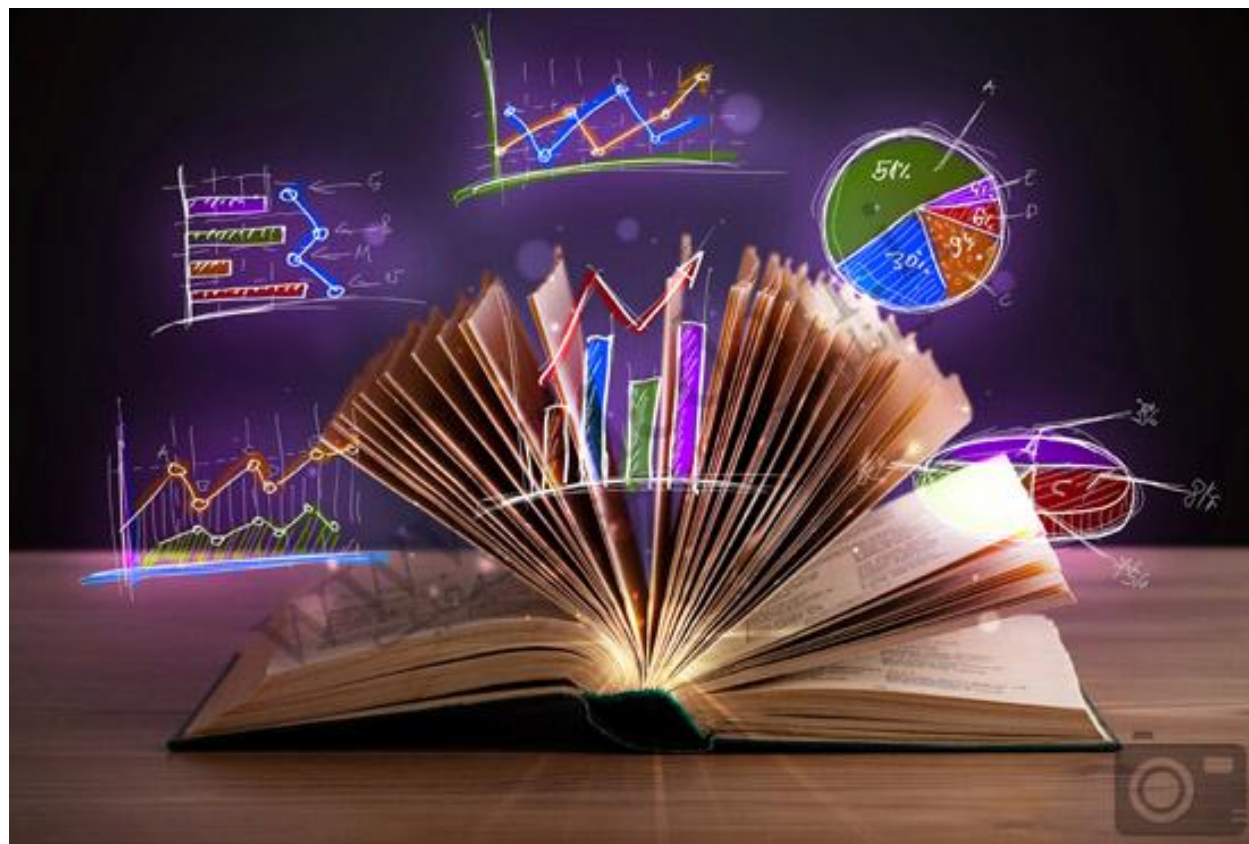


# تازه های کتابخانه در زمستان 1393



تهیه کنندگان : ساره کشاورزی

آزاده علایی طالقانی

*دفتر روابط عمومی و ارتباطات بین الملل*

## لیست کتب فارسی

رده دیوبی	عنوان	ردیف
۳۳۰،/۹۵۵،۵۸۱	اولویت بندی سرمایه گذاری در صنایع کارخانه ای ایران	۱
۶۵۸،/۸۴۸،۱۴۶۹	مدیریت صادرات (تئوری - کاربردی)	۲
۳۳۸،/۴،۱۴۹۳	صادرات موفقیت آمیز خدمات (کتاب راهنما برای شرکتهای اتحادیه ها و دولتها)	۳
م ۳۸۲،/۷۰۱۴،۴۸۶	اصطلاحات بین المللی گمرکی	۴
۶۹۰،/۹۴۶	مبانی فیزیک ساختمان	۵
۶۵۸،/۴۰۸۳،۹۸۳	کسب و کار سبز	۶
۶۵۸،/۷۲،۱۳	مدیریت واردات کالا	۷
م ۶۲۹،/۲۵،۸۳۲	دایره المعارف تعرفه ای و تصویری لوازم یدکی اتومبیل	۸
۶۷۷،/۴،۵۹۲	اصول و فناوری تولید نانو الیاف و سازه های نانولیفی	۹
۶۵۸،/۸۴،۵۹	اقتصاد تجارت الکترونیکی	۱۰
۶۶۷،/۳۸،۳۳۴	تکنیک های چاپ در شیمی نساجی	۱۱
۶۵۹،/۲،۶۷۹	روابط عمومی و تشریفات	۱۲
۶۷۷،/۰۲۸۵۲،۴۳۲	اصول ریسندگی اصطکاک	۱۳
۳۸۲،/۰۳،۸۳۲	فرهنگ جامع امور گمرکی ( دایره المعارف گمرک) انگلیسی به فارسی مورد استفاده دانشجویان امور گمرکی، موسسات آموزشی و پژوهشی ...	۱۴
۰۲۵،/۱۷۳۲،۲۲۲	مدیریت نشریه های ادواری: جنبه های نظری و کاربردی در گزینش، فراهم آوری، سازماندهی و ارائه خدمات ادواری (چاپی و الکترونیکی)	۱۵
۰۲۵،/۳،۵۹۷۹	ابرداده برای مدیریت و بازاریابی اطلاعات	۱۶
۰۲۵،/۳،۱۴۷۸	استانداردهای ابر داده ای	۱۷
۳۷۲،/۴،۱۳۶	مطالعه در عصر دیجیتال: از اندیشه های کنتون اوهاراتا تا ایمینگ لیو	۱۸
۶۷۱،/۰۲۲۱،۴۴۸	مرجع کامل نقشه کشی صنعتی	۱۹
۶۲۱،/۸۶۲،۱۲۵	جرثقیلها، لیفتراکها، کانوایرها، قرقره ها و انبارش: مثال، انتخاب و محاسبات تجهیزات انتقال	۲۰
۰۰۵،/۸،۶۴۲	آشنایی با مضای الکترونیکی	۲۱

## لیست کتب لاتین

DEWEY Class	Book No	Title	ردیف
E-Book	11319	A Critical Appraisal of Germany's Thermal Retrofit Policy - Turning Down the Heat (Green Ener	
E-Book	11320	Green Biomass Pretreatment for Biofuels Production (SpringerBriefs in Green Chemistry for Sus	
E-Book	11321	Produced Water Treatment Field Manual	
E-Book	11322	Renewable Energy	
E-Book	11323	Advances in Natural Gas Technology	
E-Book	11324	Petroleum Accounting: Principles, Procedures, & Issues	
E-Book	11325	Nuclear Fuel Cycle Science and Engineering	
E-Book	11326	A Petroleum Geologist's Guide to Seismic Reflection	
E-Book	11327	Coal Science and Engineering	
E-Book	11328	Syngas from Waste - Emerging Technologies (Green Energy and Technology	
E-Book	11329	Gas Hydrates - Immense Energy Potential and Environmental Challenges (Green Energy and Techno	
E-Book	11330	General guidelines for corrosion testing of materials for marine applications (EFC 3	
E-Book	11331	Concentrating Solar Power Technology - Principles, Developments and Applications	
E-Book	11332	An Introduction to Petroleum Technology, Economics, and Politics	
E-Book	11333	Carbon Democracy - Political Power in the Age of Oil	
E-Book	11334	Working Party Report on the Life Cycle Costing of Corrosion in the Oil and Gas Industry	
E-Book	11335	Marine Corrosion of Stainless Steel	
E-Book	11336	Numerical Simulation of Gas Pipeline Networks - Theory, computational implementation, and ind	
E-Book	11337	Advances in Wind Power	
E-Book	11338	Airborne Wind Energy (Green Energy and Technology	
E-Book	11339	Alternative Energy	
E-Book	11340	Solar Electricity Basics - A Green Energy Guide	
E-Book	11341	Algae for Biofuels and Energy (Developments in Applied Phycology	
E-Book	11342	Solar Photovoltaic Energy (let Renewable Energy	
E-Book	11343	Algal Biorefineries, Volume 1 - Cultivation of Cells and Products	
E-Book	11344	Actual Energy Consumption in Dwellings - The Effect of Energy Performance Regulations and Occ	
E-Book	11345	Energy and Climate Change - Creating a Sustainable Future	
E-Book	11346	A Systems Description of Flow Through Porous Media (Springer Earth Sciences	
E-Book	11347	Policies for Improving Energy Efficiency in the European Housing Stock - Volume 9 Sustainable	

E-Book	11348	Economic and Agricultural Impacts of Ethanol and Biodiesel Expansion - study report	
E-Book	11349	Alternative Fuel	
E-Book	11350	Multi Criteria Analysis in the Renewable Energy Industry	
E-Book	11351	Advances in Biodiesel Production - Processes and Technologies	
E-Book	11352	Energy Economics and Financial Markets	
E-Book	11353	Energy Efficiency Governance - The Case of White Certificate Instruments for Energy Efficiency	
E-Book	11354	Energy Harvesting Autonomous Sensor Systems - Design, Analysis, and Practical Implementation	
E-Book	11355	Offshore Engineering - An Introduction, 2nd Edition	
E-Book	11356	Offshore Wind Turbines - Reliability, Availability and Maintenance (1st Edition)	
E-Book	11357	Oil and Gas - A Practical Handbook	
E-Book	11358	Energy Policy Modeling in the 21st Century (Understanding Complex Systems)	
E-Book	11359	Biogas Energy (SpringerBriefs in Environmental Science)	
E-Book	11360	Energy Systems of Complex Buildings (Green Energy and Technology)	
E-Book	11361	Hydrocarbons in Contractual Belts	
E-Book	11362	Energy Technology 2013 - Carbon Dioxide Management and Other Technologies	
E-Book	11363	Green Energy - Basic Concepts and Fundamentals (Progress in Green Energy)	
E-Book	11364	Modern Fracturing - Enhancing Natural Gas Production-Hlideo Economides Martin	
E-Book	11365	Drilling Down - The Gulf Oil Debacle and Our Energy Dilemma	
E-Book	11366	Building Corporate IQ - Moving the Energy Business from Smart to Genius .Executive Guide to Practice	
E-Book	11367	Control of Solar Energy Systems (Advances in Industrial Control)	
E-Book	11368	Enhanced Oil Recovery Field Case Studies	
E-Book	11369	The Petroleum System - From Source to Trap	
E-Book	11370	Characterization of an Upper Permian Tight Gas Reservoir - A Multidisciplinary, Multiscale Approach	
E-Book	11371	Electrical Drives for Direct Drive Renewable Energy Systems	
E-Book	11372	Biofuels from Algae	
E-Book	11373	Biohydrogen	
E-Book	11374	Advances in Energy Research, Volume 4	
E-Book	11375	Clean Energy for Better Environment	
E-Book	11376	Clean Energy Systems and Experiences	
E-Book	11377	Analysis of Petroleum for Trace Metal	
E-Book	11378	Energy Management	
E-Book	11379	Life Cycle Assessment of Renewable Energy Sources	
E-Book	11380	Analytical Chemistry of Liquid Fuel Sources - Tar Sands Oil Shale, and Petroleum	

E-Book	11381	Modeling of Processes and Reactors for Upgrading of Heavy Petroleum	
E-Book	11382	Feasibility of Hydrogen Production Using Laser Inertial Fusion as The Primary Energy Source	
E-Book	11383	Crude Oil Emulsions- Composition Stability and Characterization	
E-Book	11384	Oil, Dollars, Debt, and Crises - The Global Curse of Black Gold	
E-Book	11385	Crude Oil Exploration in the World	
E-Book	11386	Natural Gas	
E-Book	11387	Campbell's Atlas of Oil and Gas Depletion	
E-Book	11388	Advanced Energy Saving and its Applications in Industry	
E-Book	11389	Photoelectrochemical Hydrogen Production	
E-Book	11390	The Power Makers' Challenge - And the Need for Fission Energy (Green Energy and Technology	
E-Book	11391	The Power of Design - Product Innovation in Sustainable Energy Technologies	
E-Book	11392	Methane Recovery from Animal Manures The Current Opportunities Casebook	
E-Book	11393	Global Trends In Sustainable Energy Investment 2007	
E-Book	11394	Enhanced Oil Recovery (Institut Francais Du Petrole Publications	
E-Book	11395	Paths to Sustainable Energy	
E-Book	11396	Essentials of Water Systems Design in the Oil, Gas, and Chemical Processing Industries	
E-Book	11397	Coal and Coal-Bearing Strata as Oil-Prone Source Rocks	
E-Book	11398	Stability Augmentation of a Grid-connected Wind Farm (Green Energy and Technology	
E-Book	11399	Asphaltenes - Chemical Transformation during Hydroprocessing of Heavy Oils	
E-Book	11400	CO <sub>2</sub> - A Valuable Source of Carbon (Green Energy and Technology	
E-Book	11401	Advanced Water Injection for Low Permeability Reservoirs - Theory and Practice	
E-Book	11402	Stand-alone Wind Energy Systems - A Buyer's Guide	
E-Book	11403	CLEAN - CO <sub>2</sub> Large-Scale Enhanced Gas Recovery in the Altmark Natural Gas Field	
E-Book	11404	Exploration of Gas Hydrates - Geophysical Techniques	
E-Book	11405	Hydrogeodynamics of Oil and Gas Basins	
E-Book	11406	Cleaner Combustion - Developing Detailed Chemical Kinetic Models	
E-Book	11407	Solar Power	
E-Book	11408	Biodiesel Science and Technology - From Soil to Oil (Woodhead Publishing Series in Energy	
E-Book	11409	Advances in Bioethanol	
E-Book	11410	Advances in Biofuels	
E-Book	11411	Microseismic Monitoring and Geomechanical Modelling of CO <sub>2</sub> Storage in Subsurface Reservoirs	
E-Book	11412	Back-Pressure Data on Natural-Gas Wells and Their Application to Production Practices	

E-Book	11413	Edison to Enron - Energy Markets and Political Strategies (Political Capitalism)	
E-Book	11414	Energy Conservation	
E-Book	11415	Climate-Smart Technologies - Integrating Renewable Energy and Energy Efficiency in Mitigation	
E-Book	11416	Energy Efficiency - A Bridge to Low Carbon Economy	
E-Book	11417	Energy Efficiency - The Innovative Ways for Smart Energy, the Future Towards Modern Utilities	
E-Book	11418	Exergy - Production, Cost and Renewability (Green Energy and Technology)	
E-Book	11419	Energy Efficiency in Communications and Networks	
E-Book	11420	Energy Efficiency	
E-Book	11421	Energy Management Systems	
E-Book	11422	Energy Technology and Management	
E-Book	11423	Energy Transmission and Grid Integration of AC Offshore Wind Farms	
E-Book	11424	Nuclear Energy Development in Asia - Problems and Prospects (Energy, Climate and the Environm)	
E-Book	11425	Advances in Energy Harvesting Methods	
E-Book	11426	Closed Power Cycles - Thermodynamic Fundamentals and Applications	
E-Book	11427	Closing the Gap - GEF Experiences in Global Energy Efficiency	
E-Book	11428	Handbook of MTBE and Other Gasoline Oxygenates (Chemical Industries)	
E-Book	11429	Fossil Fuel and the Environment	
E-Book	11430	Energy of Matter (States of Matter)	
E-Book	11431	Energies - An Illustrated Guide to the Biosphere and Civilization	
E-Book	11432	Energy at the Crossroads - Global Perspectives and Uncertainties	
E-Book	11433	IEEE Std 739-1995, IEEE Recommended Practice for Energy Management in Industrial and Commerci	
E-Book	11434	Reforming Turkish Energy Markets - Political Economy, Regulation and Competition in the Searc	
E-Book	11435	The Development, Evolution and Petroleum Geology of the Wessex Basin	
E-Book	11436	Energy Management in Business - The Manager's Guide to Maximising and Sustaining Energy Reduc	
E-Book	11437	From Turbine to Wind Farms - Technical Requirements and Spin-Off Products	
E-Book	11438	Natural Gas Hydrates - Experimental Techniques and Their Applications	
E-Book	11439	Coal-Fired Power Generation Handbook	
E-Book	11440	Energy Storage - Technologies and Applications	
E-Book	11441	Fossil Energy - Selected Entries from the Encyclopedia of Sustainability Science and Technolo	
E-Book	11442	Fundamental and Advanced Topics in Wind Power	
E-Book	11443	Sustainable Energy Pricing - Nature, Sustainable Engineering, and the Science of Energy Prici	
E-Book	11444	Nearly Zero Energy Building Refurbishment - A Multidisciplinary Approach	

E-Book	11445	Toward a Common European Union Energy Policy - Problems, Progress, and Prospects	
E-Book	11446	Gravity and Magnetic Exploration - Principles, Practices, and Applications	
E-Book	11447	Crude World - The Violent Twilight of Oil	
E-Book	11448	The Energy Imperative - 100 Percent Renewable Now	
E-Book	11449	Economics And Energy	
E-Book	11450	Biofuel Crops - Production, Physiology and Genetics	
E-Book	11451	Charting the Future of Methane Hydrate Research in the United States	
E-Book	11452	Complementarity Modeling in Energy Markets	
E-Book	11453	Energy Management in Buildings Using Photovoltaics	
E-Book	11454	Nanoenergy - Nanotechnology Applied for Energy Production (Green Energy and Technology	
E-Book	11455	Modern developments in structural interpretation, validation and modelling	
E-Book	11456	Solar Energy-Radu D Rugescu	
E-Book	11457	Switchgrass - A Valuable Biomass Crop for Energy (Green Energy and Technology	
E-Book	11458	Hydrogen Energy - Challenges and Perspectives	
E-Book	11459	Energy in the 21st Century	
E-Book	11460	Clean Electricity from Photovoltaics (Series on Photoconversion of Solar Energy, Volume 1	
E-Book	11461	Troubleshooting Natural Gas Processing: Wellhead to Transmission	
E-Book	11462	Clean Energy Nation - Freeing America from the Tyranny of Fossil Fuels	
E-Book	11463	Natural Gas Hydrate - Arctic Ocean Deepwater Resource Potential	
E-Book	11464	Nearly Zero Energy Buildings and Proliferation of Microorganisms	
E-Book	11465	Climate Change and the Oil Industry - Common Problems, Different Strategies	
E-Book	11466	Problems of Multiphase Fluid Filtration	
E-Book	11467	Origin and Refining of Petroleum (Advances in Chemistry vol.103	
E-Book	11468	Introduction to Enhanced Oil Recovery (EOR) Processes and Bioremediation of Oil-Contaminated	
E-Book	11469	Encyclopedia of Energy Research and Policy (2 Volumes in one ebook	
E-Book	11470	Electrochemical Water Processing	
E-Book	11471	Coal Information 2009-International Energy Agency	
E-Book	11472	Coal Information: 2010 with 2009 data	
E-Book	11473	Introduction to Well Testing	
E-Book	11474	Renewable and Alternative Energy (Energy - Past, Present, and Future	
E-Book	11475	Renewables Information 2010-Organisation for Economic Co-Operation and Development	
E-Book	11476	Renewables Information 2011 (IEA Statistics	
E-Book	11477	Biolubricants - Science and Technology (Woodhead Publishing Series in Energy	
E-Book	11478	Fundamentals of Formation Evaluation (Oil & Gas Consultants	
E-Book	11479	Oil Transport Management (Shipping and Transport Logistics	

