Baohong Liu

List of Publications by Citations

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	A nanoporous molybdenum carbide nanowire as an electrocatalyst for hydrogen evolution reaction. *Energy and Environmental Science*, **2014**, 7, 387-392	35.4	841
183	MoS2 Formed on Mesoporous Graphene as a Highly Active Catalyst for Hydrogen Evolution. *Advanced Functional Materials*, **2013**, 23, 5326-5333	15.6	605
182	pH-controlled delivery of doxorubicin to cancer cells, based on small mesoporous carbon nanospheres. *Small*, **2012**, 8, 2715-20	11	151
181	Probing trace phenols based on mediator-free alumina sol--gel-derived tyrosinase biosensor. *Analytical Chemistry*, **2000**, 72, 4707-12	7.8	138
180	Nanocomposite of MoS2 on ordered mesoporous carbon nanospheres: A highly active catalyst for electrochemical hydrogen evolution. *Electrochemistry Communications*, **2012**, 22, 128-132	5.1	132
179	Low-cost industrially available molybdenum boride and carbide as "platinum-like" catalysts for the hydrogen evolution reaction in biphasic liquid systems. *Physical Chemistry Chemical Physics*, **2013**, 15, 2847-57	3.6	125
178	Size-dependent cellular uptake efficiency, mechanism, and cytotoxicity of silica nanoparticles toward HeLa cells. *Talanta*, **2013**, 107, 408-15	6.2	123
177	Multilayer-assembled microchip for enzyme immobilization as reactor toward low-level protein identification. *Analytical Chemistry*, **2006**, 78, 801-8	7.8	120
176	Characterization of immobilization of an enzyme in a modified Y zeolite matrix and its application to an amperometric glucose biosensor. *Analytical Chemistry*, **1997**, 69, 2343-8	7.8	111
175	Stable microstructured network for protein patterning on a plastic microfluidic channel: strategy and characterization of on-chip enzyme microreactors. *Analytical Chemistry*, **2004**, 76, 6426-33	7.8	95
174	An aptamer-based biosensor for sensitive thrombin detection. *Electrochemistry Communications*, **2009**, 11, 38-40	5.1	87
173	Specific on-plate enrichment of phosphorylated peptides for direct MALDI-TOF MS analysis. *Journal of Proteome Research*, **2007**, 6, 4763-9	5.6	86
172	Protein-inorganic hybrid nanoflowers as ultrasensitive electrochemical cytosensing interfaces for evaluation of cell surface sialic acid. *Biosensors and Bioelectronics*, **2015**, 68, 329-335	11.8	82
171	Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection. *Advanced Functional Materials*, **2016**, 26, 4016-4025	15.6	81
170	Bio-electrocatalysis of NADH and ethanol based on graphene sheets modified electrodes. *Talanta*, **2011**, 85, 1174-9	6.2	75
169	Microchip-based ELISA strategy for the detection of low-level disease biomarker in serum. *Analytica Chimica Acta*, **2009**, 650, 77-82	6.6	73
168	A sensitive mediator-free tyrosinase biosensor based on an inorganic–organic hybrid titania sol–gel matrix. *Analytica Chimica Acta*, **2003**, 489, 199-206	6.6	73

