

Baohong Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184 papers	6,871 citations	46 h-index	75 g-index
191 ext. papers	7,727 ext. citations	7 avg, IF	5.9 L-index

#	Paper	IF	Citations
184	Self-assembled plasmonic nanoarrays for enhanced bacterial identification and discrimination. <i>Biosensors and Bioelectronics</i> , 2022 , 197, 113778	11.8	6
183	A Rational Designed Bioorthogonal Surface-Enhanced Raman Scattering Nanoprobe for Quantitatively Visualizing Endogenous Hydrogen Sulfide in Single Living Cells.. <i>ACS Sensors</i> , 2022 ,	9.2	3
182	Monodispersed silver-gold nanorods controllable etching for ultrasensitive SERS detection of hydrogen peroxide-involved metabolites.. <i>Talanta</i> , 2022 , 243, 123382	6.2	1
181	MOF-derived RuCoP nanoparticles-embedded nitrogen-doped polyhedron carbon composite for enhanced water splitting in alkaline media.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 803-812	9.3	2
180	In situ ratiometric SERS imaging of intracellular protease activity for subtype discrimination of human breast cancer.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114194	11.8	3
179	Single Biomolecule Imaging by Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17910-17914	16.4	26
178	Mesoporous Silica as Sorbents and Enzymatic Nanoreactors for Microbial Membrane Proteomics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11571-11578	9.5	4
177	Lab in a tube: Isolation, extraction, and isothermal amplification detection of exosomal long noncoding RNA of gastric cancer. <i>Talanta</i> , 2021 , 225, 122090	6.2	7
176	Direct MALDI-TOF profiling of gingival crevicular fluid sediments for periodontitis diagnosis. <i>Talanta</i> , 2021 , 225, 121956	6.2	1
175	Transpeptidation-mediated single-particle imaging assay for sensitive and specific detection of sortase with dark-field optical microscopy. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113003	11.8	2
174	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. <i>Small</i> , 2021 , 17, e2007971	11.1	20
173	An electrochemiluminescence sensor for 17 β -estradiol detection based on resonance energy transfer in FeOOH@CdS/Ag NCs. <i>Talanta</i> , 2021 , 221, 121479	6.2	6
172	Amorphous phosphatized ruthenium-iron bimetallic nanoclusters with Pt-like activity for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119583	21.8	27
171	Microfluidic filter device coupled mass spectrometry for rapid bacterial antimicrobial resistance analysis. <i>Analyst, The</i> , 2021 , 146, 515-520	5	4
170	Mass Spectrometry Imaging of Mass Tag Immunoassay Enables the Quantitative Profiling of Biomarkers from Dozens of Exosomes. <i>Analytical Chemistry</i> , 2021 , 93, 709-714	7.8	15
169	Self-Assembled Au Nanoparticle Arrays for Precise Metabolic Assay of Cerebrospinal Fluid. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4886-4893	9.5	17
168	SERS and MALDI-TOF MS based plasma exosome profiling for rapid detection of osteosarcoma. <i>Analyst, The</i> , 2021 , 146, 6496-6505	5	7

167	Quantitative Single-Particle Fluorescence Imaging Elucidates Semiconductor Shell Influence on Ag@TiO Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7680-7687	9.5	2
166	Dual-modality loop-mediated isothermal amplification for pretreatment-free detection of Septin9 methylated DNA in colorectal cancer. <i>Mikrochimica Acta</i> , 2021 , 188, 307	5.8	1
165	Assessment of bacterial viability by laser desorption ionization mass spectrometry for antimicrobial susceptibility testing. <i>Talanta</i> , 2021 , 233, 122535	6.2	1
164	Highly efficient sub-nanometer RuCuP nanoclusters designed for hydrogen evolution under alkaline media. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 222-231	9.3	0