E-Book	11480	Energy Balances of Non-OECD Countries 2011 - Based on 2008-2009 Data-Organisation for Economic	
E-Book	11481	Energy Balances of OECD Countries 2011 - Based on 2008-2009 Data-Organisation for Economic Co	
E-Book	11482	Energy Demand and Climate Change-Franklin Hadley Cocks	
E-Book	11483	The Oil Age Is Over - What to Expect as the World Runs Out of Cheap Oil, 2005-2050	
E-Book	11484	Energy Development and Wildlife Conservation in Western North America	
E-Book	11485	Geothermal Engineering - Fundamentals and Applications	
E-Book	11486	Petrochemical Processes, Volume 1 - Syntheses-Gas Derivatives and Major Hydrocarbons	
E-Book	11487	Energy Efficiency and Renewable Energy Through Nanotechnology	
E-Book	11488	Petrochemical Processes, Volume 2 - Major Oxygenated, Chlorinated, and Nitrated Derivatives	
E-Book	11489	Energy in Nature and Society - General Energetics of Complex Systems	
E-Book	11490	Energy Policies of lea Countries - Greece 2011-Organization for Economic Cooperation	
E-Book	11491	Modelling Distributed Energy Resources in Energy Service Networks	
E-Book	11492	Energy Statistics of Non-OECD Countries 2011 - Based on 2008-2009 Data-Organisation for Econo	
E-Book	11493	Physical Properties Of Hydrocarbons , Volume 2	
E-Book	11494	Energy Statistics of OECD Countries 2011 - Based on 2008-2009 Data-Organisation for Economic	
E-Book	11495	Physical Properties Of Hydrocarbons, Volume 1	
E-Book	11496	Refinery Engineering - Integrated Process Modeling and Optimization	
E-Book	11497	Energy Security and Global Politics - The Militarization of Resource Management	
E-Book	11498	Modeling and Optimization of Renewable Energy Systems	
E-Book	11499	Green Energy Audit of Buildings - A guide for a sustainable energy audit of buildings	
E-Book	11500	Modern Energy Markets - Real-Time Pricing, Renewable Resources and Efficient Distribution	
E-Book	11501	Green Low-Carbon Development in China	
E-Book	11502	Compound Energy Systems - Optimal Operation Methods (RSC Energy Series	
E-Book	11503	Organic Solar Cells - Materials and Device Physics (Green Energy and Technology	
E-Book	11504	Recent Advances in Intrusion Detection - 12th International Symposium, RAID 2009	
E-Book	11505	Natural Gas - Extraction to End Use	
E-Book	11506	Wind Energy in Colombia - A Framework for Market Entry (World Bank Studies	
E-Book	11507	Vault Career Guide to the Energy Industry	



E-Book	11508	Our Land, Our Oil - Natural Resources, Local Nationalism, and Violent Secession	
E-Book	11509	New Technologies in the Oil and Gas Industry	
E-Book	11510	Renewable Energy - Market And Policy Trends In Iea Countries	
E-Book	11511	Renewable Energy Commercialization	
E-Book	11512	Renewable Energy RD & D Priorities - Insights from IEA Technology Programmes	
E-Book	11513	Renewables Information 2009=Organisation for Economic Co-Operation and Development	
E-Book	11514	History and Overview of Solar Heat Technologies (Solar Heat Technologies	
E-Book	11515	Petrochemicals	
E-Book	11516	Reservoir Engineering of Fractured Reservoirs Fundamental and Practical Aspects	
E-Book	11517	Financial Aspects in Energy - A European Perspective	
E-Book	11518	Photovoltaic Sources - Modeling and Emulation (Green Energy and Technology	
E-Book	11519	CIBO - Energy Efficiency Handbook	
E-Book	11520	Organisational Transformation in the Russian Oil Industry (New Horizons in International Busi	
E-Book	11521	Drilling Data Handbook	
E-Book	11522	Resilient Energy Systems - Renewables - Wind, Solar, Hydro	
E-Book	11523	Progress in Biomass and Bioenergy Production	
E-Book	11524	Progress in Petroleum Technology (Advances in Chemistry vol.5	
E-Book	11525	Handbook Of Financing Energy Projects	
E-Book	11526	Harnessing Solar Heat (Lecture Notes in Energy	
E-Book	11527	Wind Power and Power Politics - International Perspectives	
E-Book	11528	Wind Power Plants - Fundamentals, Design, Construction and Operation	
E-Book	11529	Cultures of Energy - Power, Practices, Technologies	
E-Book	11530	Fossil Fuels (Energy - Past, Present, and Future	
E-Book	11531	Heavy and Extra-heavy Oil Upgrading Technologies	
E-Book	11532	Heavy Oil Production Processes	
E-Book	11533	Arctic Pipeline Planning - Design, Construction, and Equipment	
E-Book	11534	Power from Pellets - Technology and Applications	
E-Book	11535	Renewable Energy - Trends and Applications	
E-Book	11536	Powering Planet Earth - Energy Solutions for the Future	
E-Book	11537	Effectively Managing Natural Gas Costs	
E-Book	11538	Oil, Gas, Coal and Electricity - Quarterly Statistics	
E-Book	11539	The Hidden Cleantech Revolution - Five Priorities for Securing America's Energy Future Withou	
E-Book	11540	Deep Drilling Basic Research, Volume 4 - System Descriptions	
E-Book	11541	Rising Power Shrinking Planet - How Scarce Energy is Creating a New World	

E-Book	11542	Pretreatment Techniques for Biofuels and Biorefineries	
E-Book	11543	Solar Lighting	
E-Book	11544	Decision Making Algorithms for Hydro-Power Plant Location	
E-Book	11545	The Biogas Handbook - Science, production and applications	
E-Book	11546	Assessment and Simulation Tools for Sustainable Energy Systems - Theory and Applications	
E-Book	11547	Refining Petroleum for Chemicals (Advances in Chemistry vol.97	
E-Book	11548	Hydropower - Practice and Application	
E-Book	11549	Tracking Clean Energy Progress - Energy Technology Perspectives 2012 excerpt as IEA input to	
E-Book	11550	Refining of Synthetic Crudes, 1977 (Advances in chemistry series	
E-Book	11551	Energy Demand and Climate Change - Issues and Resolutions	
E-Book	11552	Energy Security - Europe's New Foreign Policy Challenge	
E-Book	11553	Emulsions - Fundamentals and Applications in the Petroleum Industry	
E-Book	11554	Solar Radiation	
E-Book	11555	Tomorrow's Energy - Hydrogen, Fuel Cells, and the Prospects for a Cleaner Planet	
E-Book	11556	Energy and the Environment	
E-Book	11557	Energy, Sustainability and the Environment - Technology, Incentives, Behavior	
E-Book	11558	International Bioenergy Trade - History, Status & Outlook on Securing Sustainable Bioenergy S	
E-Book	11559	Renewable Energy Systems - Advanced Conversion Technologies and Applications	
E-Book	11560	Renewable Hydrogen Technologies - Production, Purification, Storage, Applications and Safety	
E-Book	11561	Flow-Induced Pulsation and Vibration in Hydroelectric Machinery - Engineer's Guidebook for PI	
E-Book	11562	Introduction to Energy Physics	
E-Book	11563	Sustainable Energy Harvesting Technologies - Past, Present and Future	
E-Book	11564	Sustainable Growth and Applications in Renewable Energy Sources	

## لیست مقالات لاتین

Doc.No	Title of periodical	Title of Article	ردی
A3261		Ag-Organic Layered Samples for Optoelectronic Applications Interface Width and Roughening Using a 500 eV Cs+ Probe in Dynamic Secondary Ion Mass Spectromet	
A3263	Analytical Chemistry	Antifouling Surfaces for Proteins Labeled with Dye-Doped Silica Nanoparticles	
A3266	Analytical Chemistry	Bovine Serum Albumin-Based Probe Carrier Platform for Electrochemical DNA Biosensing	
A3269	Analytical Chemistry	Comparative Analysis of Sample Preparation Methods To Handle the Complexity of the Blood Fluid Metabolome When Less Is More	
A3270	Analytical Chemistry	Cyclopentane-Peptide Nucleic Acids for Qualitative, Quantitative, and Repetitive Detection of Nucleic Acids	
A3271	Analytical Chemistry	Detection of VR-2332 Strain of Porcine Reproductive and Respiratory Syndrome Virus Type II Using an Aptamer-Based Sandwich-Type Assay	
A3272	Analytical Chemistry	Determination of Benzotriazoles and Benzothiazoles in Human Urine by Liquid Chromatography-Tandem Mass Spectrometry	
A3273	Analytical Chemistry	Determination of Oxidoreductase Activity Using a High-Throughput Microplate Respiratory Measurement	
A3274	Analytical Chemistry	Determination of Trace Elements in Fluoropolymers after Microwave-Induced Combustion	
A3275	Analytical Chemistry	Direct Detection of Inorganic Nitrate Salts by Ambient Pressure Helium-Plasma Ionization Mass Spectrometry	
A3276	Analytical Chemistry	Direct Fluorescence Detection of RNA on Microarrays by SurfaceInitiated Enzymatic Polymerization	
A3277	Analytical Chemistry	Direct Real-Time Detection of RDX Vapors Under Ambient Conditions	
A3279	Analytical Chemistry	Dopant-Assisted Negative Photoionization Ion Mobility Spectrometry for Sensitive Detection of Explosives	
A3280	Analytical Chemistry	Electrothermal Supercharging in Mass Spectrometry and Tandem Mass Spectrometry of Native Proteins	
A3282	Analytical Chemistry	Enhancing the FingerprintPhase Angle Lock-in Detection Analytical Selectivity of Voltammetric Technique by the Combination of Harmonic Analysis and	
A3283	Analytical Chemistry	Experimental Approach to Controllably Vary Protein Oxidation While Minimizing Electrode Adsorption for Boron-Doped Diamond Electrochemical Surface Mapping Applications	
A3284	Analytical Chemistry	Fe3O4 Magnetic Nanoparticle Peroxidase Mimetic-Based Colorimetric Assay for the Rapid Detection of Organophosphorus Pesticide and Nerve Agent	

A3285	Analytical Chemistry	Gas Chromatography Interfaced with Atmospheric Pressure Ionization-Quadrupole Time-of-Flight-Mass Spectrometry by LowTemperature Plasma Ionization	
A3287	Analytical Chemistry	Highly Selective Electrochemical Strategy for Monitoring of Cerebral Cu <sup>2+</sup> Based on a Carbon Dot-TPEA Hybridized	
A3289	Analytical Chemistry	Ion Mobility Spectrometry Coupled to Laser-Induced Fluorescence	
A3290	Analytical Chemistry	Label-Free Liquid Crystal Biosensor Based on Specific oligonucleotide Probes for Heavy Metal Ions	
A3291	Analytical Chemistry	Micropatterned Surfaces Functionalized with Electroactive Peptides for Detecting Protease Release from Cells	
A3292	Analytical Chemistry	Monitoring Diurnal Changes in Exhaled Human Breath	
A3323		A General Way to Assay Protein by Coupling Peptide with Signal Reporter via Supermolecule Formation	
A3324		A View from Above Cloud Plots to Visualize Global Metabolomic Data	
A3325		Advances in Fluorescence and Bioluminescence Imaging	
A3326		Affinity Improvement of a VEGF Aptamer by in Silico Maturation for a Sensitive VEGF-Detection System	
A3328		Atomic Spectroscopy	
A3331		Characterization of Therapeutic Antibodies and Related Products	
A3334		Chemical Analysis of Single Cells	
A3335		Chemometrics	
A3336		Correcting the Effect of Refraction and Dispersion of Light in FT-IR Spectroscopic Imaging in Transmission through Thick Infrared Windows	
A3337		Correction to Electrokinetic Analysis to Reveal Composition and Structure of Biohybrid Hydrogels	
A3338		Current Trends in Microbial Diagnostics Based on Mass Spectrometry	
A3341		Demonstration of a Mid-Infrared Cavity Enhanced Absorption Spectrometer for Breath Acetone Detection	
A3344		Development of a Fast and Sensitive Glucose Biosensor Using Iridium Complex-Doped Electrospun Optical Fibrous Membrane	
A3345		Direct Analysis of Textile Fabrics and Dyes Using Infrared Matrix-Assisted Laser Desorption Electrospray Ionization Mass Spectrometry	
A3346		Disaccharide Analysis of Glycosaminoglycans Using Hydrophilic Interaction Chromatography and Mass Spectrometry	
A3347		Distance-Dependent Electron Transfer at Passivated Electrodes Decorated by Gold Nanoparticles	
A3350		Dried Blood Spots Analysis and Applications	

A3351		Electrochemical Study on the Effects of Epigenetic Cytosine Methylation on Anti-Benzo[a]pyrene Diol Epoxide Damage at TP53 Oligomers	
A3352		Electrochemistry and Current Control in Surface Films Based on Silica-Azure Redox Nanoparticles, Carbon Nanotubes, Enzymes, and Polyelectrolytes	
A3354		Fabrication, Optimization, and Use of Graphene Field Effect Sensors	
A3356		Formation of a Stable Mimic of Ambient Particulate Matter Containing Viable Infectious Respiratory Syncytial Virus and Its Dry-Deposition Directly onto Cell Cultures	
A3357		Fundamentals for LC Miniaturization	
A3359		Imaging Nicotine in Rat Brain Tissue by Use of Nanospray Desorption Electrospray Ionization Mass Spectrometry	
A3360		In Vivo Noninvasive Monitoring of Glucose Concentration in Human Epidermis by Mid-Infrared Pulsed Photoacoustic Spectroscopy	
A3364		Laser-Induced Breakdown Spectroscopy	
A3365		Low-Temperature Microchip Nonaqueous Capillary Electrophoresis of Aliphatic Primary Amines Applications to Titan Chemistry	
A3366		Magnetic Immunoassay for Detection of Staphylococcal Toxins in Complex Media	
A3367		Mass Spectrometric Detection of Neuropeptides Using Affinity-Enhanced Microdialysis with Antibody-Coated Magnetic Nanoparticles	
A3368		Mass Spectrometry Compatible Surfactant for Optimized In-Gel Protein Digestion	
A3369		Mass-Linked Immuno-Selective Assays in Targeted Proteomics	
A3371		Micro Total Analysis Systems Fundamental Advances and Applications in the Laboratory, Clinic, and Field	
A3372		Miniature Enzyme-Based Electrodes for Detection of Hydrogen Peroxide Release from Alcohol-Injured Hepatocytes	
A3373		Modeling Methylene Blue Aggregation in Acidic Solution to the Limits of Factor Analysis	
A3374		Multidimensional Gas Chromatography Fundamental Advances and New Applications	
A3375		Multinozzle Emitter Array Chips for Small-Volume Proteomics	
A3376		Multistep pH-Peak-Focusing Countercurrent Chromatography with a Polyethylene Glycol-Na <sub>2</sub> SO <sub>4</sub> Aqueous Two Phase System for Separation and Enrichment of Rare Earth Elements	

A3377		Naked Eye Detection of Lung Cancer Associated miRNA by Paper Based Biosensing Platform	
A3378		Nanocluster Isotope Distributions Measured by Electrospray Time-of-Flight Mass Spectrometry	
A3379		Nanopeptamers for the Development of Small-Analyte Lateral Flow Tests with a Positive Readout	
A3381		Nanoscale Electrochemistry	
A3382		Novel Ethyl-Derivatization Approach for the Determination of Fluoride by Headspace Gas Chromatography-Mass Spectrometry	
A3385		Optimization of Parameters for the Quantitative Surface-Enhanced Raman Scattering Detection of Mephedrone Using a Fractional Factorial Design and a Portable Raman Spectrometer	
A3386		Pointed Carbon Fiber Ultramicroelectrodes A New Probe Option for Electrochemical Scanning Tunneling Microscopy	
A3387		Preparation of Narrow Dispersity Gold Nanorods by Asymmetrical Flow Field-Flow Fractionation and Investigation of Surface Plasmon Resonance	
A3390		Quantifying the Effects of Not Stirring between Repetitive Chronoamperometric Experiments	
A3391		Quantitative MALDI Tandem Mass Spectrometric Imaging of Cocaine from Brain Tissue with a Deuterated Internal Standard	
A3392		Recent Developments in High-Performance Liquid Chromatography Stationary Phases	
A3394		Secondary Ion Mass Spectrometry Characterizing Complex Samples in Two and Three Dimensions	
A3396		Simultaneous Imaging of an Enantiomer Pair by Electron Paramagnetic Resonance Using Isotopic Nitrogen Labeling	
A3397		Single Domain Antibodies for the Detection of Ricin Using Silicon Photonic Microring Resonator Arrays	
A3399		Strategy for Sensor Based on Fluorescence Emission Red Shift of Conjugated Polymers Applications in pH Response and Enzyme Activity Detection	
A3401		The 2013 Fundamental and Applied Reviews in Analytical Chemistry	
A3402		Turn-On Fluorescent Sensor for Hg <sup>2+</sup> Based on Single-Stranded DNA Functionalized MnCdSZnS Quantum Dots and Gold Nanoparticles by Time-Gated Mode	
A3404		UniQua A Universal Signal Processor for MS-Based Qualitative and Quantitative Proteomics Applications	
A3408	Analytical Chemistry	An Optimized Calibration Procedure for Determining Elemental Ratios Using Laser-Induced Breakdown Spectroscopy	

A3409	Analytical Chemistry	Antipyrine Based Arsenate Selective Fluorescent Probe for Living Cell Imaging	
A3410	Analytical Chemistry	Appropriate Solvent NaVO <sub>3</sub> Crystal Using Chemical Method for Composition Analysis of LiNbO <sub>3</sub>	
A3411	Analytical Chemistry	Argon Direct Analysis in Real Time Mass Spectrometry in Conjunction with Makeup Solvents A Method for Analysis of Labile Compounds	
A3412	Analytical Chemistry	Automated Circular Dichroism Spectroscopy for Medium Throughput Analysis of Protein Conformation	
A3413	Analytical Chemistry	Beyond the Great Wall Gold of the Silk Roads and the First Empire of the Steppes	
A3416	Analytical Chemistry	Characterization of the Mechanodynamic Response of Cardiomyocytes with Atomic Force Microscopy	
A3417	Analytical Chemistry	Characterization of Triacylglycerol Enantiomers Using Chiral HPLC APCI-MS and Synthesis of Enantiomeric Triacylglycerols	
A3419	Analytical Chemistry	Chromatic Aberration Short-Wave Infrared Spectroscopy ANanoparticle Spectra without a Spectrometer	
A3421	Analytical Chemistry	Contactless Surface Conductivity Mapping of Graphene Oxide Thin Films Deposited on Glass with Scanning Electrochemical Microscopy	
A3423	Analytical Chemistry	Desorption Electrospray Ionization Imaging Mass Spectrometry as a Tool for Investigating Model Prebiotic Reactions on Mineral Surfaces	
A3424	Analytical Chemistry	Detection of Glutathione in Vitro and in Cells by the Controlled Self-Assembly of Nanorings	
A3425	Analytical Chemistry	Determination of Percent Hemoglobin A1c Using a Potentiometric Method	
A3428	Analytical Chemistry	Digital Polymerase Chain Reaction Measured pUC19 Marker as Calibrant for HPLC Measurement of DNA Quantity	
A3429	Analytical Chemistry	Dipolar Direct Current Driven Collision-Induced Dissociation in a Digital Ceramic-Based Rectilinear Ion Trap Mass Spectrometer	
A3431	Analytical Chemistry	Direct Approach for Qualitative and Quantitative Characterization of Glycoproteins Using Tandem Mass Tags and an LTQ Orbitrap XL Electron Transfer Dissociation Hybrid Mass Spectrometer	
A3432	Analytical Chemistry	Direct Detection of Bacterial Genomic DNA at Sub-Femtomolar Concentrations Using Single Molecule Arrays	
A3433	Analytical Chemistry	Directly Functionalizable Surface Platform for Protein Arrays in Undiluted Human Blood Plasma	
A3438	Analytical Chemistry	Flow-Through Comb Electroporation Device for Delivery of Macromolecules	
A3439	Analytical Chemistry	Fuel Cell Virus Sensor Using Virus Capture within Antibody-Coated Nanochannels	