167	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. *Biosensors and Bioelectronics*, **2015**, 66, 438-44	11.8	72
166	A nanoporous reactor for efficient proteolysis. *Chemistry - A European Journal*, **2008**, 14, 151-7	4.8	72
165	TiO2-assisted silver enhanced biosensor for kinase activity profiling. *Chemical Communications*, **2009**, 1508-10	5.8	71
164	A three-dimensional silver nanoparticles decorated plasmonic paper strip for SERS detection of low-abundance molecules. *Talanta*, **2016**, 147, 493-500	6.2	67
163	Floating conductive catalytic nano-rafts at soft interfaces for hydrogen evolution. *Chemical Science*, **2013**, 4, 3432	9.4	67
162	A phospho-directed macroporous alumina-silica nanoreactor with multi-functions. *ACS Nano*, **2009**, 3, 3656-62	16.7	67
161	Multifunctional Paper Strip Based on Self-Assembled Interfacial Plasmonic Nanoparticle Arrays for Sensitive SERS Detection. *ACS Applied Materials & Interfaces*, **2015**, 7, 16767-74	9.5	66
160	Detection of Pathogenic Microorganisms by Microfluidics Based Analytical Methods. *Analytical Chemistry*, **2018**, 90, 5512-5520	7.8	65
159	Enhanced protein digestion through the confinement of nanozeolite-assembled microchip reactors. *Analytical Chemistry*, **2008**, 80, 2457-63	7.8	65
158	Gold nanoparticle assembly microfluidic reactor for efficient on-line proteolysis. *Molecular and Cellular Proteomics*, **2007**, 6, 1428-36	7.6	65
157	Titania and alumina sol-gel-derived microfluidics enzymatic-reactors for peptide mapping: design, characterization, and performance. *Journal of Proteome Research*, **2004**, 3, 1201-9	5.6	64
156	Electrochemistry and biosensing of glucose oxidase based on mesoporous carbons with different spatially ordered dimensions. *Talanta*, **2009**, 78, 705-10	6.2	60
155	Interfacial self-assembled functional nanoparticle array: a facile surface-enhanced Raman scattering sensor for specific detection of trace analytes. *Analytical Chemistry*, **2014**, 86, 6660-5	7.8	57
154	TiO(2)-modified macroporous silica foams for advanced enrichment of multi-phosphorylated peptides. *Chemistry - A European Journal*, **2009**, 15, 2504-8	4.8	57
153	Controlled nanozeolite-assembled electrode: remarkable enzyme-immobilization ability and high sensitivity as biosensor. *Chemistry - A European Journal*, **2006**, 12, 1137-43	4.8	57
152	. *Analytica Chimica Acta*, **1999**, 392, 135-141	6.6	57
151	Nanocomposites of palladium nanoparticle-loaded mesoporous carbon nanospheres for the electrochemical determination of hydrogen peroxide. *Talanta*, **2012**, 99, 256-61	6.2	56
150	Microfluidic chip-based aptasensor for amplified electrochemical detection of human thrombin. *Electrochemistry Communications*, **2010**, 12, 258-261	5.1	55

149	Copper-catalyzed tyrosine nitration. *Journal of the American Chemical Society*, **2011**, 133, 19823-31	16.4	54
148	Electrochemistry and biosensing reactivity of heme proteins adsorbed on the structure-tailored mesoporous Nb2O5 matrix. *Analytica Chimica Acta*, **2004**, 519, 31-38	6.6	54
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	Macroporous materials as novel catalysts for efficient and controllable proteolysis. *Analytical Chemistry*, **2009**, 81, 5749-56	7.8	53
145	Microfluidic enzymatic-reactors for peptide mapping: strategy, characterization, and performance. *Lab on A Chip*, **2004**, 4, 588-97	7.2	53
144	An electrochemical sensor for selective detection of dopamine based on nickel tetrasulfonated phthalocyanine functionalized nitrogen-doped graphene nanocomposites. *Journal of Electroanalytical Chemistry*, **2016**, 779, 92-98	4.1	53
143	Assembly-controlled biocompatible interface on a microchip: strategy to highly efficient proteolysis. *Chemistry - A European Journal*, **2006**, 12, 6585-91	4.8	50
142	Efficient proteolysis system: a nanozeolite-derived microreactor. *Small*, **2006**, 2, 1170-3	11	50
141	Plasmonic nanoshells enhanced laser desorption/ionization mass spectrometry for detection of serum metabolites. *Analytica Chimica Acta*, **2017**, 950, 147-155	6.6	49
140	High-Resolution and Universal Visualization of Latent Fingerprints Based on Aptamer-Functionalized Core-Shell Nanoparticles with Embedded SERS Reporters. *ACS Applied Materials & Interfaces*, **2016**, 8, 14389-95	9.5	48
139	Kinetics of proteolytic reactions in nanoporous materials. *Journal of Proteome Research*, **2009**, 8, 4685-92	3.6	46
138	TiO(2) printed aluminum foil: single-use film for a laser desorption/ionization target plate. *Analytical Chemistry*, **2009**, 81, 1177-83	7.8	44
137	Ultrathin alumina sol-gel-derived films: allowing direct detection of the liver fibrosis markers by capacitance measurement. *Analytical Chemistry*, **2003**, 75, 4578-84	7.8	42
136	Carbon nanotube/gold nanoparticle composite-coated membrane as a facile plasmon-enhanced interface for sensitive SERS sensing. *Analyst, The*, **2015**, 140, 134-9	5	39
135	Construction of Dual-Color Probes with Target-Triggered Signal Amplification for Single-Molecule Imaging of MicroRNA. *ACS Nano*, **2020**, 14, 8116-8125	16.7	39
134	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
133	Nanoporous molybdenum carbide wires as an active electrocatalyst towards the oxygen reduction reaction. *Physical Chemistry Chemical Physics*, **2014**, 16, 10088-94	3.6	38
132	Facile preparation of N-doped mesocellular graphene foam from sludge flocs for highly efficient oxygen reduction reaction. *Journal of Materials Chemistry A*, **2015**, 3, 15171-15176	13	38