163	Iodide-modified Ag nanoparticles coupled with DSN-Assisted cycling amplification for label-free and ultrasensitive SERS detection of MicroRNA-21. <i>Talanta</i> , 2021 , 235, 122728	6.2	4
162	Surface Plasmon Coupling Electrochemiluminescence Immunosensor Based on Polymer Dots and AuNPs for Ultrasensitive Detection of Pancreatic Cancer Exosomes.. <i>Analytical Chemistry</i> , 2021 ,	7.8	7
161	Plasmonic Colloidosome-Coupled MALDI-TOF MS for Bacterial Heteroresistance Study at Single-Cell Level. <i>Analytical Chemistry</i> , 2020 , 92, 8051-8057	7.8	10
160	Construction of Dual-Color Probes with Target-Triggered Signal Amplification for Single-Molecule Imaging of MicroRNA. <i>ACS Nano</i> , 2020 , 14, 8116-8125	16.7	39
159	Simultaneous and ultrasensitive detection of multiple microRNAs by single-molecule fluorescence imaging. <i>Chemical Science</i> , 2020 , 11, 3812-3819	9.4	21
158	A Biomimetic Plasmonic Nanoreactor for Reliable Metabolite Detection. <i>Advanced Science</i> , 2020 , 7, 1903730	17.3	37
157	Water-in-oil microcompartments for the study of biomimetic drug metabolism. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 378-385	9.3	1
156	Sensitive electrochemical aptasensor for detecting EpCAM with silica nanoparticles and quantum dots for signal amplification. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 856, 113655	4.1	6
155	An Ordered Mesoporous Carbon Nanofiber Array for the Sensitive Electrochemical Detection of Malachite Green. <i>ChemElectroChem</i> , 2020 , 7, 659-664	4.3	7
154	Ultrasensitive amplification-free detection of protein kinase based on catalyzed assembly and enumeration of gold nanoparticles. <i>Chemical Communications</i> , 2019 , 55, 2505-2508	5.8	3
153	Nanoporous silica coupled MALDI-TOF MS detection of Bence-Jones proteins in human urine for diagnosis of multiple myeloma. <i>Talanta</i> , 2019 , 200, 288-292	6.2	15
152	Single-Molecule Fluorescence Imaging for Ultrasensitive DNA Methyltransferase Activity Measurement and Inhibitor Screening. <i>Analytical Chemistry</i> , 2019 , 91, 9500-9507	7.8	14
151	MALDI-TOF Characterization of Protein Expression Mutation During Morphological Changes of Bacteria Under the Impact of Antibiotics. <i>Analytical Chemistry</i> , 2019 , 91, 2352-2359	7.8	10
150	Direct SERS tracking of a chemical reaction at a single 13nm gold nanoparticle. <i>Chemical Science</i> , 2019 , 10, 1741-1745	9.4	14

- 149 Plasmonic Colloidosome-Based Multifunctional Platform for Bacterial Identification and Antimicrobial Resistance Detection. *Analytical Chemistry*, **2019**, 91, 14220-14225 7.8 11
- 148 Plasmonic Colloidosome-Based Single Cell Detector: A Strategy for Individual Cell Secretion Sensing. *Analytical Chemistry*, **2019**, 91, 2260-2265 7.8 7
- 147 Iron Phthalocyanine Decorated Nitrogen-Doped Graphene Biosensing Platform for Real-Time Detection of Nitric Oxide Released from Living Cells. *Analytical Chemistry*, **2018**, 90, 4438-4444 7.8 53
- 146 TiO-Assisted Laser Desorption/Ionization Mass Spectrometry for Rapid Profiling of Candidate Metabolite Biomarkers from Antimicrobial-Resistant Bacteria. *Analytical Chemistry*, **2018**, 90, 3863-3870 7.8 26
- 145 Quantitative SERS Detection of Dopamine in Cerebrospinal Fluid by Dual-Recognition-Induced Hot Spot Generation. *ACS Applied Materials & Interfaces*, **2018**, 10, 15388-15394 9.5 38
- 144 Detection of antimicrobial resistance-associated proteins by titanium dioxide-facilitated intact bacteria mass spectrometry. *Chemical Science*, **2018**, 9, 2212-2221 9.4 31
- 143 On-Chip Spyhole Nanoelectrospray Ionization Mass Spectrometry for Sensitive Biomarker Detection in Small Volumes. *Journal of the American Society for Mass Spectrometry*, **2018**, 29, 1538-1545 3.5 10