A3441	Analytical Chemistry	Genetically Encoded Protease Substrate Based on Lanthanide Binding Peptide for Time-Gated Fluorescence Detection	
A3442	Analytical Chemistry	Glutathione-Protected Silver Nanoclusters as Cysteine-Selective Fluorometric and Colorimetric Probe	
A3444	Analytical Chemistry	High-Resolution Length Fractionation of Surfactant-Dispersed Carbon Nanotubes	
A3446	Analytical Chemistry	Hyperspectral Visualization of Mass Spectrometry Imaging Data	
A3447	Analytical Chemistry	Illuminating the Lateral Organization of Cell-Surface CD24 and CD44 through Plasmon Coupling between Au Nanoparticle Immunolabels	
A3449	Analytical Chemistry	Impedimetric Detection of Histamine in Bowel Fluids Using Synthetic Receptors with pH-Optimized Binding Characteristics	
A3450	Analytical Chemistry	Inaccuracies of Nitric Oxide Measurement Methods in Biological Media	
A3451	Analytical Chemistry	Increased Electrocatalyzed Performance through Dendrimer Encapsulated Gold Nanoparticles and Carbon Nanotube-Assisted Multiple Biotinylated Labels Highly Sensitive Electrochemical Immunosensors	
A3453	Analytical Chemistry	Investigation of Free Fatty Acid Associated Recombinant Membrane Receptor Protein Expression in HEK293 Cells Using Raman Spectroscopy, Calcium Imaging, and Atomic Force Microscopy	
A3454	Analytical Chemistry	Investigation of Gas Exchange Processes in Peat Bog Ecosystems by Means of Innovative Raman Gas Spectroscopy	
A3455	Analytical Chemistry	Investigation of the Human Brain Metabolome to Identify Potential Markers for Early Diagnosis and Therapeutic Targets of Alzheimer	
A3457	Analytical Chemistry	Iterative Thresholding Algorithm for Multiexponential Decay Applied to PGSE NMR Data	
A3458	Analytical Chemistry	Laboratory Analysis of Stardust	
A3459	Analytical Chemistry	Limitations of Surface Enhanced Raman Scattering in Sensing DNA Hybridization Demonstrated by Label-Free DNA Oligos as Molecular Rulers of Distance-Dependent Enhancement	
A3461	Analytical Chemistry	Magnetic Nanoparticle Mediated Enhancement of Localized Surface Plasmon Resonance for Ultrasensitive Bioanalytical Assay in Human Blood Plasma	
A3462	Analytical Chemistry	Maximizing Mismatch Discrimination by Surface-Tethered Locked Nucleic Acid Probes via Ionic Tuning	
A3464	Analytical Chemistry	Meet the Analytical Chemistry Editorial Advisory Board	
A3465	Analytical Chemistry	Method for Determination of Neptunium in Large-Sized Urine Samples Using Manganese Dioxide Coprecipitation	



		and Pu242 as Yield Tracer	
A3467	Analytical Chemistry	Microcirculation System with a Dialysis Part for Bioassays Evaluating Anticancer Activity and Retention	
A3469	Analytical Chemistry	Multiple and Sequential Data Acquisition Method An Improved Method for Fragmentation and Detection of Cross-Linked Peptides on a Hybrid Linear Trap Quadrupole Orbitrap Velos Mass Spectrome.pdf	
A3470	Analytical Chemistry	Multiplex Analysis of Novel Urinary Lyso-Gb3-Related Biomarkers for Fabry Disease by Tandem Mass Spectrometry	
A3471	Analytical Chemistry	Nanoclustered Gold Honeycombs for Surface-Enhanced Raman Scattering	
A3472	Analytical Chemistry	Non-Severinghaus Potentiometric Dissolved CO Sensor with Improved Characteristics 2	
A3473	Analytical Chemistry	Novel Monoisotopic 109 AgNPET for Laser Desorption/Ionization Mass Spectrometry	
A3474	Analytical Chemistry	Optical Methods for Single Molecule Detection and Analysis	
A3475	Analytical Chemistry	Paper-Based Solid-Phase Nucleic Acid Hybridization Assay Using Immobilized Quantum Dots as Donors in Fluorescence Resonance Energy Transfer	
A3476	Analytical Chemistry	Picking up the Pieces A Generic Porous Si Biosensor for Probing the Proteolytic Products of Enzymes	
A3480	Analytical Chemistry	Ring-Oven Based Preconcentration Technique for Microanalysis Simultaneous Determination of Na, Fe, and Cu in Fuel Ethanol by Laser Induced Breakdown Spectroscopy	
A3483	Analytical Chemistry	Selective Diagnosis of Diabetes Using Pt-Functionalized WO <sub>3</sub> Hemitube Networks As a Sensing Layer of Acetone in Exhaled Breath	
A3484	Analytical Chemistry	Sensing and Imaging of Oxygen with Parts per Billion Limits of Detection and Based on the Quenching of the Delayed Fluorescence of 13C70 Fullerene in Polymer Host	
A3485	Analytical Chemistry	Sensitive and Selective Redox, Chromogenic, and Turn-On Fluorescent Probe for Pb(II) in Aqueous Environment	
A3486	Analytical Chemistry	Separation of Fatty Acid Methyl Esters by GC-Online Hydrogenation	
A3488	Analytical Chemistry	SERS Primers and Their Mode of Action for Pathogen DNA Detection	
A3490	Analytical Chemistry	Solid-Contact Ion-Selective Electrodes with Highly Selective Thioamide Derivatives of p-tert-Butylcalix[4]arene for the Determination of Lead(II) in Environmental Samples	
A3491	Analytical Chemistry	Speciation of Silver Nanoparticles and Silver(I) by Reversed-Phase Liquid Chromatography Coupled to ICPMS	
A3492	Analytical Chemistry	Spectral Multivariate Calibration without Laboratory Prepared or Determined Reference Analyte Value	

A3493	Analytical Chemistry	Spherical Nucleic Acid Enhanced FO-SPR DNA Melting for Detection of Mutations in Legionella pneumophila	
A3494	Analytical Chemistry	Stable Isotope Probing and Raman Spectroscopy for Monitoring Carbon Flow in a Food Chain and Revealing Metabolic Pathway	
A3495	Analytical Chemistry	Structural Analysis of Low Molecular Weight Heparin by Ultraperformance Size Exclusion Chromatography Time of Flight Mass Spectrometry and Capillary Zone Electrophoresis	
A3496	Analytical Chemistry	Structural Model of Lymphocyte Receptor NKR-P1C Revealed by Mass Spectrometry and Molecular Modeling	
A3497	Analytical Chemistry	Studies of pH-Dependent Self-Association of a Recombinant Form of Arylsulfatase A with Electrospray Ionization Mass Spectrometry and Size-Exclusion Chromatography	
A3499	Analytical Chemistry	Synchronized Discharge Ionization for Analysis of Volatile Organic Compounds Using a Hand-Held Ion Trap Mass Spectrometer	
A3501	Analytical Chemistry	Top Down Proteomics of Human Membrane Proteins from Enriched Mitochondrial Fractions	
A3502	Analytical Chemistry	Torsional and Lateral Resonant Modes of Cantilevers as Biosensors Alternatives to Bending Modes	
A3503	Analytical Chemistry	Toward the Development of Raman Spectroscopy as a Nonperturbative Online Monitoring Tool for Gasoline Adulteration	
A3504	Analytical Chemistry	Using Optical Anisotropy as a Quality Factor To Rapidly Characterize Structural Qualities of Large-Area Graphene Films	
A3405	Analytical Chemistry	.D Correlation Analysis Sequential Order Judgin2	
A3415	Analytical Chemistry	Chemical Mapping of Pharmaceutical Cocrystals Using Terahertz Spectroscopic Imaging	
A3418	Analytical Chemistry	Critical Examination of Gas-Phase Protein Conformation Multimer Ion Formation by Electrospray Ion Mobility-Mass Spectrometry	
A3420	Analytical Chemistry	Detection of Metabolites of Trapped Humans Using Ion Mobility Spectrometry Coupled with Gas Chromatography	
A3422	Analytical Chemistry	Development of Galvanostatic Fourier Transform Electrochemical Impedance Spectroscopy	
A3426	Analytical Chemistry	Electrochemistry in an Acoustically Levitated Drop	
A3430	Analytical Chemistry	Fabrication of Transferrin Functionalized Gold Nanoclusters Graphene Oxide Nanocomposite for Turn-On Near-Infrared Fluorescent Bioimaging of Cancer Cells and Small Animals	
A3434	Analytical Chemistry	Generation of Chemical Concentration Gradients in Mobile Droplet Arrays via Fragmentation of Long Immiscible Diluting Plugs	

A3436	Analytical Chemistry	Half Antibody Fragments Improve Biosensor Sensitivity without Loss of Selectivity	
A3437	Analytical Chemistry	High-Throughput Secretomic Analysis of Single Cells to Assess Functional Cellular Heterogeneity	
A3440	Analytical Chemistry	Immunosensors for Estradiol and Ethinylestradiol Based on New Synthetic Estrogen Derivatives Application to Wastewater Analysis	
A3445	Analytical Chemistry	Investigation of Reaction Mechanisms of Drug Degradation in the Solid State A Kinetic Study Implementing Ultrahigh-Performance Liquid Chromatography and High-Resolution Mass Spectrometry	
A3448	Analytical Chemistry	Label-Free Real-Time Detection of DNA Methylation Based on Quartz Crystal Microbalance Measurement	
A3452	Analytical Chemistry	Micropipet Tip-Based Miniaturized Electrochemical Device Combined with Ultramicroelectrode and Its Application in Immobilization-Free Enzyme Biosensor	
A3463	Analytical Chemistry	Portable Capillary Electrophoresis Instrument with Automated Injector and Contactless Conductivity Detection	
A3466	Analytical Chemistry	Quantitative Fluorescence Spectroscopy in Turbid Media A Practical Solution to the Problem of Scattering and Absorption	
A3477	Analytical Chemistry	Simultaneous Determination of 13 Fluoroquinolone and 22 Sulfonamide Residues in Milk by a Dual-Colorimetric Enzyme-Linked Immunosorbent Assay	
A3478	Analytical Chemistry	Single-Cell Lipidomics Characterizing and Imaging Lipids on the Surface of Individual <i>Aplysia californica</i> Neurons with Cluster Secondary Ion Mass Spectrometry	
A3479	Analytical Chemistry	Single-Molecule Studies of Intrinsically Disordered Proteins Using Solid-State Nanopores	
A3487	Analytical Chemistry	Wide Field-of-View On-Chip Talbot Fluorescence Microscopy for Longitudinal Cell Culture Monitoring from within the Incubator	
A3498	Analytical Chemistry	Carbon Isotope Separation and Molecular Formation in Laser-Induced Plasmas by Laser Ablation Molecular Isotopic Spectrometry	
A3506	Analytical Chemistry	Development of a Method to Quantitate Nematode Pheromone for Study of Small-Molecule Metabolism in <i>Caenorhabditis elegans</i>	
A3508	Analytical Chemistry	Direct Fluorescent Measurement of Blood Potassium with Polymeric Optical Sensors Based on Upconverting Nanomaterials	
A3510	Analytical Chemistry	Directed Molecular Evolution Reveals <i>Gaussia</i> Luciferase Variants with Enhanced Light Output Stability	
A3512	Analytical Chemistry	Dynamite Analysis by Raman Spectroscopy As a Unique Analytical Tool	

A3513	Analytical Chemistry	Electrochemical Detection of Arsenic(III) Completely Free from Noble Metal Fe <sub>3</sub> O <sub>4</sub> Microspheres-Room Temperature Ionic Liquid Composite Showing Better Performance than Gold	
A3515	Analytical Chemistry	Fast Surface Acoustic Wave-Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Cell Response from Islets of Langerhans	
A3517	Analytical Chemistry	High Sensitive Immunoassay for Multiplex Mycotoxin Detection with Photonic Crystal Microsphere Suspension Array	
A3518	Analytical Chemistry	Histology-Driven Data Mining of Lipid Signatures from Multiple Imaging Mass Spectrometry Analyses Application to Human Colorectal Cancer Liver Metastasis Biopsies	
A3519	Analytical Chemistry	Hopping Intermittent Contact-Scanning Electrochemical Microscopy (HIC-SECM) Visualizing Interfacial Reactions and Fluxes from Surfaces to Bulk Solution	
A3520	Analytical Chemistry	Hydrogen Peroxide Detection in Wet Air with a Prussian Blue Based Solid Salt Bridged Three Electrode System	
A3521	Analytical Chemistry	In Situ Formation of Metal Coordination Polymer A Strategy for Fluorescence Turn-On Assay of Acetylcholinesterase Activity and Inhibitor Screening	
A3523	Analytical Chemistry	In-Line Calibration of Raman Systems for Analysis of Gas Mixtures of Hydrogen Isotopologues with Sub-Percent Accuracy	
A3524	Analytical Chemistry	Integral Membrane Proteins and Bilayer Proteomics	
A3527	Analytical Chemistry	Lab-on-a-Disc for Simultaneous Determination of Nutrients in Water	
A3529	Analytical Chemistry	Localized in Situ Hydrogel-Mediated Protein Digestion and Extraction Technique for on-Tissue Analysis	
A3530	Analytical Chemistry	Mass and Charge Distribution Analysis in Negative Electrosprays of Large Polyethylene Glycol Chains by Ion Mobility Mass Spectrometry	
A3531	Analytical Chemistry	Matrix Precoated Targets for Direct Lipid Analysis and Imaging of Tissue	
A3534	Analytical Chemistry	Multiplexed Surrogate Analysis of Glycotransferase Activity in Whole Biospecimens	
A3535	Analytical Chemistry	Nitrogen-14 Nuclear Quadrupole Resonance Spectroscopy A Promising Analytical Methodology for Medicines Authentication and Counterfeit Antimalarial Analysis	
A3537	Analytical Chemistry	Performance of a Novel High Throughput Method for the Determination of VX in Drinking Water Samples	
A3538	Analytical Chemistry	Periplasmic Binding Protein-Based Detection of Maltose Using Liposomes A New Class of Biorecognition Elements in Competitive Assays	
A3539	Analytical Chemistry	Photoresponsive Ion Extraction/Release Systems Dynamic Ion Optodes for Calcium and Sodium Based on Photochro	

A3540	Analytical Chemistry	Pittcon Still Vibrant after More than 60 Years	
A3546	Analytical Chemistry	Reply to Comment on unable Generation and Adsorption of Energetic Compounds in the Vapor Phase at Trace Levels A Tool for Testing and Developing Sensitive and Selective Substrates for Ex	
A3548	Analytical Chemistry	Sensitive Monitoring of Volatile Chemical Warfare Agents in Air by Atmospheric Pressure Chemical Ionization Mass Spectrometry with Counter-Flow Introduction	
A3550	Analytical Chemistry	Single-Cell-Kinetics Approach to Discover Functionally Distinct Subpopulations within Phenotypically Uniform Populations of Cells	
A3552	Analytical Chemistry	Surface-Enhanced Raman Scattering-Based Sensing In Vitro Facile and Label-Free Detection of Apoptotic Cells at the Single-Cell Level	
A3553	Analytical Chemistry	Time-Resolved Luminescence Detection of Spleen Tyrosine Kinase Activity through Terbium Sensitization	
A3554	Analytical Chemistry	A New, Modular Mass Calibrant for High-Mass MALDI-MS	
A3555	Analytical Chemistry	Ambient Diode Laser Desorption Dielectric Barrier Discharge Ionization Mass Spectrometry of Nonvolatile Chemicals	
A3559	Analytical Chemistry	Analysis of the Electrolyte Convection inside the Concentration Boundary Layer during Structured Electrodeposition of Copper in High Magnetic Gradient Fields	
A3560	Analytical Chemistry	Anion-Exchange-Based Amperometric Assay for Heparin Using Polyimidazolium as Synthetic Receptor	
A3561	Analytical Chemistry	Application of GC-MSMS for the Analysis of Tobacco Alkaloids in Cigarette Filler and Various Tobacco Species	
A3564	Analytical Chemistry	Combining Chemical Labeling, Bottom-Up and Top-Down IonMobility Mass Spectrometry To Identify Metal-Binding Sites of Partially Metalated Metallothionein	
A3565	Analytical Chemistry	Combining Small-Volume Metabolomic and Transcriptomic Approaches for Assessing Brain Chemistry	
A3566	Analytical Chemistry	Diketo-Pyrrolo-Pyrrole Dyes as New Colorimetric and Fluorescent pH Indicators for Optical Carbon Dioxide Sensors	
A3569	Analytical Chemistry	High Yield Patterning of Single Cells from Extremely Small Population	
A3571	Analytical Chemistry	Highly Sensitive Ammonia Sensor with Organic Vertical Nanojunctions for Noninvasive Detection of Hepatic Injury	
A3573	Analytical Chemistry	hlyA Gene-Based Sensitive Detection of Listeria monocytogenes Using a Novel Cantilever Senso	
A3578	Analytical Chemistry	Magnetic Nanoparticle-Based Platform for Characterization of Histidine-Rich Proteins and Peptides	
A3580	Analytical Chemistry	Mass Balance Method for the SI Value Assignment of the Purity of Organic Compounds	

A3582	Analytical Chemistry	Methylene Blue- and Thiol-Based Oxygen Depletion for SuperResolution Imaging	
A3586	Analytical Chemistry	Nano-High-Performance Liquid Chromatography with Online Precleaning Coupled to Inductively Coupled Plasma Mass Spectrometry for the Analysis of Lanthanide-Labeled Peptides in Tryptic Prote	
A3587	Analytical Chemistry	Near Infrared Fluorescent Trypsin Stabilized Gold Nanoclusters as Surface Plasmon Enhanced Energy Transfer Biosensor and in Vivo Cancer Imaging Bioprobe	
A3588	Analytical Chemistry	New Approach for Chemometric Analysis of Mass Spectrometry Data	
A3592	Analytical Chemistry	Phagomagnetic Separation and Electrochemical MagnetoGenosensing of Pathogenic Bacteria	
A3594	Analytical Chemistry	Photonic Crystal Lab-On-a-Chip for Detecting Staphylococcal Enterotoxin B at Low Attomolar Concentration	
A3595	Analytical Chemistry	Portable, Quantitative Detection of Bacillus Bacterial Spores Using Surface-Enhanced Raman Scattering	
A3598	Analytical Chemistry	Rapid Characterization of Lithium Ion Battery Electrolytes and Thermal Aging Products by Low-Temperature Plasma Ambient Ionization High-Resolution Mass Spectrometry	
A3601	Analytical Chemistry	Solution-State 2D NMR Spectroscopy of Plant Cell Walls Enabled by a Dimethylsulfoxide-d61-Ethyl-3-methylimidazolium Acetate Solvent	
A3602	Analytical Chemistry	Stoichiometric Analysis of Oligomerization of Membrane Proteins on Living Cells Using Coiled-Coil Labeling and Spectral Imaging	
A3603	Analytical Chemistry	Submicroliter Electrochemistry and Spectroelectrochemistry Using Standard Electrodes and a Polymer Electrolyte Salt Bridge	
A3604	Analytical Chemistry	Supersandwich Cytosensor for Selective and Ultrasensitive Detection of Cancer Cells Using Aptamer-DNA Concatamer-Quantum Dots Probes	
A3605	Analytical Chemistry	Surface-Enhanced Raman Scattering Chip for Femtomolar Detection of Mercuric Ion (II) by Ligand Exchange	
A3607	Analytical Chemistry	Time-of-Flight-Secondary Ion Mass Spectrometry and Cyclic Voltammetry Studies of Self-Assembly of Dodecanethiol on a Nanoporous Gold Surface	
A3608	Analytical Chemistry	Toward Implementation of Quorum Sensing Autoinducers as Biomarkers for Infectious Disease States	
A3609	Analytical Chemistry	Toxicity of Engineered Nanoparticles in the Environment	
A3610	Analytical Chemistry	Use of an Accelerometer and a Microphone as Gas Detectors in the Online Quantitative Detection of Hydrogen Released from Ammonia Borane by Gas Chromatography	

A3611	Analytical Chemistry	Years of the Division of Analytical Chemistry of the American Chemical Society	
A3612	Analytical Chemistry	A 96-Well Electrochemical Method for the Screening of Enzymatic Activities	
A3613	Analytical Chemistry	A Solid-State pH Sensor for Nonaqueous Media Including Ionic Liquids	
A3614	Analytical Chemistry	All-Integrated and Highly Sensitive Paper Based Device with Sample Treatment Platform for Cd 2+ immunodetection in Drinking Tap Waters	
A3615	Analytical Chemistry	Analytical Methodology for Determination of Organic Aerosol Functional Group Distributions	
A3616	Analytical Chemistry	Are We Virtual Yet	
A3618	Analytical Chemistry	Biomolecular Signatures of Diabetic Wound Healing by Structural Mass Spectrometry	
A3620	Analytical Chemistry	Correction to Micropatterned Surfaces Functionalized with Electroactive Peptides for Detecting Protease Release from Cells	
A3621	Analytical Chemistry	Data-Dependent Middle-Down Nano-Liquid Chromatography-Electron Capture Dissociation-Tandem Mass Spectrometry An Application for the Analysis of Unfractionated Histones	
A3623	Analytical Chemistry	Distribution of Biomolecules in Porous Nitrocellulose Membrane Pads Using Confocal Laser Scanning Microscopy and High-Speed Cameras	
A3624	Analytical Chemistry	Dynamic Full-Field Infrared Imaging with Multiple Synchrotron Beams	
A3625	Analytical Chemistry	Enhancing the Sensitivity of Molecular Secondary Ion Mass Spectrometry with C60+ -O2+ Cosputtering	
A3626	Analytical Chemistry	Gas-Phase Transformation of Phosphatidylcholine Cations to Structurally Informative Anions via Ion-Ion Chemistry	
A3627	Analytical Chemistry	Generating Arbitrary Chemical Patterns for Multipoint Dosing of Single Cells	
A3628	Analytical Chemistry	HI-Bone A Scoring System for Identifying Phenylisothiocyanate Derivatized Peptides Based on Precursor Mass and High Intensity Fragment Ions	
A3629	Analytical Chemistry	High-Mass Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry of Integral Membrane Proteins and Their Complexes	
A3630	Analytical Chemistry	High-Throughput and Sensitive Quantitation of Plasma Catecholamines by Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry Using a Solid Phase Microwell Extraction Plate	
A3631	Analytical Chemistry	High-Throughput Screening of Small Molecule Ligands Targeted to Live Bacteria Surface	
A3632	Analytical Chemistry	Highly Sensitive and Selective Nonenzymatic Detection of Glucose Using Three-Dimensional Porous Nickel Nanostructure	