131	A Biomimetic Plasmonic Nanoreactor for Reliable Metabolite Detection. *Advanced Science*, **2020**, 7, 1903730	17.5	37
130	Electrochemical aspects of electrospray and laser desorption/ionization for mass spectrometry. *Annual Review of Analytical Chemistry*, **2010**, 3, 231-54	12.5	36
129	MALDI in-source photooxidation reactions for online peptide tagging. *Angewandte Chemie - International Edition*, **2008**, 47, 2646-8	16.4	35
128	Microfluidic immunosensor based on stable antibody-patterned surface in PMMA microchip. *Electrochemistry Communications*, **2008**, 10, 447-450	5.1	35
127	Functionalized periodic mesoporous organosilicas for enhanced and selective peptide enrichment. *Langmuir*, **2010**, 26, 7444-50	4	34
126	Strategy for allosteric analysis based on protein-patterned stationary phase in microfluidic chip. *Journal of Proteome Research*, **2005**, 4, 2154-60	5.6	33
125	Designer SiO@Au nanoshells towards sensitive and selective detection of small molecules in laser desorption ionization mass spectrometry. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 1715-23	6	32
124	A smart glycol-directed nanodevice from rationally designed macroporous materials. *Chemistry - A European Journal*, **2010**, 16, 822-8	4.8	32
123	TiO2 sol-gel derived amperometric biosensor for H2O2 on the electropolymerized phenazine methosulfate modified electrode. *Analytical and Bioanalytical Chemistry*, **2002**, 374, 1261-6	4.4	32
122	Detection of antimicrobial resistance-associated proteins by titanium dioxide-facilitated intact bacteria mass spectrometry. *Chemical Science*, **2018**, 9, 2212-2221	9.4	31
121	High-efficiency nano/micro-reactors for protein analysis. *RSC Advances*, **2015**, 5, 1331-1342	3.7	31
120	Ultrasensitive Detection of Low-Abundance Protein Biomarkers by Mass Spectrometry Signal Amplification Assay. *Analytical Chemistry*, **2016**, 88, 6767-72	7.8	28
119	Quantitative label-free and real-time surface-enhanced Raman scattering monitoring of reaction kinetics using self-assembled bifunctional nanoparticle arrays. *Analytical Chemistry*, **2015**, 87, 8702-8	7.8	28
118	Electrochemistry and biosensing of glucose oxidase immobilized on Pt-dispersed mesoporous carbon. *Mikrochimica Acta*, **2009**, 167, 109-116	5.8	28
117	Mass Barcode Signal Amplification for Multiplex Allergy Diagnosis by MALDI-MS. *Analytical Chemistry*, **2016**, 88, 6184-9	7.8	27
116	Amorphous phosphatized ruthenium-iron bimetallic nanoclusters with Pt-like activity for hydrogen evolution reaction. *Applied Catalysis B: Environmental*, **2021**, 283, 119583	21.8	27
115	On-demand quantitative SERS bioassays facilitated by surface-tethered ratiometric probes. *Chemical Science*, **2018**, 9, 8089-8093	9.4	27
114	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