- 142 Detection of Pathogenic Microorganisms by Microfluidics Based Analytical Methods. *Analytical Chemistry*, **2018**, 90, 5512-5520 7.8 65
- 141 Ultrasensitive profiling of multiple biomarkers from single cells by signal amplification mass spectrometry. *Chemical Communications*, **2018**, 54, 9659-9662 5.8 18
- 140 Three-Dimensional Plasmonic Trap Array for Ultrasensitive Surface-Enhanced Raman Scattering Analysis of Single Cells. *Analytical Chemistry*, **2018**, 90, 10394-10399 7.8 16
- 139 Single Molecule Fluorescent Colocalization of Split Aptamers for Ultrasensitive Detection of Biomolecules. *Analytical Chemistry*, **2018**, 90, 9315-9321 7.8 24
- 138 Amphiphilic mesoporous graphene mediated efficient photoionic cell. *Carbon*, **2018**, 128, 134-137 10.4 2
- 137 Mesoporous Silica for Triphase Nucleophilic Substitution Reactions. *Chimia*, **2018**, 72, 514-517 1.3
- 136 Nanoscale tracking plasmon-driven photocatalysis in individual nanojunctions by vibrational spectroscopy. *Nanoscale*, **2018**, 10, 21742-21747 7.7 4
- 135 Identification of pathogenic bacteria in human blood using IgG-modified FeO magnetic beads as a sorbent and MALDI-TOF MS for profiling. *Mikrochimica Acta*, **2018**, 185, 542 5.8 21
- 134 On-demand quantitative SERS bioassays facilitated by surface-tethered ratiometric probes. *Chemical Science*, **2018**, 9, 8089-8093 9.4 27
- 133 Advances in signal amplification strategies for electrochemical biosensing. *Current Opinion in Electrochemistry*, **2018**, 12, 5-12 7.2 18
- 132 Electrostatic Spray Ionization from 384-Well Microtiter Plates for Mass Spectrometry Analysis-Based Enzyme Assay and Drug Metabolism Screening. *Analytical Chemistry*, **2017**, 89, 5983-5990 7.8 6

131	Photochemical Bionanoreactor for Efficient Visible-Light-Driven in Vitro Drug Metabolism. <i>Analytical Chemistry</i> , 2017 , 89, 7365-7372	7.8	8
130	Aptamer entrapment in microfluidic channel using one-step sol-gel process, in view of the integration of a new selective extraction phase for lab-on-a-chip. <i>Electrophoresis</i> , 2017 , 38, 2456-2461	3.6	6
129	Plasmonic nanoshells enhanced laser desorption/ionization mass spectrometry for detection of serum metabolites. <i>Analytica Chimica Acta</i> , 2017 , 950, 147-155	6.6	49
128	Rapid Enrichment and Sensitive Detection of Multiple Metal Ions Enabled by Macroporous Graphene Foam. <i>Analytical Chemistry</i> , 2017 , 89, 11758-11764	7.8	23
127	Magnetic-Immuno-Loop-Mediated Isothermal Amplification Based on DNA Encapsulating Liposome for the Ultrasensitive Detection of P-glycoprotein. <i>Scientific Reports</i> , 2017 , 7, 9312	4.9	5
126	Bacterial Whole Cell Typing by Mass Spectra Pattern Matching with Bootstrapping Assessment. <i>Analytical Chemistry</i> , 2017 , 89, 12556-12561	7.8	14
125	In-tip nanoreactors for cancer cells proteome profiling. <i>Analytica Chimica Acta</i> , 2017 , 949, 43-52	6.6	7
124	Coupling shell-isolated nanoparticle enhanced Raman spectroscopy with paper chromatography for multi-components on-site analysis. <i>Talanta</i> , 2017 , 162, 52-56	6.2	13
123	Sensitive and fast beverage/fruit antioxidant evaluation by TiO ₂ -Au/graphene nanocomposites coupled with MALDI-MS. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30 Suppl 1, 128-32	2.2	6
122	Self-aspiration sampling extractive electrospray ionization mass spectrometry (EESI-MS) for high-throughput analysis of liquid samples. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30 Suppl 1, 56-61	2.2	1
121	A dual-signaling strategy for ultrasensitive detection of bisphenol A by aptamer-based electrochemical biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 265-271	4.1	18