A3633	Analytical Chemistry	Impact of Pellet Thickness on Quantitative Terahertz Spectroscopy of Solid Samples in a Polyethylene Matrix	
A3634	Analytical Chemistry	Isolation of Monodisperse Nanodisc-Reconstituted Membrane Proteins Using Free Flow Electrophoresis	
A3636	Analytical Chemistry	Mass Spectrometric Analysis of Sialylated Glycans with Use of SolidPhase Labeling of Sialic Acids	
A3637	Analytical Chemistry	Measurement of Isotope Abundance Variations in Nature ( by Gravimetric Spiking Isotope Dilution Analysis (GS-IDA	
A3638	Analytical Chemistry	Measuring Kinetic Isotope Effects in Enzyme Reactions Using TimeResolved Electrospray Mass Spectrometry	
A3640	Analytical Chemistry	Monitoring Guanidinium-Induced Structural Changes in Ribonuclease Proteins Using Raman Spectroscopy and 2D Correlation Analysis	
A3641	Analytical Chemistry	Nondestructive Size Determination of Thiol-Stabilized Gold Nanoclusters in Solution by Diffusion Ordered NMR Spectroscopy	
A3642	Analytical Chemistry	Nucleolar Molecular Signature of Pluripotent Stem Cells	
A3643	Analytical Chemistry	Probing Single-Molecule Fluorescence Spectral Modulation within Individual Hotspots with Subdiffraction-Limit Image Resolution	
A3645	Analytical Chemistry	Quantitative Measurements of Small Molecule Mixtures Using Laser Electrospray Mass Spectrometry	
A3646	Analytical Chemistry	Quinoline Driven Fluorescence Turn On 1,3-Bis-calix[4]arene Conjugate-Based Receptor to Discriminate +Fe <sup>3+</sup> from Fe <sup>2+</sup>	
A3647	Analytical Chemistry	Recoil Effects in Valence Band Photoemission of Organic Solids	
A3648	Analytical Chemistry	Resonance-Enhanced Multiphoton Ionization Time-of-Flight Mass Spectrometry for Sensitive Analysis of Product Ions Formed by Online Concentration from Analyte Adsorption Laser Desorption	
A3649	Analytical Chemistry	Scanning Ion Conductance Microscopy Measurement of Paracellular Channel Conductance in Tight Junctions	
A3651	Analytical Chemistry	Single Nanoparticle Detection for Multiplexed Protein Diagnostics with Attomolar Sensitivity in Serum and Unprocessed Whole Blood	
A3653	Analytical Chemistry	Standard Addition Method for Laser Ablation ICPMS Using a Spinning Platform	
A3654	Analytical Chemistry	Structure of Inclusions of Huntington's Disease Brain Revealed by Synchrotron Infrared Microspectroscopy Polymorphism and Relevance to Cytotoxicity	
A3656	Analytical Chemistry	Three-Dimensional Chemical Mapping with a Confocal XRF Setup	
A3657	Analytical Chemistry	Toward Single-Cell Analysis by Plume Collimation in Laser Ablation Electrospray Ionization Mass Spectrometry	



A3658	Analytical Chemistry	Use of Polyetheretherketone as a Material for Solid Phase Extraction of Hydroxylated Metabolites of Polycyclic Aromatic Hydrocarbons in Human Urine	
A3660	Analytical Chemistry	X ray Free Electron Lasers Motivate Bioanalytical Characterization of Protein Nanocrystals Serial Femtosecond Crystallography	
A3662	Analytical Chemistry	Accuracy and Precision in Camera-Based Fluorescence Correlation Spectroscopy Measurements	
A3663	Analytical Chemistry	Autophaser An Algorithm for Automated Generation of Absorption Mode Spectra for FT-ICR MS	
A3664	Analytical Chemistry	Carbon-AgAgCl Probes for Detection of Cell Activity in Droplets	
A3665	Analytical Chemistry	Characterization of Residual Medium Peptides from Yersinia pestis Cultures	
A3667	Analytical Chemistry	Correction for Isotopic Interferences between Analyte and Internal Standard in Quantitative Mass Spectrometry by a Nonlinear Calibration Function	
A3668	Analytical Chemistry	Correction to the Supporting Information of Real-Time Fluorescent Image Analysis of DNA Spot Hybridization Kinetics to Assess Microarray Spot Heterogeneity	
A3669	Analytical Chemistry	Correlation between Internal Structure and Electrochemical Impedance Spectroscopy of Multiphase Slurry Systems	
A3670	Analytical Chemistry	Current Pulse Based Reference Electrodes Without Liquid Junctions	
A3671	Analytical Chemistry	Determination of Heterogeneous Electron Transfer and Homogeneous Comproportionation Rate Constants of Tetracyanoquinodimethane Using Scanning Electrochemical Microscopy	
A3674	Analytical Chemistry	Digital Electrophoresis of Charged Droplets	
A3675	Analytical Chemistry	Electrochemical and Density Functional Theory ( Investigation on High Selectivity and Sensitivity of Exfoliated Nano-Zirconium Phosphate toward Lead(II	
A3676	Analytical Chemistry	Feasibility of 1H-High Resolution-Magic Angle Spinning NMR Spectroscopy in the Analysis of Viscous Cosmetic and Pharmaceutical Formulations	
A3677	Analytical Chemistry	Gas-Phase Structure of the Histone Multimers Characterized by Ion Mobility Mass Spectrometry and Molecular Dynamics Simulation	
A3682	Analytical Chemistry	In Situ TEM and Energy Dispersion Spectrometer Analysis of Chemical Composition Change in ZnO Nanowire Resistive Memories	
A3684	Analytical Chemistry	Inhibition of dsDNA-Templated Copper Nanoparticles by Pyrophosphate as a Label-Free Fluorescent Strategy for Alkaline Phosphatase Assay	

A3687	Analytical Chemistry	Isotope Cluster-Based Compound Matching in Gas Chromatography Mass Spectrometry for Non-Targeted Metabolomics	
A3688	Analytical Chemistry	s First Nuclear Device Using Post-Detonation Isotopic Fingerprinting of the World Materials	
A3690	Analytical Chemistry	Luminol Electrochemiluminescence for the Analysis of Active Cholesterol at the Plasma Membrane in Single Mammalian Cells	
A3691	Analytical Chemistry	Mapping of Surface-Immobilized DNA with Force-Based Atomic Force Microscopy	
A3692	Analytical Chemistry	Microfabricated Sampling Probes for in Vivo Monitoring of Neurotransmitters	
A3693	Analytical Chemistry	Monolayer-Protected Nanoparticle Doped Xerogels as Functional Components of Amperometric Glucose Biosensors	
A3694	Analytical Chemistry	Multifunctional Analytical Platform on a Paper Strip Separation, Preconcentration, and Subattomolar Detection	
A3696	Analytical Chemistry	Part per Trillion Label-Free Electronic Bioanalytical Detection	
A3697	Analytical Chemistry	Photoelectrochemical Lab-on-Paper Device Based on an Integrated Paper Supercapacitor and Internal Light Source	
A3698	Analytical Chemistry	Probing Voltage Drop Variations in Graphene with Photoelectron Spectroscopy	
A3699	Analytical Chemistry	Quantum Dot Nanometal Surface Energy Transfer Based Biosensing of Sialic Acid Compositions and Linkages in Biological Samples	
A3700	Analytical Chemistry	Sculpting the Analytical Volume in and around Nanoparticle Sensors Using a Multilayer Geometry	
A3701	Analytical Chemistry	Selection of DNA Aptamers against Epithelial Cell Adhesion Molecule for Cancer Cell Imaging and Circulating Tumor Cell Capture	
A3702	Analytical Chemistry	Selective Enhancement of Carbohydrate Ion Abundances by Diamond Nanoparticles for Mass Spectrometric Analysis	
A3703	Analytical Chemistry	Sensing in 15 s for Aqueous Fluoride Anion by Water-Insoluble Fluorescent Probe Incorporating Hydrogel	
A3704	Analytical Chemistry	Sensitive, High Throughput Detection of Proteins in Individual, Surfactant-Stabilized Picoliter Droplets Using Nanoelectrospray Ionization Mass Spectrometry	
A3706	Analytical Chemistry	Single Cell Array Based Assay for in Vitro Genotoxicity Study of Nanomaterials	
A3707	Analytical Chemistry	Single Pt Nanowire Electrode Preparation, Electrochemistry, and Electrocatalysis	
A3708	Analytical Chemistry	Single-Pulse Underwater Laser-Induced Breakdown Spectroscopy with Nongated Detection Scheme	

A3709	Analytical Chemistry	Solid-Phase Colorimetric Sensor Based on Gold Nanoparticle-Loaded Polymer Brushes Lead Detection as a Case Study	
A3710	Analytical Chemistry	Solid-State Electrochemical Assay of Heme-Binding Molecules for Screening of Drugs with Antimalarial Potential	
A3711	Analytical Chemistry	Surface Enhanced Raman Scattering Imaging of Developed ThinLayer Chromatography Plates	
A3712	Analytical Chemistry	Taylor Dispersion Analysis in Coiled Capillaries at High Flow Rates	
A3713	Analytical Chemistry	Theoretical Modeling of Masking DNA Application in AptamerFacilitated Biomarker Discovery	
A3714	Analytical Chemistry	Two Dimensional Correlation Analysis of Fourier Transform Ion Cyclotron Resonance Mass Spectra of Dissolved Organic Matter A New Graphical Analysis of Trends	
A3717	Analytical Chemistry	Ultrasensitive Label Free Electrical Detection of Insulin in Neat Blood Serum	
A3748	Analytical Chemistry	A Highly Sensitive and Selective Electrochemical Biosensor for Direct Detection of MicroRNAs in Serum	
A3750	Analytical Chemistry	Absorption Measurements in Liquid Core Waveguides Using Cavity Ring-Down Spectroscopy	
A3751	Analytical Chemistry	Activity-Based DNA-Gold Nanoparticle Probe as Colorimetric Biosensor for DNA Methyltransferase Glycosylase Assay	
A3752	Analytical Chemistry	Ambient Aerodynamic Desorption Ionization Method for Microparticle Mass Measurement	
A3753	Analytical Chemistry	Analysis of Protein Aggregation in Neurodegenerative Disease	
A3754	Analytical Chemistry	Analysis of the Interaction between Tropomyosin Allergens and Antibodies Using a Biosensor Based on Imaging Ellipsometry	
A3755	Analytical Chemistry	Analytical Expressions for Proton Transfer Voltammetry Analogy to Surface Redox Voltammetry with Frumkin Interactions	
A3758	Analytical Chemistry	Combining Spectral Ordering with Peak Fitting for One-Dimensional NMR Quantitative Metabolomics	
A3759	Analytical Chemistry	Continuous Flow Ion Mobility Separation with Mass Spectrometric Detection Using a Nano-Radial Differential Mobility Analyzer at Low Flow Rates	
A3760	Analytical Chemistry	Correlation Queries for Mass Spectrometry Imaging	
A3762	Analytical Chemistry	Deuterium Oxide Dilution A Novel Method to Study Apical Water Layers and Transepithelial Water Transport	
A3763	Analytical Chemistry	Development of a Novel Method for the Determination of Aqueous Inorganic <sup>129</sup> I Speciation	

A3767	Analytical Chemistry	Gold Nanoparticle Encapsulated-Tubular TiO <sub>2</sub> Nanocluster As a Scaffold for Development of Thiolated Enzyme Biosensors	
A3774	Analytical Chemistry	Lyophilization of Semiconducting Polymer Dot Bioconjugates	
A3775	Analytical Chemistry	Metaproteomics Harnessing the Power of High Performance Mass Spectrometry to Identify the Suite of Proteins That Control Metabolic Activities in Microbial Communities	
A3776	Analytical Chemistry	Method for Electric Parametric Characterization and Optimization of Electroporation on a Chip	
A3778	Analytical Chemistry	Microwave-Induced Plasma Desorption Ionization Source for Ambient Mass Spectrometry	
A3779	Analytical Chemistry	Minimizing Matrix Effect by Femtosecond Laser Ablation and Ionization in Elemental Determination	
A3780	Analytical Chemistry	Negative Enrichment of Circulating Tumor Cells Using a Geometrically Activated Surface Interaction Chip	
A3781	Analytical Chemistry	Novel Micro-Raman Setup with Tunable Laser Excitation for Time- Efficient Resonance Raman Microscopy and Imaging	
A3782	Analytical Chemistry	Numerical Simulation of Proton Distribution with Electric Double Layer in Extended Nanospaces	
A3783	Analytical Chemistry	On-the-Fly Kinetics of Enzymatic Racemization Using Deuterium NMR in DNA-Based Chiral Oriented Media	
A3784	Analytical Chemistry	Paper-Based SlipPAD for High-Throughput Chemical Sensing	
A3785	Analytical Chemistry	Plasma-Enhanced Antibody Immobilization for the Development of a Capillary-Based Carcinoembryonic Antigen Immunosensor Using Laser-Induced Fluorescence Spectroscopy	
A3786	Analytical Chemistry	Pulse Laser Photolysis of Aqueous Ozone in the Microsecond Range Studied by Time-Resolved Far-Ultraviolet Absorption Spectroscopy	
A3787	Analytical Chemistry	Quantitative Analysis of Uranium in Aqueous Solutions Using a Semiconductor Laser-Based Spectroscopic Method	
A3788	Analytical Chemistry	Reconstitution of Human Ether-a-go-go-Related Gene Channels in Microfabricated Silicon Chips	
A3789	Analytical Chemistry	Sensitive GC-MS MS Method to Measure Deuterium Labeled Deoxyadenosine in DNA from Limited Mouse Cell Populations	
A3790	Analytical Chemistry	Silver Nanoparticle-Enhanced Fluorescence Resonance Energy Transfer Sensor for Human Platelet-Derived Growth Factor-BB Detection	
A3792	Analytical Chemistry	Single Cell Amperometry Reveals Glycocalyx Hinders the Release of Neurotransmitters During Exocytosis	

A3793	Analytical Chemistry	Single-Cell Elemental Analysis via High Irradiance Femtosecond Laser Ionization Time-of-Flight Mass Spectrometry	
A3794	Analytical Chemistry	Sophisticated Design of PVC Membrane Ion-Selective Electrodes Based on the Mixed Potential Theory	
A3795	Analytical Chemistry	Top-Down Structural Analysis of an Intact Monoclonal Antibody by Electron Capture Dissociation-Fourier Transform Ion Cyclotron Resonance-Mass Spectrometry	
A3870	Analytical Chemistry	Analysis of Protein Aggregation in Neurodegenerative Disease <sup>1</sup>	
A3871	Analytical Chemistry	Celebrating the 75th Anniversary of the ACS Division of Analytical Chemistry A Special Collection of the Most Highlybetween 1938 and 2012	
A3880	Analytical Chemistry	Adhesion of Explosives	
A3882	Analytical Chemistry	An On-Chip, Multichannel Droplet Sorter Using Standing Surface Acoustic Waves	
A3884	Analytical Chemistry	Automatic and Simple Method for <sup>99</sup> Tc Determination Using a Selective Resin and Liquid Scintillation Detection Applied to Urine Samples	
A3886	Analytical Chemistry	Details Matter, and so Do Statistics	
A3890	Analytical Chemistry	Electrochemiluminescence Ratiometry A New Approach to DNA Biosensing	
A3891	Analytical Chemistry	End-Group Cleavage in MALDI of ATRP-Made Polystyrene A SilverCatalyzed Reaction during Sample Preparation	
A3892	Analytical Chemistry	Enzymatic Product-Mediated Stabilization of CdS Quantum Dots Produced In Situ Application for Detection of Reduced Glutathione, NADPH, and Glutathione Reductase Activity	
A3893	Analytical Chemistry	Glycomic Analysis Using Glycoprotein Immobilization for Glycan Extraction	
A3894	Analytical Chemistry	Hexagonal Class Representation for Fingerprinting and Facile Comparison of Petroleomic Samples	
A3895	Analytical Chemistry	High-Throughput Quantitative Screening of Peroxidase-Mimicking DNAzymes on a Microarray by Using Electrochemical Detection	
A3898	Analytical Chemistry	In Situ Study of the Antibacterial Activity and Mechanism of Action of Silver Nanoparticles by Surface-Enhanced Raman Spectroscopy	
A3899	Analytical Chemistry	Individually Addressable Thin-Film Ultramicroelectrode Array for Spatial Measurements of Single Vesicle Release	
A3902	Analytical Chemistry	Laser Ablation Surface-Enhanced Raman Microspectroscopy	
A3904	Analytical Chemistry	Mass Trees A New Phylogenetic Approach and Algorithm to Chart Evolutionary History with Mass Spectrometry	
A3905	Analytical Chemistry	Multiplexed Electrochemical Protein Detection and Translation to Personalized Cancer Diagnostics	

A3906	Analytical Chemistry	Nanoarchitected Electrochemical Cytosensors for Selective Detection of Leukemia Cells and Quantitative Evaluation of Death Receptor Expression on Cell Surfaces	
A3907	Analytical Chemistry	New Approach to Electrode Kinetic Measurements in Square Wave Voltammetry Amplitude-Based Quasireversible Maximum	
A3908	Analytical Chemistry	On-chip Enrichment and Analysis of Peptide Subsets Using a	
A3909	Analytical Chemistry	Optical Anisotropy of Flagellin Layers In Situ and Label-Free Measurement of Adsorbed Protein Orientation Using OWLS	
A3910	Analytical Chemistry	Optimization of a Concanavalin A-Based Glucose Sensor Using Fluorescence Anisotropy	
A3911	Analytical Chemistry	Orbitrap Mass Spectrometry	
A3912	Analytical Chemistry	Predictive-Property-Ranked Variable Reduction with Final Complexity Adapted Models in Partial Least Squares Modeling for Multiple Responses	
A3913	Analytical Chemistry	Simple Atmospheric Hydrogen Deuterium Exchange Method for Enumeration of Labile Hydrogens by Electrospray Ionization Mass Spectrometry	
A3915	Analytical Chemistry	Statistical Spectroscopic Tools for Biomarker Discovery and Systems Medicine	
A3916	Analytical Chemistry	Substrates and Controls for the Quantitative Detection of Active Botulinum Neurotoxin in Protease-Containing Samples	
A3918	Analytical Chemistry	Uncertainty of Blank Correction in Isotope Ratio Measurement	
A3919	Analytical Chemistry	Visualization and Process Understanding of Material Behavior in the Extrusion Barrel during a Hot-Melt Extrusion Process Using Raman Spectroscopy	
A3920	Analytical Chemistry	A 3D Printed Fluidic Device that Enables Integrated Features	
A3921	Analytical Chemistry	An Approach for Separation and Complete Structural Sequencing of HeparinHeparan Sulfate-like Oligosaccharides	
A3922	Analytical Chemistry	Analysis of (Functionalized) Fullerenes in Water Samples by Liquid Chromatography Coupled to High-Resolution Mass Spectrometry	
A3923	Analytical Chemistry	Analysis of Selected Sugars and Sugar Phosphates in Mouse Heart Tissue by Reductive Amination and Liquid ChromatographyElectrospray Ionization Mass Spectrometry	
A3924	Analytical Chemistry	Assessing the Nanoscale Structure and Mechanical Properties of Polymer Monoliths used for Chromatography	
A3928	Analytical Chemistry	Bioluminescent Yeast Assay for Detection of Organotin Compounds	

A3929	Analytical Chemistry	Capillary Photoionization A High Sensitivity Ionization Method for Mass Spectrometry	
A3931	Analytical Chemistry	Charting Microbial Phenotypes in Multiplex Nanoliter Batch Bioreactors	
A3932	Analytical Chemistry	Coupling Supported Lipid Bilayer Electrophoresis with MatrixAssisted Laser DesorptionIonization-Mass Spectrometry Imaging	
A3934	Analytical Chemistry	Detection of Vibrio cholerae Using the Intrinsic Catalytic Activity of a Magnetic Polymeric Nanoparticle	
A3935	Analytical Chemistry	Determination of Ambient Ethanol Concentrations in Aqueous Environmental Matrixes by Two Independent Analyses	
A3936	Analytical Chemistry	Development of a High-Throughput Laser-Induced Acoustic Desorption Probe and Raster Sampling For Laser-Induced Acoustic DesorptionAtmospheric Pressure Chemical Ionization	
A3937	Analytical Chemistry	Development of an Oligopeptide Functionalized Surface Plasmon Resonance Biosensor for Online Detection of Glyphosate	
A3939	Analytical Chemistry	Diamond Decorated with Copper Nanoparticles for Electrochemical Reduction of Carbon Dioxide	
A3942	Analytical Chemistry	Enabling Quantitative Analysis in Ambient Ionization Mass Spectrometry Internal Standard Coated Capillary Samplers	
A3943	Analytical Chemistry	Enhancing Secondary Ion Yields in Time of Flight-Secondary Ion Mass Spectrometry Using Water Cluster Primary Beams	
A3946	Analytical Chemistry	FePt Alloy Nanoparticles for Biosensing Enhancement of Vitamin C Sensor Performance and Selectivity by Nanoalloying	
A3951	Analytical Chemistry	High-Resolution Quantitative Metabolome Analysis of Urine by Automated Flow Injection NMR	
A3952	Analytical Chemistry	High-Sensitivity Raman Spectrometer To Study Pristine and Irradiated Interstellar Ice Analogs	
A3955	Analytical Chemistry	Imidazolium-Based Ionic Liquid Surfaces for Biosensing	
A3956	Analytical Chemistry	Immunoassay Arrays Fabricated by Dip-Pen Nanolithography with Resonance Raman Detection	
A3958	Analytical Chemistry	Isoelectric Point Determination of Live Polioviruses by Capillary Isoelectric Focusing with Whole Column Imaging Detection	
A3959	Analytical Chemistry	Label-Free Biosensing in Complex Media A Referencing Approach	
A3961	Analytical Chemistry	Mass Spectrometry Assessment of Ubiquitin Carboxyl-Terminal Hydrolase L1 Partitioning between Soluble and Particulate Brain Homogenate Fractions	
A3962	Analytical Chemistry	Measurement of Protein Tyrosine Phosphatase Activity in Single Cells by Capillary Electrophoresis	

A3963	Analytical Chemistry	Method Development and Analysis of Free HS and HS in Proteoglycans from Pre- and Postmenopausal Women Evidence for Biosynthetic Pathway Changes in Sulfotransferase and Sulfatase Enzyme	
A3964	Analytical Chemistry	Microcavity Array System for Size-Based Enrichment of Circulating Tumor Cells from the Blood of Patients with Small-Cell Lung Cancer	
A3968	Analytical Chemistry	New Experimental Evidence for In-Chain Amino Acid Racemization of Serine in a Model Peptide	
A3969	Analytical Chemistry	On the Fate of MRI Gd-Based Contrast Agents in Cells. Evidence for Extensive Degradation of Linear Complexes upon Endosomal Internalization	
A3970	Analytical Chemistry	One-Pot Synthesized Aptamer-Functionalized CdTe Zn <sup>2+</sup> quantum Dots for Tumor-Targeted Fluorescence Imaging in Vitro and in Vivo	
A3971	Analytical Chemistry	Optimization and Automation of Quantitative NMR Data Extraction	
A3972	Analytical Chemistry	Optimized Light-Directed Synthesis of Aptamer Microarrays	
A3973	Analytical Chemistry	Oriented Covalent Immobilization of Antibodies for Measurement of Intermolecular Binding Forces between Zipper-Like Contact Surfaces of Split Inteins	
A3975	Analytical Chemistry	Printed Circuit Board Ion Trap Mass Analyzer Its Structure and Performance	
A3976	Analytical Chemistry	Quantifying Uncertainty of Determination by Standard Additions and Serial Dilutions Methods Taking into Account Standard Uncertainties in Both Axes	
A3977	Analytical Chemistry	Rapid Electrochemical Enzyme Assay with Enzyme-Free Calibration	
A3979	Analytical Chemistry	Segmentation of Confocal Raman Microspectroscopic Imaging Data Using Edge-Preserving Denoising and Clustering	
A3982	Analytical Chemistry	Simple Boric Acid-Based Fluorescent Focusing for Sensing of Glucose and Glycoprotein via Multipath Moving Supramolecular Boundary Electrophoresis Chip	
A3983	Analytical Chemistry	Simultaneous Analysis of the Equilibrium Hygroscopicity and Water Transport Kinetics of Liquid Aerosol	
A3984	Analytical Chemistry	Simultaneous Biosensing with Quartz Crystal Microbalance with a Dissipation Coupled-Gate Semiconductor Device	
A3985	Analytical Chemistry	Solvent Exchange Module for LC-NMR Hyphenation Using Machine Vision-Controlled Droplet Evaporation	
A3987	Analytical Chemistry	The Observation of Dianions Generated by Electrochemical Reduction of trans-Stilbenes in Ionic Liquids at Room Temp	
A3989	Analytical Chemistry	Typing of Blood-Group Antigens on Neutral Oligosaccharides by Negative-Ion Electrospray Ionization Tandem Mass Spectrometry	



A3990	Analytical Chemistry	Using Glycinylation, a Chemical Derivatization Technique, for the Quantitation of Ubiquitinated Proteins	
A3991	Analytical Chemistry	Visual Detection of Copper(II) Ions Based on an Anionic Polythiophene Derivative Using Click Chemistry	
A3992	Analytical Chemistry	Western Blotting Using Microchip Electrophoresis Interfaced to a Protein Capture Membrane	
A3993	Analytical Chemistry	Yeast Surface Displaying Glucose Oxidase as Whole-Cell Biocatalyst Construction, Characterization, and Its Electrochemical Glucose Sensing Application	
A3994	Analytical Chemistry	Ambient Surface Mass Spectrometry Using Plasma-Assisted Desorption Ionization Effects and Optimization of Analytical Parameters for Signal Intensities of Molecules and Polymers	
A3995	Analytical Chemistry	A Microfluidic Liquid Phase Nucleic Acid Purification Chip to Selectively Isolate DNA or RNA from Low Copy/Single Bacterial Cells	
A3996	Analytical Chemistry	Capillary Electrophoresis SELEX Selection of Catalytic DNA Aptamers for a Small-Molecule Porphyrin Target	
A3997	Analytical Chemistry	Cell Surface-Fluorescence Immunosorbent Assay for Real-Time Detection of Hybridomas with Efficient Antibody Secretion at the Single-Cell Level	
A3998	Analytical Chemistry	Chemically Irreversible Redox Mediator for SECM Kinetics Investigations Determination of the Absolute Tip Sample Distance	
A3999	Analytical Chemistry	Combination of Liquid Chromatography-Fourier Transform Ion Cyclotron Resonance-Mass Spectrometry with <sup>13</sup> C-Labeling for	
A4000	Analytical Chemistry	Cu(II) s Peptide Tyrosine Fluorescence Studies Revisited Affnity for the Alzheimer	
A4001	Analytical Chemistry	Development and Validation of the First Liquid ChromatographyTandem Mass Spectrometry Assay for Simultaneous Quantification of Multiple Antiretrovirals in Meconium	
A4002	Analytical Chemistry	Development of a Native Nanoelectrospray Mass Spectrometry Method for Determination of the Drug-to-Antibody Ratio of Antibody Drug Conjugates	
A4003	Analytical Chemistry	Direct and Freely Switchable Detection of Target Genes Engineered by Reduced Graphene Oxide-Poly(m Aminobenzenesulfonic Acid) Nanocomposite via Synchronous Pulse Electrosynthesis	
A4004	Analytical Chemistry	Effect of Microculture on Cell Metabolism and Biochemistry Do Cells Get Stressed in Microchannels	
A4005	Analytical Chemistry	Electrochemical Study of the Anticancer Drug Daunorubicin at a WaterOil Interface Drug Lipophilicity and Quantification	

A4006	Analytical Chemistry	Estimation of the Deamidation Rates of Major Deamidation Sites in a Fab Fragment of Mouse IgG1 k by Capillary Isoelectric Focusing of Mutated Fab Fragments	
A4007	Analytical Chemistry	Fabrication of High-Quality Microfluidic Solid-Phase Chromatography Columns	
A4008	Analytical Chemistry	Gene Delivery to Cultured Embryonic Stem Cells Using Nanofiber Based Sandwich Electroporation	
A4009	Analytical Chemistry	Graphene Signal Amplification for Sensitive and Real-Time Fluorescence Anisotropy Detection of Small Molecules	
A4010	Analytical Chemistry	Hydroquinone Diphosphate as a Phosphatase Substrate in Enzymatic Amplification Combined with Electrochemical Chemical Redox Cycling for the Detection of E. coli O157H7	
A4011	Analytical Chemistry	Impact of a Surfactant on the Electroactivity of Proteins at an Aqueous Organogel Microinterface Array	
A4012	Analytical Chemistry	Influence of Surface Adsorption on the Interfacial Electron Transfer of Flavin Adenine Dinucleotide and Glucose Oxidase at Carbon Nanotube and Nitrogen-Doped Carbon Nanotube Electrodes	
A4013	Analytical Chemistry	Interfacing Droplet Microfluidics with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Label-Free Content Analysis of Single Droplets	
A4014	Analytical Chemistry	Liquid Chromatography, Chemical Oxidation, and Online Carbon Isotope Dilution Mass Spectrometry as a Universal Quantification System for Nonvolatile Organic Compounds	
A4015	Analytical Chemistry	Mechanistic Evaluation of the Pros and Cons of Digital RT-LAMP for HIV 1 Viral Load Quantification on a Microfluidic Device and Improved Efficiency via a Two-Step Digital Protocol	
A4016	Analytical Chemistry	Method for Fabrication of Paper-Based Microfluidic Devices by Alkylsilane Self-Assembling and UVO3 Patterning	
A4017	Analytical Chemistry	Modulation of Glycan Detection on Specific Glycoproteins by Lectin Multimerization	
A4018	Analytical Chemistry	Polymeric Membrane Neutral Phenol-Sensitive Electrodes for Potentiometric G Quadruplex/Hemin DNAzyme-Based Bi	
A4019	Analytical Chemistry	Quantifying the Cluster of Differentiation 4 Receptor Density on Human T Lymphocytes Using Multiple Reaction Monitoring Mass Spectrometry	
A4020	Analytical Chemistry	Quenching of the Electrochemiluminescence of Tris(2, 2 bipyridine)ruthenium(II)/Tri n propylamine by Pristine Carbon Nanotube and Its Application to Quantitative Detection of DNA	
A4021	Analytical Chemistry	Screening and Identification of Glycoellins and Their Metabolites by Electrospray Ionization Tandem Mass Spectrometry with Precursor Ion Scanning	

A4022	Analytical Chemistry	Sequential Protein and Peptide Immunoaffinity Capture for Mass Spectrometry-Based Quantification of Total Human B Nerve Growth Factor	
A4023	Analytical Chemistry	Simple and Efficient Strategy for Site-Specific Dual Labeling of Proteins for Single-Molecule Fluorescence Resonance Energy Transfer Analysis	
A4024	Analytical Chemistry	Sub 2 $\mu$ m Macroporous Silica Particles Derivatized for Enhanced Lectin Affinity Enrichment of Glycoproteins	
A4025	Analytical Chemistry	Temperature Dependence of Electrochemical DNA Charge Transport Influence of a Mismatch	
A4026	Analytical Chemistry	Advantages Available in the Application of the Semi-Integral Electroanalysis Technique for the Determination of Diffusion Coefficients in the Highly Viscous Ionic Liquid -1.Methyl-3	
A4027	Analytical Chemistry	Amplified and in Situ Detection of Redox-Active Metabolite Using a Biobased Redox Capacitor	
A4028	Analytical Chemistry	Automated Gas-Phase Purification for Accurate, Multiplexed Quantification on a Stand-Alone Ion-Trap Mass Spectrometer	
A4029	Analytical Chemistry	Automatic Identification of Emission Lines in Laser-Induced Plasma by Correlation of Model and Experimental Spectra	
A4030	Analytical Chemistry	Characterization of Selenium Incorporation into Wheat Proteins by Two-Dimensional Gel Electrophoresis-Laser Ablation ICP MS	
A4031	Analytical Chemistry	Detecting and Tracking Nosocomial Methicillin-Resistant Staphylococcus aureus Using a Microfluidic SERS Biosensor	
A4032	Analytical Chemistry	Direct Observation of Aminoglycoside RNA Binding by Localized Surface Plasmon Resonance Spectroscopy	
A4033	Analytical Chemistry	Elastomeric Negative Acoustic Contrast Particles for Affinity Capture Assays	
A4034	Analytical Chemistry	Electron Transfer Properties of Dual Self-Assembled Architectures Based on Specific Recognition and Electrostatic Driving Forces: Its Application To Control Substrate Inhibition in Horseradish	
A4035	Analytical Chemistry	Fluorescence Quenching of Graphene Oxide Integrating with the Site-Specific Cleavage of the Endonuclease for Sensitive and Selective MicroRNA Detection	
A4036	Analytical Chemistry	Glycopeptide Identification Using Liquid-ChromatographyCompatible Hot Electron Capture Dissociation in a Radio-FrequencyQuadrupole Ion Trap	
A4037	Analytical Chemistry	Immobilization Method to Preserve Enzyme Specificity in Biosensors Consequences for Brain Glutamate Detection	
A4038	Analytical Chemistry	In Vivo Solid-Phase Microextraction with in Vitro Calibration Determination of Off Flavor Components in Live	
A4039	Analytical Chemistry	In-Line Multipoint Near-Infrared Spectroscopy for Moisture Content Quantification during Freeze-Drying	

A4040	Analytical Chemistry	Integrated Proteomic Analysis of Major Isoaspartyl-Containing Proteins in the Urine of Wild Type and Protein L Isoaspartate O Methyltransferase-Deficient Mice	
A4041	Analytical Chemistry	Low-Flow Sheathless Capillary Electrophoresis Mass Spectrometry for Sensitive Glycoform Profiling of Intact Pharmaceutical Proteins	
A4042	Analytical Chemistry	Microtextured Substrates and Microparticles Used as in Situ Lenses for On-Chip Immunofluorescence Amplification	
A4043	Analytical Chemistry	Multiparametric Homogeneous Method for Identification of Ligand Binding to G Protein-Coupled Receptors Receptor Ligand Binding and B Arrestin Assay	
A4044	Analytical Chemistry	Multiplex Plasmonic Sensor for Detection of Different Metal Ions Based on a Single Type of Gold Nanorod	
A4045	Analytical Chemistry	On-Chip Assessment of the Protein-Release Profile from 3D Hydrogel Arrays	
A4046	Analytical Chemistry	Practical Approaches to Incurred Sample LC-MSMS Reanalysis Confirming Unexpected Results	
A4047	Analytical Chemistry	Probing the Interactions between Boronic Acids and cis-DiolContaining Biomolecules by Affnity Capillary Electrophoresis	
A4048	Analytical Chemistry	Quantification of Iron in Seawater at the Low Picomolar Range Based on Optimization of Bromate Ammonia Dihydroxynaphtalene System by Catalytic Adsorptive Cathodic Stripping Voltammetry	
A4049	Analytical Chemistry	Rapid and in Vivo Quantification of Cellular Lipids in Chlorella vulgaris Using Near-Infrared Raman Spectrometry	
A4050	Analytical Chemistry	Real-Time Detection of Transcription Factors Using TargetConverted Helicase-Dependent Amplification Assay with ZeroBackground Signal	
A4051	Analytical Chemistry	Refined Magic-Angle Coil Spinning Resonator for Nanoliter NMR Spectroscopy Enhanced Spectral Resolution	
A4052	Analytical Chemistry	Sensitive Detection of Peptide Minicircle DNA Interactions by Surface Plasmon Resonance	
A4053	Analytical Chemistry	Simple and Accurate Quantification of Quantum Yield at the SingleMoleculeParticle Level	
A4054	Analytical Chemistry	Specific and Efficient N Propionylation of Histones with Propionic Acid N Hydroxysuccinimide Ester for Histone Marks Characterization by LC-MS	
A4055	Analytical Chemistry	Stabilization of ssRNA on Graphene Oxide Surface An Effective Way to Design Highly Robust RNA Probes	
A4056	Analytical Chemistry	Surface Plasmon Resonance Imaging of Amyloid B Aggregation Kinetics in the Presence of Epigallocatechin Gallate and Metals	
A4057	Analytical Chemistry	Wavelength-Resolved Optical Extinction Measurements of Aerosols Using Broad-Band Cavity-Enhanced Absorption Spectroscopy over the Spectral Range of 445 480 nm	

A4058	Analytical Chemistry	A Highly Efficient and Visualized Method for Glycan Enrichment by Self-Assembling Pyrene Derivative Functionalized Free Graphene Oxide	
A4059	Analytical Chemistry	A Simple Point-of-Care Microfluidic Immunomagnetic Fluorescence Assay for Pathogens	
A4060	Analytical Chemistry	Authentication of Organically and Conventionally Grown Basils by Gas ChromatographyMass Spectrometry Chemical Profiles	
A4061	Analytical Chemistry	Chemoaffnity Material for Plasmid DNA Analysis by HighPerformance Liquid Chromatography with Condition-Dependent Switching between Isoform and Topoisomer Selectivity	
A4062	Analytical Chemistry	Control of the Graphene Protein Interface Is Required To Preserve Adsorbed Protein Function	
A4063	Analytical Chemistry	Development and Application of a Stable Isotope Dilution Analysis for the Quantitation of Advanced Glycation End Products	
A4064	Analytical Chemistry	Diagnosis of B Lactam Resistance in Acinetobacter baumannii Using Shotgun Proteomics and LC-Nano-Electrospray Ionization Ion Trap Mass Spectrometry	
A4065	Analytical Chemistry	Differential Enzyme-Linked Immunosorbent Assay and LigandBinding Mass Spectrometry for Analysis of Biotransformation of Protein Therapeutics Application to Various FGF21 Modalities	
A4066	Analytical Chemistry	Direct Peel Monitoring of Xenobiotics in Fruit by Direct Analysis in Real Time Coupled to a Linear Quadrupole Ion Trap Orbitrap Mass Spectrometer	
A4067	Analytical Chemistry	Electrochemically Induced Far-Infrared Difference Spectroscopy on Metalloproteins Using Advanced Synchrotron Technology	
A4068	Analytical Chemistry	Freeze-Drying as Sample Preparation for Micellar Electrokinetic Capillary Chromatography Electrochemical Separations of Neurochemicals in Drosophila Brains	
A4069	Analytical Chemistry	In Situ Strain-Level Detection and Identification of Vibrio parahaemolyticus Using Surface-Enhanced Raman Spectroscopy	
A4070	Analytical Chemistry	Influence of Dimethylsulfoxide on Protein Ligand Binding Affinities	
A4071	Analytical Chemistry	Interfacing Lipid Bilayer Nanodiscs and Silicon Photonic Sensor Arrays for Multiplexed Protein Lipid and Protein Membrane Protein Interaction Screening	
A4072	Analytical Chemistry	Liquid Chromatography Tandem Mass Spectrometry-Based Plasma Metabonomics Delineate the Effect of Metabolites Stability on Reliability of Potential Biomarkers	
A4073	Analytical Chemistry	Microfluidic Integration of Parallel Solid-Phase Liquid Chromatography	