120	Microfluidic Air Sampler for Highly Efficient Bacterial Aerosol Collection and Identification. <i>Analytical Chemistry</i> , 2016 , 88, 11504-11512	7.8	17
119	Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection. <i>Advanced Functional Materials</i> , 2016 , 26, 4016-4025	15.6	81
118	High-Resolution and Universal Visualization of Latent Fingerprints Based on Aptamer-Functionalized Core-Shell Nanoparticles with Embedded SERS Reporters. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14389-95	9.5	48
117	Mass Barcode Signal Amplification for Multiplex Allergy Diagnosis by MALDI-MS. <i>Analytical Chemistry</i> , 2016 , 88, 6184-9	7.8	27
116	Ultrasensitive Detection of Low-Abundance Protein Biomarkers by Mass Spectrometry Signal Amplification Assay. <i>Analytical Chemistry</i> , 2016 , 88, 6767-72	7.8	28
115	Sensitive and label-free quantification of cellular biothiols by competitive surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2016 , 152, 196-202	6.2	14
114	A Bonded Double-Doped Graphene Nanoribbon Framework for Advanced Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16649-55	9.5	12

113	Polydopamine Grafted Porous Graphene as Biocompatible Nanoreactor for Efficient Identification of Membrane Proteins. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6363-70	9.5	16
112	Ambient ionization based on mesoporous graphene coated paper for therapeutic drug monitoring. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1015-1016, 142-149	3.2	19
111	On-Chip Mesoporous Functionalized Magnetic Microspheres for Protein Sequencing by Extended Bottom-up Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 1775-84	7.8	14
110	A three-dimensional silver nanoparticles decorated plasmonic paper strip for SERS detection of low-abundance molecules. <i>Talanta</i> , 2016 , 147, 493-500	6.2	67
109	Synthetic Alloys: Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection (Adv. Funct. Mater. 22/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 3750-3750	15.6	1
108	Synthesis of micro-sized shell-isolated 3D plasmonic superstructures for in situ single-particle SERS monitoring. <i>Nanoscale</i> , 2016 , 8, 7871-5	7.7	11
107	Target induced interfacial self-assembly of nanoparticles: A new platform for reproducible quantification of copper ions. <i>Talanta</i> , 2016 , 158, 254-261	6.2	8
106	An electrochemical sensor for selective detection of dopamine based on nickel tetrasulfonated phthalocyanine functionalized nitrogen-doped graphene nanocomposites. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 92-98	4.1	53
105	Mo2C/Reduced-Graphene-Oxide Nanocomposite: An Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2016 , 3, 2110-2115	4.3	25
104	Electrocatalysis of both oxygen reduction and water oxidation using a cost-effective three-dimensional MnO2/graphene/carbon nanotube. <i>RSC Advances</i> , 2015 , 5, 26710-26715	3.7	25
103	Porous silica enhanced proteolysis during Off-Gel separation for efficient protein identification. <i>Talanta</i> , 2015 , 144, 1182-8	6.2	
102	Multifunctional Paper Strip Based on Self-Assembled Interfacial Plasmonic Nanoparticle Arrays for Sensitive SERS Detection. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16767-74	9.5	66
101	Designer SiO ₂ @Au nanoshells towards sensitive and selective detection of small molecules in laser desorption ionization mass spectrometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1715-23	6	32
100	Label-free Aptasensor based on Electrodeposition of Gold Nanoparticles on Graphene and Its Application in the Quantification of Adenosine Triphosphate. <i>Electrochimica Acta</i> , 2015 , 172, 88-93	6.7	19
99	A label-free fluorescent molecular switch for a DNA hybridization assay utilizing a G-quadruplex-selective auramine O. <i>Chemical Communications</i> , 2015 , 51, 8622-5	5.8	22
98	Multifunctional nanoreactor for comprehensive characterization of membrane proteins based on surface functionalized mesoporous foams. <i>Analytical Chemistry</i> , 2015 , 87, 9360-7	7.8	12
97	Ambient in situ analysis and imaging of both hydrophilic and hydrophobic thin layer chromatography plates by electrostatic spray ionization mass spectrometry. <i>RSC Advances</i> , 2015 , 5, 75395-75402	3.7	8
96	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 438-44	11.8	72

95	Carbon nanotube/gold nanoparticle composite-coated membrane as a facile plasmon-enhanced interface for sensitive SERS sensing. <i>Analyst, The</i> , 2015 , 140, 134-9	5	39
94	Facile preparation of N-doped mesocellular graphene foam from sludge flocs for highly efficient oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15171-15176	13	38
93	Quantitative label-free and real-time surface-enhanced Raman scattering monitoring of reaction kinetics using self-assembled bifunctional nanoparticle arrays. <i>Analytical Chemistry</i> , 2015 , 87, 8702-8	7.8	28
92	High-efficiency nano/micro-reactors for protein analysis. <i>RSC Advances</i> , 2015 , 5, 1331-1342	3.7	31
91	Protein-inorganic hybrid nanoflowers as ultrasensitive electrochemical cytosensing interfaces for evaluation of cell surface sialic acid. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 329-335	11.8	82
90	Efficient drug metabolism strategy based on microsome-mesoporous organosilica nanoreactors. <i>Analytical Chemistry</i> , 2014 , 86, 10870-6	7.8	11
89	Nanoporous molybdenum carbide wires as an active electrocatalyst towards the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10088-94	3.6	38
88	A nanoporous molybdenum carbide nanowire as an electrocatalyst for hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2014 , 7, 387-392	35.4	841
87	Interfacial self-assembled functional nanoparticle array: a facile surface-enhanced Raman scattering sensor for specific detection of trace analytes. <i>Analytical Chemistry</i> , 2014 , 86, 6660-5	7.8	57
86	Janus graphene hybrids: 2D monodispersed gold nanoarrays on graphene with controlled structure and high stability 2014 ,		1
85	Floating conductive catalytic nano-rafts at soft interfaces for hydrogen evolution. <i>Chemical Science</i> , 2013 , 4, 3432	9.4	67
84	Low-cost industrially available molybdenum boride and carbide as "platinum-like" catalysts for the hydrogen evolution reaction in biphasic liquid systems. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2847-57	3.6	125
83	Amino-functionalized macroporous silica for efficient tryptic digestion in acidic solutions. <i>Proteomics</i> , 2013 , 13, 3117-23	4.8	9
82	Peptide-tight ESI/MSn analysis with segment of liquid chromatography effluent. <i>Analytical Methods</i> , 2013 , 5, 3371	3.2	2
81	Size-dependent cellular uptake efficiency, mechanism, and cytotoxicity of silica nanoparticles toward HeLa cells. <i>Talanta</i> , 2013 , 107, 408-15	6.2	123
80	MoS ₂ Formed on Mesoporous Graphene as a Highly Active Catalyst for Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2013 , 23, 5326-5333	15.6	605
79	A Sensitive Microchip-Based Immunosensor for Electrochemical Detection of Low-Level Biomarker S100B. <i>Electroanalysis</i> , 2013 , 25, 1050-1055	3	13
78	Electrochemical detection of the activities of thrombin and its inhibitor. <i>Electrochemistry Communications</i> , 2012 , 16, 53-56	5.1	17

77	Nanocomposites of palladium nanoparticle-loaded mesoporous carbon nanospheres for the electrochemical determination of hydrogen peroxide. <i>Talanta</i> , 2012 , 99, 256-61	6.2	56
76	Nanocomposite of MoS ₂ on ordered mesoporous carbon nanospheres: A highly active catalyst for electrochemical hydrogen evolution. <i>Electrochemistry Communications</i> , 2012 , 22, 128-132	5.1	132