A4074	Analytical Chemistry	Monolithic Capillary Column Based Glycoproteomic Reactor for High-Sensitive Analysis of N Glycoproteome	
A4075	Analytical Chemistry	Nonspecific Particle-Based Method with Two-Photon Excitation Detection for Sensitive Protein Quantification and Cell Counting	
A4076	Analytical Chemistry	Protein Post-Translational Modification Analyses Using On-Chip Immunoprobed Isoelectric Focusing	
A4077	Analytical Chemistry	Protein Quantification Using Resonance Energy Transfer between Donor Nanoparticles and Acceptor Quantum Dots	
A4078	Analytical Chemistry	Quantitative Correlations between the Normal Incidence Differential Reflectance and the Coverage of Adsorbed Bromide on a Polycrystalline Platinum Rotating Disk Electrode	
A4079	Analytical Chemistry	Rapid Antibiotic Susceptibility Testing in a Microfluidic pH Sensor	
A4080	Analytical Chemistry	Relative Quantitation of Glycoisoforms of Intact Apolipoprotein C3 in Human Plasma by Liquid Chromatography High-Resolution Mass Spectrometry	
A4081	Analytical Chemistry	Approach Increases Peptide Identifications for MS1 Based Segmentation of Tiling Label-Free Quantification Precursor Mass Range Using	
A4082	Analytical Chemistry	Separation of Ions in Nanofluidic Channels with Combined PressureDriven and Electro-Osmotic Flow	
A4083	Analytical Chemistry	Single-Shot Proteomics Using Capillary Zone ElectrophoresisElectrospray Ionization-Tandem Mass Spectrometry with Production of More than 1 250 Escherichia coli Peptide Identifications	
A4084	Analytical Chemistry	An Ammonium Bicarbonate-Enhanced Stable Isotope Dilution UHPLC-MSMS Method for Sensitive and Accurate Quantification of Acrolein DNA Adducts in Human Leukocy	
A4085	Analytical Chemistry	An in Situ Measurement of Extracellular Cysteamine, Homocysteine, and Cysteine Concentrations in Organotypic Hippocampal Slice Cultures by Integration of Electroosmotic Sampling and	
A4086	Analytical Chemistry	Analysis of O Glycans as 9 Fluorenylmethyl Derivatives and Its Application to the Studies on Glycan Array	
A4087	Analytical Chemistry	Approach for Plasmonic Based DNA Sensing Amplification of the Wavelength Shift and Simultaneous Detection of the Plasmon Modes of Gold Nanostructures	
A4088	Analytical Chemistry	Characterizing the Range of Extracellular Protein Post-Translational Modifications in a Cellulose-Degrading Bacteria Using a Multiple Proteolytic DigestionPeptide Fragmentation Approach	
A4089	Analytical Chemistry	Effect of Signaling Probe Conformation on Sensor Performance of a Displacement-Based Electrochemical DNA Sensor	

A4090	Analytical Chemistry	High-Throughput Bioaffinity Mass Spectrometry for Screening and Identification of Designer Anabolic Steroids in Dietary Supplements	
A4091	Analytical Chemistry	Highly Specific and Ultrasensitive Graphene-Enhanced Electrochemical Detection of Low-Abundance Tumor Cells Using Silica Nanoparticles Coated with Antibody-Conjugated Quantum Dots	
A4092	Analytical Chemistry	HPLC NMR Revisited Using Time-Slice High-Performance Liquid Chromatography Solid-Phase Extraction Nuclear Magnetic Resonance with Database-Assisted Dereplication	
A4093	Analytical Chemistry	Implementing Enzyme-Linked Immunosorbent Assays on a Microfluidic Chip To Quantify Intracellular Molecules in Single Cells	
A4094	Analytical Chemistry	In-Depth Characterization of N Linked Oligosaccharides Using Fluoride-Mediated Negative Ion Microfluidic Chip LC MS	
A4095	Analytical Chemistry	Integrated Amperometric Affinity Biosensors Using Co <sup>2+</sup> Tetradentate Nitrilotriacetic Acid Modified Disposable Carbon Electrodes Application to the Determination of B Lactam Antibiotics	
A4096	Analytical Chemistry	Manganese Porphyrin-dsDNA Complex A Mimicking Enzyme for Highly Efficient Bioanalysis	
A4097	Analytical Chemistry	Memory Efficient Principal Component Analysis for the Dimensionality Reduction of Large Mass Spectrometry Imaging Data Sets	
A4098	Analytical Chemistry	Multi Epitope-Targeting Immunoprecipitation Using F(ab) Fragments with High Affinity and Specificity for the Enhanced Detection of a Peptide with Matrix-Assisted Laser Desorption	
A4099	Analytical Chemistry	Multiplexed Microcolumn-Based Process for Efficient Selection of RNA Aptamers	
A4100	Analytical Chemistry	MyCompoundID Using an Evidence-Based Metabolome Library for Metabolite Identification	
A4101	Analytical Chemistry	On-Chip Integrated Mid-Infrared GaAsAlGaAs Mach Zehnder Interferometer	
A4102	Analytical Chemistry	Organo-Modified Hydroxide-Quantum Dot Nanocomposites as a Novel Chemiluminescence Resonance Energy Transfer Probe	
A4103	Analytical Chemistry	Perspectives on the Evolution of the Column Efficiency in Liquid Chromatography	
A4104	Analytical Chemistry	Photoluminescent Cd@ZnO Probe for Sensitive and Selective Detection of Acetylcholine	
A4105	Analytical Chemistry	Proteome-Wide Discovery and Characterizations of Nucleotide-Binding Proteins with Affinity-Labeled Chemical Probes	

A4106	Analytical Chemistry	Rapid and Comprehensive Impurity Profiling of Synthetic Thyroxine by Ultrahigh-Performance Liquid Chromatography High-Resolution Mass Spectrometry	
A4107	Analytical Chemistry	Selected Ion Flow Tube Mass Spectrometry Analysis of Volatile Metabolites in Urine Headspace for the Profiling of GastroEsophageal Cancer	
A4108	Analytical Chemistry	Silver-Assisted Laser Desorption Ionization For High Spatial Resolution Imaging Mass Spectrometry of Olefins from Thin Tissue Sections	
A4109	Analytical Chemistry	Temperature-Programmable Resistively Heated Micromachined Gas Chromatography and Differential Mobility Spectrometry Detection for the Determination of Non-Sulfur Odorants in Natural Gas	
A4110	Analytical Chemistry	Automated Pipeline for De Novo Metabolite Identification Using Mass-Spectrometry-Based Metabolomics	
A4111	Analytical Chemistry	Correction to Aptamer Modified Organic Inorganic Hybrid Silica Monolithic Capillary Columns for Highly Selective Recognition of Thrombin	
A4112	Analytical Chemistry	Directly Coupled High-Performance Liquid ChromatographyAccelerator Mass Spectrometry Measurement of Chemically Modified Protein and Peptides	
A4113	Analytical Chemistry	Large-Scale Capture of Peptides Containing Reversibly Oxidized Cysteines by Thiol-Disulfide Exchange Applied to the Myocardial Redox Proteome	
A4114	Analytical Chemistry	Microplate-Based Colorimetric Detection of Free Hydrogen Sulfide	
A4115	Analytical Chemistry	Qualitative Confirmation of 9 Synthetic Cannabinoids and 20 Metabolites in Human Urine Using LC MS MS and Library Search	
A4116	Analytical Chemistry	Sensitive and Continuous Screening of Inhibitors of B Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1 )at Single SPR Chips	
A4117	Analytical Chemistry	Speciation Analysis of <sup>129</sup> I in Seawater by Carrier-Free AgI AgCl Coprecipitation and Accelerator Mass Spectrometric Measurement	
A4118	Analytical Chemistry	The Potential Impact of Droplet Microfluidics in Biology	
A4119	Analytical Chemistry	Versatile DNAzyme-Based Amplified Biosensing Platforms for Nucleic Acid, Protein, and Enzyme Activity Detection	
A4120	Analytical Chemistry	Absolute Quantification of Peptides by Isotope Dilution Liquid Chromatography Inductively Coupled Plasma Mass Spectrometry and Gas ChromatographyMass Spectrometry	
A4121	Analytical Chemistry	Comparison between Enhanced MALDI In-source Decay by Ammonium Persulfate and N- or C Terminal Derivatization Methods for Detailed Peptide Structure Determination	
A4122	Analytical Chemistry	Development of a Simple Cataluminescence Sensor System for Detecting and Discriminating Volatile Organic	



		Compounds at Different Concentrations	
A4123	Analytical Chemistry	Dielectric Barrier Discharge for High Efficiency Plasma-Chemical Vapor Generation of Cadmium	
A4124	Analytical Chemistry	Glycomic Profiling of Tissue Sections by LC-MS	
A4125	Analytical Chemistry	Gold, Carbon, and Aluminum Low-Reflectivity Compact Discs as Microassaying Platforms	
A4126	Analytical Chemistry	Hybrid Capillary Microfluidic System for Comprehensive Online Liquid Chromatography-Capillary Electrophoresis-Electrospray Ionization-Mass Spectrometry	
A4127	Analytical Chemistry	Hybridization of Bioelectrochemically Functional Infinite Coordination Polymer Nanoparticles with Carbon Nanotubes for Highly Sensitive and Selective In Vivo Electrochemical Monitoring	
A4128	Analytical Chemistry	Infrared Spectroscopy with Heated Attenuated Total Internal Reflectance Enabling Precise Measurement of Thermally Induced Transitions in Complex Biological Polymers	
A4129	Analytical Chemistry	Integrated Capillary Zone Electrophoresis Electro spray Ionization Tandem Mass Spectrometry System with an Immobilized Trypsin Microreactor for Online Digestion and Analysis of Picogram	
A4130	Analytical Chemistry	Integration of Solid-State Nanopores in Microfluidic Networks via Transfer Printing of Suspended Membranes	
A4131	Analytical Chemistry	Label-Free Detection of Cardiac Troponin I Using Carbon Nanofiber Based Nanoelectrode Arrays	
A4132	Analytical Chemistry	Nitroreductase Detection and Hypoxic Tumor Cell Imaging by Designed Sensitive and Selective Fluorescent Probe, 7 [(5Nitrofuran-2-yl)methoxy] 3H phenoxazin-3-one	
A4133	Analytical Chemistry	Single Cell Antimicrobial Susceptibility Testing by Confined Microchannels and Electrokinetic Loading	
A4134	Analytical Chemistry	Ultrahigh-Throughput Approach for Analyzing Single-Cell Genomic Damage with an Agarose-Based Microfluidic Comet Array	
A4135	Analytical Chemistry	Ultrasensitive Electrogenerated Chemiluminescence Peptide-Based Method for the Determination of Cardiac Troponin I Incorporating Amplification of Signal Reagent Encapsulated Liposomes	
A4136	Analytical Chemistry	Use of Dispersion Imaging for Grating-Coupled Surface Plasmon Resonance Sensing of Multilayer Langmuir Blodgett Films	
A4137	Analytical Chemistry	Water O H Stretching Raman Signature for Strong Acid Monitoring via Multivariate Analysis	
A4138	Analytical Chemistry	3D Imaging of Flow Patterns in an Internally-Pumped Microfluidic Device Redox Magnetohydrodynamics and Electrochemically- Generated Density Gradients	

A4139	Analytical Chemistry	A Label-Free Potentiometric Sensor Principle for the Detection of Antibody Antigen Interactions	
A4140	Analytical Chemistry	Characterization of MYC-Induced Tumorigenesis by in Situ Lipid Profiling	
A4141	Analytical Chemistry	Chimeric RNA DNA Molecular Beacons for Quantification of Nucleic Acids, Single Nucleotide Polymorphisms, and Nucleic Acid Damage	
A4142	Analytical Chemistry	Detection of Iron Ligands in Seawater and Marine Cyanobacteria Cultures by High-Performance Liquid Chromatography Inductively Coupled Plasma-Mass Spectrometry	
A4143	Analytical Chemistry	Development of Affinity Microcolumns for Drug Protein Binding Studies in Personalized Medicine Interactions of Sulfonylurea Drugs with in vivo Glycated Human Serum Albumin	
A4144	Analytical Chemistry	Electrospun Nanofibers as Substrates for Surface-Assisted Laser Desorption Ionization and Matrix-Enhanced Surface-Assisted Laser Desorption Ionization Mass Spectrometry	
A4145	Analytical Chemistry	Fast Quantitative $^1\text{H}$ $^{13}\text{C}$ Two-Dimensional NMR with Very High Precision	
A4146	Analytical Chemistry	High-Confidence de Novo Peptide Sequencing Using Positive Charge Derivatization and Tandem MS Spectra Merging	
A4147	Analytical Chemistry	Human Formalin-Fixed Paraffin-Embedded Tissues An Untapped Specimen for Biomonitoring of Carcinogen DNA Adducts by Mass Spectrometry	
A4148	Analytical Chemistry	In Situ Nanoplasmonic Probing of Enzymatic Activity of Monolayer- Confined Glucose Oxidase on Colloidal Nanoparticles	
A4149	Analytical Chemistry	Ion Mobility Mass Spectrometry as a Potential Tool To Assign Disulfide Bonds Arrangements in Peptides with Multiple Disulfide Bridges	
A4150	Analytical Chemistry	Label-Free Colorimetric Aptasensor Based on Nicking Enzyme Assisted Signal Amplification and DNAzyme Amplification for Highly Sensitive Detection of Protein	
A4151	Analytical Chemistry	Label-Free Detection of Carbohydrate Protein Interactions Using Nanoscale Field-Effect Transistor Biosensors	
A4152	Analytical Chemistry	Microchamber Integration Unifies Distinct Separation Modes for Two-Dimensional Electrophoresis	
A4153	Analytical Chemistry	Simple Field Device for Measurement of Dimethyl Sulfide and Dimethylsulfoniopropionate in Natural Waters, Based on Vapor Generation and Chemiluminescence Detection	
A4154	Analytical Chemistry	Ultra Pressure Liquid Chromatography Negative Electrospray Ionization Mass Spectrometry Determination of Twelve Halobenzoquinones at ng L Levels in Drinking Water	

A4155	Analytical Chemistry	Unraveling the Glyco-Puzzle Glycan Structure Identification by Capillary Electrophoresis	
A4156	Analytical Chemistry	Characterization of MYC-Induced Tumorigenesis by in Situ Lipid Profiling <sup>1</sup>	
A4159	Analytical Chemistry	An Accessible Protocol for Solid-Phase Extraction of N Linked Glycopeptides through Reductive Amination by Amine Functionalized Magnetic Nanoparticles	
A4160	Analytical Chemistry	Analytical Condition Setting a Crucial Step in the Quantification of Unstable Polyphenols in Acidic Conditions Analyzing Prenylflavonoids in Biological Samples by Liquid Chromatography	
A4161	Analytical Chemistry	Characterization of Low-Temperature Co-fired Ceramic Tiles as Platforms for Gas Chromatographic Separations	
A4162	Analytical Chemistry	Development of an Online Microbore Hollow Fiber Enzyme Reactor Coupled with Nanoflow Liquid Chromatography-Tandem Mass Spectrometry for Global Proteomics	
A4163	Analytical Chemistry	Dumbbell-Shaped DNA Analytes Amplified by Polymerase Chain Reaction for Robust Single-Nucleotide Polymorphism Genotyping by Affinity Capillary Electrophoresis	
A4164	Analytical Chemistry	Dynamic Dosing Assay Relating Real-Time Respiration Responses of Staphylococcus aureus Biofilms to Changing Microchemical Conditions	
A4165	Analytical Chemistry	Highly Specific and Sensitive Measurements of Human and Monkey Interleukin 21 Using Sequential Protein and Tryptic Peptide Immunoaffinity LC-MS/MS	
A4166	Analytical Chemistry	Identification of Ion Series Using Ion Mobility Mass Spectrometry The Example of Alkyl-Benzothiophene and Alkyl-Dibenzothiophene Ions in Diesel Fuels	
A4167	Analytical Chemistry	Isobaric Protein-Level Labeling Strategy for Serum Glycoprotein Quantification Analysis by Liquid Chromatography Tandem Mass Spectrometry	
A4168	Analytical Chemistry	Kinetic Modeling of Dissolution and Crystallization of Slurries with Attenuated Total Reflectance UV Visible Absorbance and Near-Infrared Reflectance Measurements	
A4169	Analytical Chemistry	Luminescent Core-Shell Imprinted Nanoparticles Engineered for Targeted Förster Resonance Energy Transfer-Based Sensing	
A4170	Analytical Chemistry	Simultaneous All-Optical Determination of Molecular Concentration and Extinction Coefficient	
A4171	Analytical Chemistry	Superhydrophobic Surfaces as an On-Chip Microfluidic Toolkit for Total Droplet Control	
A4172	Analytical Chemistry	Attomolar Detection of Influenza A Virus Hemagglutinin Human H1 and Avian H5 Using Glycan-Blotted Field Effect Transistor Biosensor	
A4202	Biotechnology Progress	Biohydrogen Production by Dark Fermentation of Glycerol Using Enterobacter and Citrobacter Sp	

A4203	Biotechnology Progress	Cell Behavior Observation and Gene Expression Analysis of Melanoma Associated with Stromal Fibroblasts in a Three-Dimensional Magnetic Cell Culture Array	
A4204	Biotechnology Progress	Comparative Analysis of Heterologous Expression, Biochemical Characterization Optimal Production of an Alkaline $\alpha$ -Amylase from Alkaliphilic <i>Alkalimonas amylolytica</i> in <i>Escherichia coli</i> an	
A4206	Biotechnology Progress	Development of Large Engineered Cartilage Constructs from a Small Population of Cells	
A4207	Biotechnology Progress	Direct and Indirect Use of GFP Whole Cell Biosensors for the Assessment of Bioprocess Performances Design of Milliliter Scale-Down Bioreactors	
A4208	Biotechnology Progress	Downstream Processing, Characterization, and Structure Function Relationship of Solvent-, Detergent-, Psychro-, Thermo-, Alkalistable Metalloprotease from Metal-, Solvent-Tolerant Psychrotrophic <i>Pseudomonas putida</i> SK-1 Isolate	
A4211	Biotechnology Progress	Fed-Batch CHO Cell t-PA Production and Feed Glutamine Replacement to Reduce Ammonia Production	
A4212	Biotechnology Progress	Hydrodynamic Characteristics and Microalgae Cultivation in a Novel Flat-Plate Photobioreactor	
A4213	Biotechnology Progress	Immobilization of <i>Oenococcus oeni</i> in Lentikats R to Develop Malolactic Fermentation in Wines	
A4214	Biotechnology Progress	Impact of Aeration Strategy on CHO Cell Performance During Antibody Production	
A4215	Biotechnology Progress	Improving the Fermentation Performance of <i>Saccharomyces cerevisiae</i> by Laccase During Ethanol Production from Steam-Exploded Wheat Straw at High-Substrate Loadings	
A4216	Biotechnology Progress	In Vitro and In Vivo Evaluation of L-Lactide $\epsilon$ -Caprolactone Copolymer Scaffold to Support Myoblast Growth and Differentiation	
A4218	Biotechnology Progress	Model-Based Analysis on the Extractability of Information from Data in Dynamic Fed-Batch Experiments	
A4220	Biotechnology Progress	Optimizing Capacity Utilization by Large Scale 3000 L Perfusion in Seed Train Bioreactors	
A4221	Biotechnology Progress	Osteogenic Differentiation and Osteochondral Tissue Engineering Using Human Adipose-Derived Stem Cells	
A4222	Biotechnology Progress	Phosphatidylcholine Enrichment with Medium Chain Fatty Acids by Immobilized Phospholipase A 1-Catalyzed Acidolysis	
A4223	Biotechnology Progress	Process Model Comparison and Transferability Across Bioreactor Scales and Modes of Operation for a Mammalian Cell Bioprocess	
A4224	Biotechnology Progress	Production and Scale-Up of a Monoclonal Antibody Against 17-Hydroxyprogesterone	

A4228	Biotechnology Progress	Redox-Enzymes, Cells and Micro-Organisms Acting on Carbon Nanostructures Transformation A Mini-Review	
A4229	Biotechnology Progress	Shrimp ( <i>Litopenaeus vannamei</i> ) Trypsinogen Production in <i>Pichia pastoris</i> Bioreactor Cultures	
A4230	Biotechnology Progress	Solubility Properties and Diffusional Extraction Behavior of Natamycin from <i>Streptomyces gilvosporeus</i> Biomass	
A4231	Biotechnology Progress	The Effect of Ultrasonication on the Immunomodulatory Activity of Low-Quality Ginseng	
A4232	Biotechnology Progress	A Biomimetic Chitosan Composite with Improved Mechanical Properties in Wet Conditions	
A4233	Biotechnology Progress	A Dynamic Metabolic Flux Balance Based Model of Fed-Batch Fermentation of <i>Bordetella Pertussis</i>	
A4234	Biotechnology Progress	Application of a New Human Cell Line, F2N78, in the Transient and Stable Production of Recombinant Therapeutics	
A4235	Biotechnology Progress	Bioinspired Molecular Adhesive for Water-Resistant Oxygen Indicator Films	
A4236	Biotechnology Progress	Biotransformation and Improved Enzymatic Extraction of Chlorogenic Acid from Coffee Pulp by Filamentous Fungi	
A4237	Biotechnology Progress	Buffer Capacity of Biologics From Buffer Salts to Buffering by Antibodies	
A4238	Biotechnology Progress	Chromatographic Peak Alignment Using Derivative Dynamic Time Warping	
A4239	Biotechnology Progress	Chromatography Process Development in the Quality by Design Paradigm I Establishing a High-Throughput Process Development Platform as a Tool for Estimating Characterization Space for a	
A4240	Biotechnology Progress	Computational Modeling of Nutrient Utilization in Engineered Cartilage	
A4241	Biotechnology Progress	Continuous Rhamnolipid Production Using Denitrifying <i>Pseudomonas aeruginosa</i> Cells in Hollow-Fiber Bioreactor	
A4242	Biotechnology Progress	Design of Growth-Dependent Biosensors Based on Destabilized GFP for the Detection of Physiological Behavior of <i>Escherichia coli</i> in Heterogeneous Bioreactors	
A4243	Biotechnology Progress	Display of <i>Clostridium cellulovorans</i> Xylose Isomerase on the Cell Surface of <i>Saccharomyces cerevisiae</i> and its Direct Application to Xylose Fermentation	
A4247	Biotechnology Progress	Elicitation of Galanthamine Production by <i>Leucojum aestivum</i> Shoots Grown in Temporary Immersion System	
A4248	Biotechnology Progress	Endogenous Extracellular Matrices Enhance Human Mesenchymal Stem Cell Aggregate Formation and Survival	
A4249	Biotechnology Progress	Evaluation of Exogenous siRNA Addition as a Metabolic Engineering Tool for Modifying Biopharmaceuticals	
A4251	Biotechnology Progress	Fluid Flow in a Spiral Device Used for Irradiation of Biological Fluids	