75	Periodic mesoporous organosilica as a multifunctional nanodevice for large-scale characterization of membrane proteins. <i>Analytical Chemistry</i> , 2012 , 84, 5809-15	7.8	22
74	Electrochemistry and biosensing activity of cytochrome c immobilized on a mesoporous interface assembled from carbon nanospheres. <i>Mikrochimica Acta</i> , 2012 , 178, 277-283	5.8	13
73	pH-controlled delivery of doxorubicin to cancer cells, based on small mesoporous carbon nanospheres. <i>Small</i> , 2012 , 8, 2715-20	11	151
72	Copper-catalyzed tyrosine nitration. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19823-31	16.4	54
71	Bicontinuous gyroidal mesoporous carbon matrix for facilitating protein electrochemical and bioelectrocatalytic performances. <i>Talanta</i> , 2011 , 83, 1507-14	6.2	15
70	Bio-electrocatalysis of NADH and ethanol based on graphene sheets modified electrodes. <i>Talanta</i> , 2011 , 85, 1174-9	6.2	75
69	Small mesoporous silica nanoparticles as carriers for enhanced photodynamic therapy. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2332-8	4.5	22
68	Electrochemistry and biosensing activity of cytochrome c immobilized in macroporous materials. <i>Mikrochimica Acta</i> , 2011 , 175, 87-95	5.8	24
67	TiO ₂ -functionalized mesoporous materials for sensitive analysis of multi-phosphopeptides. <i>Science China Chemistry</i> , 2011 , 54, 1327-1333	7.9	3
66	Ga ₂ O ₃ photocatalyzed on-line tagging of cysteine to facilitate peptide mass fingerprinting. <i>Proteomics</i> , 2011 , 11, 3501-9	4.8	11
65	Characterization of efficient proteolysis by trypsin loaded macroporous silica. <i>Molecular BioSystems</i> , 2011 , 7, 2890-8		15
64	An aptamer-BWNT biosensor for sensitive detection of protein via mediated signal transduction. <i>Electrochemistry Communications</i> , 2011 , 13, 707-710	5.1	13
63	Nanomaterial-assisted laser desorption/ionization for mass spectrometry-based biomedical analysis. <i>Nanomedicine</i> , 2010 , 5, 1641-52	5.6	22
62	Electrochemical aspects of electrospray and laser desorption/ionization for mass spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2010 , 3, 231-54	12.5	36
61	Functionalized periodic mesoporous organosilicas for enhanced and selective peptide enrichment. <i>Langmuir</i> , 2010 , 26, 7444-50	4	34
60	Improvement of proteolytic efficiency towards low-level proteins by an antifouling surface of alumina gel in a microchannel. <i>Lab on A Chip</i> , 2010 , 10, 2887-93	7.2	22

59	Controlling the specific enrichment of multi-phosphorylated peptides on oxide materials: aluminium foil as a target plate for laser desorption ionization mass spectrometry. <i>Chemical Science</i> , 2010 , 1, 374	9.4	24
58	Electrochemical reactions and ionization processes. <i>European Journal of Mass Spectrometry</i> , 2010 , 16, 341-9	1.1	11
57	Electrochemistry of nanozeolite-immobilized cytochrome c in aqueous and nonaqueous solutions. <i>Langmuir</i> , 2010 , 26, 9076-81	4	14
56	Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. <i>Science China Chemistry</i> , 2010 , 53, 685-694	7.9	5
55	A smart glycol-directed nanodevice from rationally designed macroporous materials. <i>Chemistry - A European Journal</i> , 2010 , 16, 822-8	4.8	32
54	Microfluidic chip-based aptasensor for amplified electrochemical detection of human thrombin. <i>Electrochemistry Communications</i> , 2010 , 12, 258-261	5.1	55
53	TiO(2)-modified macroporous silica foams for advanced enrichment of multi-phosphorylated peptides. <i>Chemistry - A European Journal</i> , 2009 , 15, 2504-8	4.8	57
52	Photocatalytic redox reactions for in-source peptide fragmentation. <i>Chemistry - A European Journal</i> , 2009 , 15, 6711-7	4.8	15
51	Electrocatalytic oxidation of NADH at mesoporous carbon modified electrodes. <i>Mikrochimica Acta</i> , 2009 , 167, 75-79	5.8	22
50	Electrochemistry and biosensing of glucose oxidase immobilized on Pt-dispersed mesoporous carbon. <i>Mikrochimica Acta</i> , 2009 , 167, 109-116	5.8	28
49	Microchip-based ELISA strategy for the detection of low-level disease biomarker in serum. <i>Analytica Chimica Acta</i> , 2009 , 650, 77-82	6.6	73
48	An aptamer-based biosensor for sensitive thrombin detection. <i>Electrochemistry Communications</i> , 2009 , 11, 38-40	5.1	87
47	Electrocatalytic oxidation of NADH based on bicontinuous gyroidal mesoporous carbon with low overpotential. <i>Electrochemistry Communications</i> , 2009 , 11, 227-230	5.1	25
46	A phospho-directed macroporous alumina-silica nanoreactor with multi-functions. <i>ACS Nano</i> , 2009 , 3, 3656-62	16.7	67
45	Kinetics of proteolytic reactions in nanoporous materials. <i>Journal of Proteome Research</i> , 2009 , 8, 4685-93	3.6	46
44	Electrochemistry and biosensing of glucose oxidase based on mesoporous carbons with different spatially ordered dimensions. <i>Talanta</i> , 2009 , 78, 705-10	6.2	60
43	A novel near-infrared protein assay based on the dissolution and aggregation of aptamer-wrapped single-walled carbon nanotubes. <i>Chemical Communications</i> , 2009 , 5006-8	5.8	20
42	TiO(2) printed aluminum foil: single-use film for a laser desorption/ionization target plate. <i>Analytical Chemistry</i> , 2009 , 81, 1177-83	7.8	44

41	Macroporous materials as novel catalysts for efficient and controllable proteolysis. <i>Analytical Chemistry</i> , 2009 , 81, 5749-56	7.8	53
40	TiO ₂ -assisted silver enhanced biosensor for kinase activity profiling. <i>Chemical Communications</i> , 2009 , 1508-10	5.8	71
39	In-source photocatalytic reduction of disulfide bonds during laser desorption ionization. <i>Chemical Communications</i> , 2008 , 6357-9	5.8	19
38	Proteins in Mesoporous Silicates. <i>ACS Symposium Series</i> , 2008 , 49-60	0.4	5
37	Enhanced protein digestion through the confinement of nanozeolite-assembled microchip reactors. <i>Analytical Chemistry</i> , 2008 , 80, 2457-63	7.8	65
36	Microfluidic enzymatic reactors for proteome research. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 227-9	4.4	13
35	Sensitive voltammetric detection of clomipramine at 16-mercapto-hexadecanoic acid self-assembled monolayer modified gold electrode. <i>Mikrochimica Acta</i> , 2008 , 161, 149-155	5.8	8
34	Trypsin entrapped in poly(diallyldimethylammonium chloride) silica sol-gel microreactor coupled to matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1257-64	2.2	21
33	A nanoporous reactor for efficient proteolysis. <i>Chemistry - A European Journal</i> , 2008 , 14, 151-7	4.8	72
32	MALDI in-source photooxidation reactions for online peptide tagging. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2646-8	16.4	35
31	MALDI In-Source Photooxidation Reactions for Online Peptide Tagging. <i>Angewandte Chemie</i> , 2008 , 120, 2686-2688	3.6	3
30	Microfluidic immunosensor based on stable antibody-patterned surface in PMMA microchip. <i>Electrochemistry Communications</i> , 2008 , 10, 447-450	5.1	35
29	Direct electrochemistry of myoglobin based on bicontinuous gyroidal mesoporous carbon matrix. <i>Electrochemistry Communications</i> , 2008 , 10, 1864-1867	5.1	25
28	Specific on-plate enrichment of phosphorylated peptides for direct MALDI-TOF MS analysis. <i>Journal of Proteome Research</i> , 2007 , 6, 4763-9	5.6	86
27	Nanozeolite-assembled interface towards sensitive biosensing. <i>Electrochemistry Communications</i> , 2007 , 9, 1525-1529	5.1	24
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