A4252	Biotechnology Progress	Grafted Megaporous Materials as Ion-Exchangers for Bioproduct Adsorption	
A4253	Biotechnology Progress	Impact of an Acid Fungal Protease in High Gravity Fermentation for Ethanol Production Using Indian Sorghum as a Feedstock	
A4254	Biotechnology Progress	In Vitro Silencing of Myostatin Gene by shRNAs in Chicken Embryonic Myoblast Cells	
A4255	Biotechnology Progress	Integration of Stochastic Simulation with Multivariate Analysis Short-Term Facility Fit Prediction	
A4257	Biotechnology Progress	Novel Nanoimaging Approach Antibodious Polymeric Nanolabel for Intracellular Alpha-Fetoprotein Targeted Monitoring	
A4258	Biotechnology Progress	Optimizing Microalgal Production in Raceway Systems	
A4259	Biotechnology Progress	PEGylated Human Plasma Fibronectin is Proteolytically Stable, Supports Cell Adhesion, Cell Migration, Focal Adhesion Assembly, and Fibronectin Fibrillogenesis	
A4261	Biotechnology Progress	Recent Advancements in Various Steps of Ethanol, Butanol, and Isobutanol Productions from Woody Materials	
A4262	Biotechnology Progress	A CHO Cell Line Engineered to Express XBP1 and ERO1-La Has Increased Levels of Transient Protein Expression	
A4263	Biotechnology Progress	Aqueous Biphasic Systems Composed of Ionic Liquids and Sodium Carbonate as Enhanced Routes for the Extraction of Tetracycline	
A4264	Biotechnology Progress	Case Study An Accelerated 8-Day Monoclonal Antibody Production Process Based on High Seeding Densities	
A4265	Biotechnology Progress	Cell-Based Screening of Traditional Chinese Medicines for Proliferation Enhancers of Mouse Embryonic Stem Cells	
A4267	Biotechnology Progress	Differential Response in Downstream Processing of CHO Cells Grown Under Mild Hypothermic Conditions	
A4268	Biotechnology Progress	Feed Rate Control in Fed-Batch Fermentations Based on Frequency Content Analysis	
A4269	Biotechnology Progress	Fermentanomics Informed Amino Acid Supplementation of an Antibody Producing Mammalian Cell Culture	
A4270	Biotechnology Progress	Glassy State and Cryopreservation of Mint Shoot Tips	
A4272	Biotechnology Progress	Improving of Red Colorants Production by a New <i>Penicillium purpurogenum</i> Strain in Submerged Culture and the Effect of Different Parameters in Their Stability	
A4274	Biotechnology Progress	Loofa ( <i>Luffa cylindrica</i> ) Sponge Review of Development of the Biomatrix as a Tool for Biotechnological Applications	
A4275	Biotechnology Progress	Microplates as a Microreactor Platform for Microalgae Research	
A4278	Biotechnology Progress	Polyethylene Glycol-Based Low Generation Dendrimers Functionalized with $\beta$ -Cyclodextrin as Cryo- and Dehydro-Protectant of Catalase Formulations	

A4279	Biotechnology Progress	Production of Humic Acids from Oil Palm Empty Fruit Bunch by Submerged Fermentation with <i>Trichoderma viride</i> Cellulosic Substrates and Nitrogen Sources	
A4281	Biotechnology Progress	Rapid Removal of Glycerol from Frozen-Thawed Red Blood Cells	
A4283	Biotechnology Progress	Separation of Nonfucosylated Antibodies with Immobilized FccRIII Receptors	
A4284	Biotechnology Progress	Separation, Antitumor Activities, and Encapsulation of Polypeptide from <i>Chlorella pyrenoidosa</i>	
A4285	Biotechnology Progress	Strictosidine-Related Enzymes Involved in the Alkaloid Biosynthesis of <i>Uncaria tomentosa</i> Root Cultures Grown Under Oxidative Stress	
A4287	Biotechnology Progress	Very High Density of Chinese Hamster Ovary Cells in Perfusion by Alternating Tangential Flow or Tangential Flow Filtration in WAVE Bioreactor TM Part II Applications for Antibody Product	
A4288	Biotechnology Progress	Very High Density of CHO Cells in Perfusion by ATF or TFF in WAVE Bioreactor TM . Part I. Effect of the Cell Density on the Process	
A4289	International journal of food science & technology	Antioxidant activity, phenolic and anthocyanin contents of various rhubarb ( <i>Rheum</i> spp.) varieties	
A4290	International journal of food science & technology	Antioxidant and antimicrobial properties of Thai propolis extracted using ethanol aqueous solution	
A4291	International journal of food science & technology	Antioxidant capacity and total reducing power of balsamic and traditional balsamic vinegar from Modena and Reggio Emilia by conventional chemical assays	
A4292	International journal of food science & technology	Antioxidative and antimicrobial activities of shrimp chitosan on gilthead sea bream ( <i>Sparus aurata</i> ) during refrigerated storage	
A4293	International journal of food science & technology	Changes in volatile compounds and oil quality with malaxation time of Tunisian cultivars of <i>Olea europea</i>	
A4294	International journal of food science & technology	Chemical and colour changes related to the use of sorbates and ascorbic acid in pickled cucumbers and caperberries during long-term storage	
A4296	International journal of food science & technology	Comparison of physicochemical, binding, antioxidant and antibacterial properties of chitosans prepared from ground and entire crab leg shells	
A4298	International journal of food science & technology	Effect of a multi-step preparation of amaranth and palm nut sauces on their carotenoid content and retinol activity equivalent values	
A4302	International journal of food science & technology	Effect of the cluster heterogeneity on mechanical properties, chromatic indices and chemical composition of Italia table grape berries ( <i>Vitis vinifera</i> L.) s	

A4303	International journal of food science & technology	Effects of gamma irradiation on starch digestibility of rice with different resistant starch content	
A4304	International journal of food science & technology	Effects of storage conditions and cooking on colour and antioxidant activities of organic pigmented rice	
A4307	International journal of food science & technology	Experimental consideration for the use of check-all-that-apply questions to describe the sensory properties of orange juices	
A4308	International journal of food science & technology	In vitro starch digestion in sweet potato ( <i>Ipomoea batatas</i> L.) flours	
A4309	International journal of food science & technology	Mathematical approach to assessing spelt cultivars ( <i>Triticum aestivum</i> subsp. spelt) for pasta making	
A4310	International journal of food science & technology	Modelling of dough formation process and structure evolution during farinograph test.pdf	
A4311	International journal of food science & technology	Multitoxin evaluation in fermented beverages and cork stoppers by liquid chromatography tandem mass spectrometry	
A4315	International journal of food science & technology	Sensory evaluation of organic and conventional fruits and vegetables available to Irish consumers	
A4316	International journal of food science & technology	C using chitosan and an oxygen absorber Shelf life extension of ground meat stored at 4	
A4317	International journal of food science & technology	A spectrophotometric method for the detection of carboxymyoglobin in beef drip	
A4318	International journal of food science & technology	Anthocyanin content and antioxidant capacity in bran extracts of some Thai black rice varieties	
A4319	International journal of food science & technology	Combination of resistant starches types II and IV with minimal amounts of oat bran yields good quality, low glycaemic index pasta	
A4321	International journal of food science & technology	Determination of reaction kinetics of hydrolysis of tilapia ( <i>Oreochromis niloticus</i> ) protein for manipulating production of bioactive peptides with antioxi	
A4324	International journal of food science & technology	Effect of processing treatments (frozen, frying) on contents of minerals in tissues of frutti di mare	
A4325	International journal of food science & technology	Effect of roasting on colour and volatile composition of pistachios ( <i>Pistacia vera</i> L	



A4326	International journal of food science & technology	Effects of combined nonthermal treatment on microbial growth and the quality of minimally processed yam ( <i>Dioscorea japonica</i> Thunb) during storage	
A4327	International journal of food science & technology	Effects of rind removal on physicochemical quality characteristics of fresh-cut watermelon [ <i>Citrullus lanatus</i> (Thunb) Matsum & Nakai] during cold storage	
A4328	International journal of food science & technology	Empirical and diffusion models to describe water ( .transport into chickpea ( <i>Cicer arietinum</i> L	
A4329	International journal of food science & technology	Enhanced antimicrobial activity of nisin in combination with allyl isothiocyanate against <i>Listeria monocytogenes</i> , <i>Staphylococcus aureus</i> , <i>Salmonella Typhimur</i>	
A4330	International journal of food science & technology	Evolution of amino acids and biogenic amines in natural ciders as a function of the year and the manufacture steps	
A4331	International journal of food science & technology	Functional components of grape pomace their composition, biological properties and potential applications	
A4332	International journal of food science & technology	Functional properties of limited hydrolysed cross-linked casein gelatin composites	
A4334	International journal of food science & technology	Interaction between lactic acid bacteria and food-borne pathogens on putrescine production in ornithine-enriched broth	
A4336	International journal of food science & technology	Liposomes encapsulating beta-carotene produced by the proliposomes method characterisation and shelf life of powders and phospholipid vesicles	
A4338	International journal of food science & technology	Optimised methodology for carboxymethylation of 1 3 BD glucan from Yeast ( <i>Saccharomyces cerevisiae</i> ) and promotion of mechanical activation	
A4339	International journal of food science & technology	Physicochemical properties of extruded germinated wheat and barley as modified co2 injection and difference extrusion conditions.pdf	
A4341	International journal of food science & technology	Production of active lipase by <i>Rhizopus oryzae</i> from sugarcane bagasse solid state fermentation in a tray bioreactor	
A4342	International journal of food science & technology	The effect of consumption of inulin-enriched turrón upon blood serum lipids over a 5-week period	
A4343	International journal of food science & technology	Ultrasound-assisted extraction of quercetin from onion solid wastes	
A4344	International journal of food science & technology	Acid gelation of native and heat-denatured soy proteins and locust bean gum	

A4345	International journal of food science & technology	Characterisation of soy extract processed under different drying methods and extraction conditions	
A4347	International journal of food science & technology	Chemical composition, antioxidant activity and anti-lipase activity of <i>Origanum vulgare</i> and <i>Lippia turbinata</i> essential oils	
A4348	International journal of food science & technology	Chemical composition, in vitro starch digestibility and amino acid analysis of a underexplored kidney bean ( <i>Phaseolus vulgaris</i> . L.) grown in Chongqing, Chin	
A4349	International journal of food science & technology	Composition and properties of starches from Virginia-grown kabuli chickpea ( <i>Cicer arietinum</i> L.) cultivars	
A4350	International journal of food science & technology	Detection of low-quality extra virgin olive oils by fatty acid alkyl esters evaluation a preliminary and fast mid-infrared spectroscopy discrimination by a	
A4351	International journal of food science & technology	Deterioration due to delayed icing and its impacts on the ( nutritional quality of Malabar travally ( <i>Carangoides malabaricus</i>	
A4353	International journal of food science & technology	Drying characteristics and quality of taegeuk ginseng ( <i>Panax ginseng</i> C.A. Meyer) using far-infrared rays	
A4354	International journal of food science & technology	Dynamic viscoelastic study on the gelation of basil seed gum.pdf	
A4355	International journal of food science & technology	Effect of koji fermentation on generation of volatile compounds in soy sauce production.pdf	
A4356	International journal of food science & technology	Enzymatic peeling and discoloration of Red Bartlett pears.pdf	
A4357	International journal of food science & technology	Evaluation of physico-chemical properties, trace metal content and antioxidant activity of Indian honeys.pdf	
A4360	International journal of food science & technology	Manipulation of volatile compound transformation in durian wine by nitrogen supplementation	
A4361	International journal of food science & technology	Misapplication of the ClausiusClapeyron equation for estimating heats of adsorption in foods	
A4362	International journal of food science & technology	Odour-active compounds in pineapple ( <i>Ananas comosus</i> ( [L.] Merrill cv. Red Spanish	
A4363	International journal of food science & technology	Optimisation of cake fat quantity and composition using response surface methodology	

A4365	International journal of food science & technology	Preparation and characteristics of squid pen b-chitin prepared under optimal deproteinisation and demineralisation condition	
A4366	International journal of food science & technology	Preventing constipation a review of the laxative potential of food ingredients	
A4367	International journal of food science & technology	Proteolysis characteristics of Actinomucor elegans and Rhizopus oligosporus extracellular proteases under acidic conditions	
A4368	International journal of food science & technology	Rheological and sensory attributes of cream caramel desserts containing fructooligosaccharides as substitute sweeteners	
A4369	International journal of food science & technology	A study of variation in the tendency for postharvest discoloration in a lettuce ( <i>Lactuca sativa</i> ) diversity set	
A4371	International journal of food science & technology	Characterisation of acid proteases from a fusant F76 and its progenitors <i>Aspergillus oryzae</i> HN3042 and <i>Aspergillus niger</i> CICC2377	
A4372	International journal of food science & technology	Characterisation, stability and in vitro degradation of microcapsules containing Chinese yak ( <i>Poephagus grunniens</i> L.) butter	
A4373	International journal of food science & technology	Composition, characterisation and analysis of seed oil of <i>Suaeda salsa</i> L	
A4374	International journal of food science & technology	Development of whey-fruit-based energy drink mixes using D-optimal mixture design	
A4376	International journal of food science & technology	Effect of frying variables on French fry properties	
A4377	International journal of food science & technology	Effect of grape variety on the evolution of sugars, hydroxymethylfurfural, polyphenols and antioxidant activity during grape must cooking	
A4378	International journal of food science & technology	Effect of heat treatment on physiochemical, colour, antioxidant and microstructural characteristics of apples during storage.pdf	
A4380	International journal of food science & technology	Effect of the dry ice maceration and oak cask fermentation on colour parameters and sensorial evaluation of Tempranillo wines	
A4381	International journal of food science & technology	Effects of glycerol, sorbitol, carboxymethylcellulose, xylitol and fructose plasticisers on mechanical and moisture barrier properties of pullulanalginate	
A4384	International journal of food science & technology	High hydrostatic pressure (HHP) inactivation of foodborne pathogens in low-acid juices	

A4386	International journal of food science & technology	Optimisation of acid extraction of pectin from sweet potato residues by response surface methodology and its antiproliferation effect on cancer cells	
A4387	International journal of food science & technology	Optimisation of preservatives for dealcoholised red wine using a survival model for spoilage yeasts	
A4392	International journal of food science & technology	Preserving sensory attributes of roasted peanuts using edible coatings	
A4394	International journal of food science & technology	The effect of ultrasound and photosonation treatment on polyphenoloxidase (PPO) activity, total phenolic component and colour of apple juice	
A4395	International journal of food science & technology	The effects of temperature and pH on the extraction of oxalate and pectin from green kiwifruit ( <i>Actinidia deliciosa</i> L.), golden kiwifruit ( <i>Actinidia chinensis</i>	
A4396	International journal of food science & technology	A comparison of two methods for estimating microbial survival data	
A4397	International journal of food science & technology	An $\alpha$ L-rhamnosidase from <i>Aspergillus awamori</i> MTCC-2879 and its role in debittering of orange juice	
A4398	International journal of food science & technology	Antibacterial activity of Ginseng ( <i>Panax ginseng</i> C. A. Meyer) stemsleaves extract produced by subcritical water extraction	
A4399	International journal of food science & technology	Antioxidant activity and antimicrobial properties of phenolic extracts from acerola ( <i>Malpighia emarginata</i> DC) fruit	
A4400	International journal of food science & technology	Antioxidant and anti-hypertensive activity of anthocyanin-rich extracts from hullless pigmented barley cultivars	
A4401	International journal of food science & technology	Characterisation of malolactic conversion by <i>Oenococcus oeni</i> to reduce the acidity of apple juice	
A4402	International journal of food science & technology	Comparative study on antioxidant activity of four varieties of <i>Flammulina velutipes</i> with different colour	
A4403	International journal of food science & technology	Effect of drying kinetics on main bioactive compounds and antioxidant activity of acerola ( <i>Malpighia emarginata</i> D.C.) residue	
A4404	International journal of food science & technology	Effect of non-isothermal processing and moisture content on the anthocyanin degradation and colour kinetics of cherry pomace	
A4405	International journal of food science & technology	Effect of partial replacement of potassium lactate and sodium diacetate by natural green tea and grape seed extracts and postpackaging thermal treatment on th	

A4406	International journal of food science & technology	Effects of hydrocolloids on chemical properties and cooking quality of gluten-free spaghetti	
A4409	International journal of food science & technology	Functional properties of soy sauce and metabolism genes of strains for fermentation	
A4410	International journal of food science & technology	s strategy to strengthen food security in rural areas of IUFoST developing countries.pdf	
A4411	International journal of food science & technology	Modelling changes in anthocyanins, total vitamin C and colour as a consequence of peracetic acid washing disinfection of two cultivars of strawberries for fre	
A4413	International journal of food science & technology	Optimisation of ultrasonic-assisted extraction of polyphenols from apple peel employing cellulase enzymolysis	
A4414	International journal of food science & technology	Phenolic composition and antioxidant activity of white mulberry ( <i>Morus alba</i> L.) fruits	
A4415	International journal of food science & technology	Physicochemical and functional properties of chitosans affected by storage periods of crab leg shell	
A4416	International journal of food science & technology	Polyphenol oxidase activity in white tan-plant-type sorghums An important determinant of the relatively dark colour of their porridges	
A4418	International journal of food science & technology	Quality response of table grapes ( <i>Vitis vinifera</i> L.) during cold storage to postharvest cap stem excision and hot water treatments	
A4419	International journal of food science & technology	Ready-to-eat snack products the role of extrusion technology in developing consumer acceptable and nutritious snacks	
A4422	International journal of food science & technology	The effect of microbial transglutaminase on the immunoreactive and sensory properties of fermented milk beverages	
A4423	International journal of food science & technology	A comparative study on different concentration methods of extracts obtained from two raspberries ( <i>Rubus idaeus</i> L.) cultivars evaluation of anthocyanins and ph	
A4424	International journal of food science & technology	A new approach to modelling the shelf life of Gilthead ( seabream ( <i>Sparus aurata</i>	
A4426	International journal of food science & technology	Antioxidant and tyrosinase inhibitory activities of a novel chitosanphloroglucinol conjugate	
A4427	International journal of food science & technology	Characterisation of osmotically dehydrated papaya with further hot air drying and microwave vacuum drying	

A4428	International journal of food science & technology	Chemical composition and nutritional value of raw and fried allis shad ( <i>Alosa alosa</i> )	
A4429	International journal of food science & technology	Consumer interpretation of ready to drink orange juice and nectar labelling	
A4432	International journal of food science & technology	Dielectric properties of pineapple as function of temperature and water content	
A4433	International journal of food science & technology	Differentiation of post harvest date fruit varieties non-destructively using FT-NIR spectroscopy	
A4435	International journal of food science & technology	Effect of plant polyphenols and ascorbic acid on lipid oxidation, residual nitrite and N-nitrosamines formation in dry-cured sausage	
A4437	International journal of food science & technology	Effects of frying on polar material and free fatty acids in soybean oils	
A4438	International journal of food science & technology	Effects of high hydrostatic pressure on the physicochemical and emulsifying properties of sweet potato protein	
A4439	International journal of food science & technology	Effects of microwave and hot-air drying methods on colour, b-carotene and radical scavenging activity of apricots	
A4440	International journal of food science & technology	Enzymatic treatment of peanut butter to reduce the concentration of major peanut allergens	
A4441	International journal of food science & technology	French Fries oleuropein content during the successive deep frying in oils enriched with an olive leaf extract	
A4442	International journal of food science & technology	Freshness and quality attributes of cold stored Atlantic bonito ( <i>Sarda sarda</i> ) gravad	
A4443	International journal of food science & technology	Gene transcription analysis of hazelnut ( <i>Corylus avellana</i> L.) allergens Cor a 1, Cor a 8 and Cor a 11 a comparative study	
A4444	International journal of food science & technology	High hydrostatic pressure inactivation kinetics of the endogenous lipoxygenase in crude silver carp ( <i>Hypophthalmichthys molitrix</i> ) extract	
A4445	International journal of food science & technology	Nanobiotechnology perspectives. Role of nanotechnology in the food industry a review	
A4446	International journal of food science & technology	Polyphenol oxidase inactivation and vitamin C degradation kinetics of Fuji apple quarters by high humidity air impingement blanching	

A4448	International journal of food science & technology	Separation-preconcentration of Cu, Cd, Pb and Ni in various water and food samples on Sepabeads SP-207	
A4449	International journal of food science & technology	C Soybean oil-chitosan emulsion affects internal quality and shelf-life of eggs stored at 25 and 4	
A4450	International journal of food science & technology	A novel bi-enzymatic system for lactose conversion	
A4451	International journal of food science & technology	Acid adaptation for improvement of viability of <i>Saccharomyces cerevisiae</i> during freeze-drying	
A4452	International journal of food science & technology	Alginate-based and protein-based materials for probiotics encapsulation a review	
A4453	International journal of food science & technology	An audit tool for environmental measurement in the UK food sector	
A4454	International journal of food science & technology	Analysis of various sweeteners in low-sugar mixed fruit jam equivalent sweetness, time-intensity analysis and acceptance test	
A4455	International journal of food science & technology	Antibacterial and antifungal activities of selected microalgae and cyanobacteria	
A4456	International journal of food science & technology	Chemical, antioxidant and sensory properties of tomatowatermelon-pineapple blends, and changes in their total antioxidant capacity during storage	
A4457	International journal of food science & technology	Computer Vision Technology in the Food and Beverage Industries	
A4458	International journal of food science & technology	Effect of low-energy X-ray irradiation on physical, chemical, textural and sensory properties of Dates	
A4459	International journal of food science & technology	Effect of relative humidity and temperature on absorption kinetics of two types of oxygen scavengers for packaged food	
A4460	International journal of food science & technology	Effect of roasting parameters on soy-butter product quality	
A4462	International journal of food science & technology	Effects of edible coatings on some quality parameters of Chinese water chestnut ( <i>Eleocharis tuberosa</i> ) during storage	
A4463	International journal of food science & technology	Effects of protein solubilisation and precipitation pH values on the functional properties of defatted wheat germ protein isolates	

A4464	International journal of food science & technology	Enzymatic production of low-calorie structured lipid from Echium seed oil and lauric acid optimisation by response surface methodology	
A4465	International journal of food science & technology	Evaluation of antimicrobial effects of lauric arginate on reduction of Salmonella spp. in ground chicken	
A4467	International journal of food science & technology	Handbook of Herbs and Spices Vol. 1	
A4468	International journal of food science & technology	Handbook of Herbs and Spices Vol. 2	
A4472	International journal of food science & technology	Modelling the survival of Enterobacter cloacae in a model olive cover brine solution	
A4473	International journal of food science & technology	Modulation of chelating factors, trace minerals and their estimated bioavailability in Italian and African sorghum ( <i>Sorghum bicolor</i> (L.) Moench) porridges	
A4474	International journal of food science & technology	Optimisation of microwave-assisted extraction of Gac oil at different hydraulic pressure, microwave and steaming conditions	
A4477	International journal of food science & technology	Potential application of <i>Saccharomyces boulardii</i> as a probiotic in goats yoghurt survival and organoleptic effects	
A4478	International journal of food science & technology	Selection of c-aminobutyric acid-producing lactic acid bacteria and their potential as probiotics for use as starter cultures in Thai fermented sausages (Nh	
A4479	International journal of food science & technology	The antioxidant capacity of polysaccharide from <i>Laminaria japonica</i> by citric acid extraction	
A4480	Chemistry of materials	A Banner Year for Chemistry of Materials	
A4481	Chemistry of materials	Colossal Reduction in Curie Temperature Due to Finite-Size Effects in CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles	
A4482	Chemistry of materials	Controlled Growth of Ag Au Bimetallic Nanorods through Kinetics Control	
A4483	Chemistry of materials	Correction to Autonomic Hydrogels Through Postfunctionalization of Gelatin	
A4484	Chemistry of materials	Correction to Glycerol-Based Bicontinuous Cubic Lyotropic Liquid Crystal Monomer System for the Fabrication of Thin-Film Membranes with Uniform Nanopores	
A4485	Chemistry of materials	Correction to In Situ Formation of Pyridyl-Functionalized Poly(3hexylthiophene)s via Quenching of the Grignard Metathesis Polymerization Toward Ligands for Semiconductor Quantum Dots	
A4487	Chemistry of materials	Mesoporous Silica Hollow Spheres with Ordered Radial Mesochannels by a Spontaneous Self-Transformation Appr	



A4490	Chemistry of materials	Rb <sub>j</sub> M <sub>k</sub> [Fe(CN) <sub>6</sub> ] (M = Co, Ni) Prussian Blue Analogue Hollow Nanocubes a New Example of a Multilevel Pore System	
A4491	Chemistry of materials	Relaxor-like Dielectric Behavior in Stoichiometric Sillenite Bi <sub>12</sub> SiO <sub>20</sub>	
A4492	Chemistry of materials	Sensitized Photografting of Diazonium Salts by Visible .Light	
A4493	Chemistry of materials	Soluble, Chloride-Terminated CdSe Nanocrystals Ligand Exchange Monitored by <sup>1</sup> H and <sup>31</sup> P NMR Spectroscopy	
A4495	Chemistry of materials	Strain-Induced Ferromagnetism and Magnetoresistance in Epitaxial Thin Films of LaCoO <sub>3</sub> Prepared by Polymer-Assisted Deposition	
A4496	Chemistry of materials	Structures, Sorption Characteristics, and Nonlinear Optical Properties of a New Series of Highly Stable Aluminum MOFs	
A4497	Chemistry of materials	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth Shell Thickness and Doping Position Dependence in Upconverting Optical Properties	
A4498	Chemistry of materials	Thermally Enhancing the Surface Areas of Yamamoto-Derived Porous Organic Polymers	
A4499	Chemistry of materials	Why Substitution Enhances the Reactivity of LiFePO <sub>4</sub>	
A3500		A Sensitized Nb <sub>2</sub> O <sub>5</sub> Photoanode for Hydrogen Production in a DyeSensitized Photoelectrosynthesis Cell	
A4503	Chemistry of materials	Functional Ultrathin Films and Nanolaminates from Aqueous Solutions	
A4504	Chemistry of materials	High Hole Mobility in Triindole-Based Columnar phases Removing the Bottleneck of Homogeneous Macroscopic Orientation	
A4505	Chemistry of materials	Highly Efficient and Stable Cadmium Chalcogenide Quantum Dot ZnO Nanowires for Photoelectrochemical Hydrogen Generation	
A4506	Chemistry of materials	Intercalation of Sodium Ions into Hollow Iron Oxide Nanoparticles	
A4508	Chemistry of materials	Li-Carboxylate Anode Structure-Property Relationships from Molecular Modeling	
A4509	Chemistry of materials	Photochemical Synthesis of Particulate Main-Group Elements and Compounds	
A4510	Chemistry of materials	Polymers as Templates for Au and Au@Ag Bimetallic Nanorods UVVis and Surface Enhanced Raman Spectroscopy	
A4511	Chemistry of materials	Self-Seeded Growth of Germanium Nanowires Coalescence and Ostwald Ripening	
A4512	Chemistry of materials	Thermo- and Photo-stimulated Effects on the Optical Properties of Rutile Titania Ceramic Layers Formed on Titanium Substrates	

A4514	Chemistry of materials	Toward Na-ion Batteries-Synthesis and Characterization of a Novel High Capacity Na Ion Intercalation Material	
A4518	Chemistry of materials	Comparison of the Photovoltaic Characteristics and Nanostructure of Fullerenes Blended with Conjugated Polymers with SiloxaneTerminated and Branched Aliphatic Side Chains	
A4519	Chemistry of materials	Compartmentalized Hollow Silica Nanospheres Templated from Nanoemulsions	
A4520	Chemistry of materials	Concerted Migration Mechanism in the Li Ion Dynamics of GarnetType Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub>	
A4521	Chemistry of materials	Correlating Structural Changes and Gas Evolution during the Thermal Decomposition of Charged Li <sub>x</sub> Ni <sub>0.8</sub> Co <sub>0.15</sub> AlCathode Materials 0.05 O <sub>2</sub>	
A4522	Chemistry of materials	Does Morphology of a Metal Nanoparticle Play a Role in Ostwald Ripening Processes	
A4523	Chemistry of materials	Electrochemical and Solid-State Lithiation of Graphitic C <sub>3</sub> N <sub>4</sub>	
A4524	Chemistry of materials	Electronic Structure of Pure and Doped Cuprous Oxide with Copper Vacancies Suppression of Trap States	
A4526	Chemistry of materials	Functional Polymer Brushes on Hydrogenated Graphene	
A4529	Chemistry of materials	Invisible Gates for Moving Water Droplets Adhesive Force Gradients on a Biomimetic Superhydrophobic Surface	
A4530	Chemistry of materials	Janus-Type Dendromesogens A Tool to Control the Nanosegregation and Polar Organization of Bent-Core Structures	
A4531	Chemistry of materials	Liquid-Phase Templateless Synthesis of Pt-on-Pd 0.85 Bi Nanowires and PtPdBi Porous Nanoparticles with Superior ElectrocatalyticActivity0.15	
A4541	Chemistry of materials	SrTiO <sub>3</sub> Nanocuboids from a Lamellar Microemulsion	
A4543	Chemistry of materials	Superstructure of Mullite-type KAl <sub>9</sub> O <sub>14</sub>	
A4544	Chemistry of materials	The Zeolite Conundrum Why Are There so Many Hypothetical Zeolites and so Few Observed A Possible Answer from the ZeoliteType Frameworks Perceived As Packings of Tiles	
A4545	Chemistry of materials	Thermal Variation of Structure and Electrical Conductivity in Bi <sub>4</sub> YbO <sub>7.5</sub>	
A4546	Chemistry of materials	D to 2D Routes to Ultrathin and Expanded Zeolitic 3 Materials	
A4547	Chemistry of materials	Nanocatalysts in Fuel Cells An Aberration-Corrected STEM Pt <sub>3</sub> CoAtomic Structure and Composition HAADF Study	
A4548	Chemistry of materials	Bioresponsive Controlled Drug Release Based on Mesoporous Silica Nanoparticles Coated with Reductively Sheddable Polymer Shell	
A4549	Chemistry of materials	Chemo-Mechanically Regulated Oscillation of an Enzymatic Reaction	

A4550	Chemistry of materials	Direct Atomic Observation in Powdered 4H-Ba <sub>0.8</sub> Sr <sub>0.2</sub> Mn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>2.7</sub>	
A4551	Chemistry of materials	Electrodeposited Light-Emitting Nanojunctions	
A4553	Chemistry of materials	Growth Mechanism of Gold Nanorods	
A4557	Chemistry of materials	Radical Chemistry from Diazonium-Terminated Surfaces	
A4559	Chemistry of materials	Two-Dimensional Growth of CdSe Nanocrystals, from Nanoplatelets to Nanosheets	
A4560	Chemistry of materials	Vapor Phase Conversion Synthesis of Higher Manganese Silicide (MnSi <sub>1.75</sub> ) Nanowire Arrays for Thermoelectric Applications	
A4561	Chemistry of materials	Vapor-Phase Transport as A Novel Route to Hyperbranched Polyamine-Oxide Hybrid Materials	
A4563	Chemistry of materials	Bistability of Fc-PTM-Based Dyads The Role of the Donor Strength	
A4565	Chemistry of materials	Controlling Growth of Ultrasmall Sub-10 nm Fluorescent Mesoporous Silica Nanoparticles	
A4567	Chemistry of materials	Converting an Electrical Insulator into a Dielectric Capacitor EndCapping Polystyrene with Oligoaniline	
A4570	Chemistry of materials	Growth Inhibitor To Homogenize Nucleation and Obtain Smooth HfB <sub>2</sub> Thin Films by Chemical Vapor Deposition	
A4573	Chemistry of materials	Molecular Tailoring of New Thieno(bis)imide-Based Semiconductors for Single Layer Ambipolar Light Emitting Transistors	
A4574	Chemistry of materials	Non-equilibrium Structural Evolution of the Lithium-Rich .Li <sub>1+y</sub> Mn <sub>2</sub> O <sub>4</sub> Cathode within a Battery	
A4575	Chemistry of materials	Quenching Performance of Surfactant-Containing and SurfactantFree Fluorophore-Doped Mesoporous Silica Films for Nitroaromatic Compound Detection	
A4576	Chemistry of materials	Role of Solution Chemistry in Determining the Morphology and Photoconductivity of Electrodeposited Cuprous Oxide Films	
A4577	Chemistry of materials	Scalable Synthesis of Fused Thiophene-Diketopyrrolopyrrole Semiconducting Polymers Processed from Nonchlorinated Solvents into High Performance Thin Film Transistors	
A4578	Chemistry of materials	Self-Assembled Monolayers Based Upon a Zirconium Phosphate Platform	
A4580	Chemistry of materials	Temperature Dependence of Aliovalent-Vanadium Doping in LiFePO <sub>4</sub> Cathodes	
A4581	Chemistry of materials	Water Sorption Cycle Measurements on Functionalized MIL-101Cr for Heat Transformation Application	
A4584	Chemistry of materials	Chiral Gold and Silver Nanoclusters Preparation, Size Selection, and Chiroptical Properties	
A4586	Chemistry of materials	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis	

A4587	Chemistry of materials	Cubic Cesium Hydrogen Silicododecatungstate with Anisotropic Morphology and Polyoxometalate Vacancies Exhibiting Selective Water Sorption and Cation-Exchange Properties	
A4589	Chemistry of materials	Graphene Growth Dynamics on Epitaxial Copper Thin Films	
A4591	Chemistry of materials	Insights into the Topotactic Conversion Process from Layered Silicate RUB-36 to FER-type Zeolite by Layer Reassembly	
A4592	Chemistry of materials	Microporous Functionalized Triazine-Based Polyimides with High CO <sub>2</sub> Capture Capacity	
A4595	Chemistry of materials	Rational Design of Nickel Phosphide Hydrodesulfurization Catalysts Controlling Particle Size and Preventing Sintering	
A4598	Chemistry of materials	Sonochemically Generated Air-Stable Bimetallic Nanopowders of Group 4 Transition Metals with Aluminum	
A4599	Chemistry of materials	Spin and Dipole Ordering in Ni <sub>2</sub> InSbO <sub>6</sub> and Ni <sub>2</sub> ScSbO <sub>6</sub> with Corundum-Related Structure	
A4600	Chemistry of materials	Stabilization of Self-Assembled Alumina Mesophases	
A4603	Chemistry of materials	Synthesis of Structured Porous Polymers with Acid and Basic Sites and Their Catalytic Application in Cascade-Type Reactions	
A4604	Chemistry of materials	Top-Down Synthesis of Open Framework Fluoride for Lithium and Sodium Batteries	
A4605	Chemistry of materials	Transition Metal Ion-Chelating Ordered Mesoporous Carbons as Noble Metal-Free Fuel Cell Catalysts	
A4606	Chemistry of materials	A Surface Defect-Promoted Ni Nanocatalyst with Simultaneously Enhanced Activity and Stability	
A4608	Chemistry of materials	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes	
A4609	Chemistry of materials	Cubic Silica-Coated and Amine-Functionalized FeCo Nanoparticles with High Saturation Magnetization	
A4611	Chemistry of materials	Giant Faraday Rotation in Mesogenic Organic Molecules	
A4612	Chemistry of materials	Hierarchical Orientation of Crystallinity by Block-Copolymer Patterning and Alignment in an Electric Field	
A4613	Chemistry of materials	High performance Li <sub>2</sub> RU <sub>1-y</sub> Mn <sub>y</sub> O <sub>3</sub> (0.2 ≤ y ≤ 0.8) cathode materials for rechargeable lithium ion batteries their understanding	
A4614	Chemistry of materials	Highly Fluorescent and Stable Quantum Dot-Polymer-Layered Double Hydroxide Composites	
A4615	Chemistry of materials	Hydrothermal Synthesis and Electrochemical Properties of LiC Nanospheres <sub>2</sub> CoSiO <sub>4</sub>	
A4616	Chemistry of materials	In Situ and Real Time Characterization of Spontaneous Grafting of Aryldiazonium Salts at Carbon Surfaces	
A4619	Chemistry of materials	Surface Chemistry and Interface Formation during the Atomic Layer Deposition of Alumina from	

		Trimethylaluminum and Water on Indium Phosphide	
A4620	Chemistry of materials	Transient Phase Change in Two Phase Reaction between LiFePO <sub>4</sub> and FePO <sub>4</sub> under Battery Operation	
A4621	Chemistry of materials	A Solution NMR Toolbox for Characterizing the Surface Chemistry of Colloidal Nanocrystals	
A4623	Chemistry of materials	Advances in the Colloidal Synthesis of Two-Dimensional Semiconductor Nanoribbons	
A4624	Chemistry of materials	Atomic Ligand Passivation of Colloidal Nanocrystal Films via their Reaction with Propyltrichlorosilane	
A4625	Chemistry of materials	Chemical Mechanisms of Semiconductor Nanocrystal Synthesis	
A4626	Chemistry of materials	Chemical, Structural, and Quantitative Analysis of the Ligand Shells of Colloidal Quantum Dots	
A4627	Chemistry of materials	Chemistry of Doped Colloidal Nanocrystals	
A4629	Chemistry of materials	Controlled Synthesis of CdSe Tetrapods with High Morphological Uniformity by the Persistent Kinetic Growth and the Halide-Mediated Phase Transformation	
A4630	Chemistry of materials	Conversion Reactions of Cadmium Chalcogenide Nanocrystal Precursors	
A4631	Chemistry of materials	Dual-Emitting Nanoscale Temperature Sensors	
A4632	Chemistry of materials	Experimental Validation of the Geometrical Selection Model for Hydrothermally Grown Zinc Oxide Nanowire Arrays	
A4633	Chemistry of materials	Fabrication of Arrays of Lead Zirconate Titanate (PZT) Nanodots via Block Copolymer Self-Assembly	
A4634	Chemistry of materials	Facile Synthesis of Germanium Nanoparticles with Size Control Microwave versus Conventional Heating	
A4635	Chemistry of materials	Facile Synthesis of Monodisperse Maghemite and Ferrite Nanocrystals from Metal Powder and Octanoic Acid	
A4636	Chemistry of materials	Fine Tuning of the Longitudinal Plasmon Resonance of Gold Nanorods by Depleting Gold Precursor	
A4637	Chemistry of materials	Flat Colloidal Semiconductor Nanoplatelets	
A4638	Chemistry of materials	Halide Anions as Shape-Directing Agents for Obtaining High-Quality Anisotropic Gold Nanostructures	
A4639	Chemistry of materials	Heterostructuring Nanocrystal Quantum Dots Toward Intentional Suppression of Blinking and Auger Recombination	
A4640	Chemistry of materials	High-Temperature Solution-Phase Syntheses of Metal-Oxide Nanocrystals	
A4641	Chemistry of materials	High-Yield Synthesis of Gold Nanorods with Longitudinal SPR Peak Greater than 1200 nm Using Hydroquinone as a Reducing Agent	
A4643	Chemistry of materials	Imaging Impurities in Semiconductor Nanostructures	
A4644	Chemistry of materials	Length and Diameter Control of Ultrathin Nanowires of Substoichiometric Tungsten Oxide with Insights into the Growth Mechanism	

A4645	Chemistry of materials	Mid-IR Colloidal Nanocrystals	
A4646	Chemistry of materials	Preface to the Chemistry of Materials Special Issue Synthetic and Mechanistic Advances in Nanocrystal Growth	
A4647	Chemistry of materials	PtSn Intermetallic, CoreShell and Alloy Nanoparticles Colloidal Synthesis and Structural Control	
A4649	Chemistry of materials	Size-Dependent Anatase to Rutile Phase Transformation and Particle Growth	
A4650	Chemistry of materials	Synthesis of Ultrasmall and Magic-Sized CdSe Nanocrystals	
A4651	Chemistry of materials	The Quest for Shape Control A History of Gold Nanorod Synthesis	

### لیست مجلات فارسی

ردیف	
	یک
	پ
	رایه
	ه
	پ
	ه دی
	ک
	اه هک کیپ
	پای ذیه
	ه زی وژی هایوید ای
	اه ه ی