113	An amperometric biosensor based on the coimmobilization of horseradish peroxidase and methylene blue on a beta-type zeolite modified electrode. *Freseniusr Journal of Analytical Chemistry* , **2000**, 367, 539-44		26
112	Single Biomolecule Imaging by Electrochemiluminescence. *Journal of the American Chemical Society* , **2021**, 143, 17910-17914	16.4	26
111	Electrocatalysis of both oxygen reduction and water oxidation using a cost-effective three-dimensional MnO2/graphene/carbon nanotube. *RSC Advances*, **2015**, 5, 26710-26715	3.7	25
110	Electrocatalytic oxidation of NADH based on bicontinuous gyroidal mesoporous carbon with low overpotential. *Electrochemistry Communications*, **2009**, 11, 227-230	5.1	25
109	Direct electrochemistry of myoglobin based on bicontinuous gyroidal mesoporous carbon matrix. *Electrochemistry Communications*, **2008**, 10, 1864-1867	5.1	25
108	Mo2C/Reduced-Graphene-Oxide Nanocomposite: An Efficient Electrocatalyst for the Hydrogen Evolution Reaction. *ChemElectroChem*, **2016**, 3, 2110-2115	4.3	25
107	Single Molecule Fluorescent Colocalization of Split Aptamers for Ultrasensitive Detection of Biomolecules. *Analytical Chemistry*, **2018**, 90, 9315-9321	7.8	24
106	Electrochemistry and biosensing activity of cytochrome c immobilized in macroporous materials. *Mikrochimica Acta*, **2011**, 175, 87-95	5.8	24
105	Controlling the specific enrichment of multi-phosphorylated peptides on oxide materials: aluminium foil as a target plate for laser desorption ionization mass spectrometry. *Chemical Science* , **2010**, 1, 374	9.4	24
104	Nanozeolite-assembled interface towards sensitive biosensing. *Electrochemistry Communications*, **2007**, 9, 1525-1529	5.1	24
103	Rapid Enrichment and Sensitive Detection of Multiple Metal Ions Enabled by Macroporous Graphene Foam. *Analytical Chemistry*, **2017**, 89, 11758-11764	7.8	23
102	A label-free fluorescent molecular switch for a DNA hybridization assay utilizing a G-quadruplex-selective auramine O. *Chemical Communications*, **2015**, 51, 8622-5	5.8	22
101	Periodic mesoporous organosilica as a multifunctional nanodevice for large-scale characterization of membrane proteins. *Analytical Chemistry*, **2012**, 84, 5809-15	7.8	22
100	Small mesoporous silica nanoparticles as carriers for enhanced photodynamic therapy. *Chemistry - an Asian Journal*, **2011**, 6, 2332-8	4.5	22
99	Nanomaterial-assisted laser desorption ionization for mass spectrometry-based biomedical analysis. *Nanomedicine*, **2010**, 5, 1641-52	5.6	22
98	Improvement of proteolytic efficiency towards low-level proteins by an antifouling surface of alumina gel in a microchannel. *Lab on A Chip*, **2010**, 10, 2887-93	7.2	22
97	Electrocatalytic oxidation of NADH at mesoporous carbon modified electrodes. *Mikrochimica Acta*, **2009**, 167, 75-79	5.8	22
96	Simultaneous and ultrasensitive detection of multiple microRNAs by single-molecule fluorescence imaging. *Chemical Science*, **2020**, 11, 3812-3819	9.4	21

95	Trypsin entrapped in poly(diallyldimethylammonium chloride) silica sol-gel microreactor coupled to matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 1257-64	2.2	21
94	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
93	A novel near-infrared protein assay based on the dissolution and aggregation of aptamer-wrapped single-walled carbon nanotubes. *Chemical Communications*, **2009**, 5006-8	5.8	20
92	Enhancement of proteolysis through the silica-gel-derived microfluidic reactor. *Proteomics*, **2007**, 7, 1373-8	4.8	20
91	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. *Small*, **2021**, 17, e2007971	11	20
90	Label-free Aptasensor based on Electrodeposition of Gold Nanoparticles on Graphene and Its Application in the Quantification of Adenosine Triphosphate. *Electrochimica Acta*, **2015**, 172, 88-93	6.7	19
89	Ambient ionization based on mesoporous graphene coated paper for therapeutic drug monitoring. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1015-1016, 142-149	3.2	19
88	In-source photocatalytic reduction of disulfide bonds during laser desorption ionization. *Chemical Communications*, **2008**, 6357-9	5.8	19
87	A dual-signaling strategy for ultrasensitive detection of bisphenol A by aptamer-based electrochemical biosensor. *Journal of Electroanalytical Chemistry*, **2016**, 781, 265-271	4.1	18
86	Ultrasensitive profiling of multiple biomarkers from single cells by signal amplification mass spectrometry. *Chemical Communications*, **2018**, 54, 9659-9662	5.8	18
85	Advances in signal amplification strategies for electrochemical biosensing. *Current Opinion in Electrochemistry*, **2018**, 12, 5-12	7.2	18
84	Microfluidic Air Sampler for Highly Efficient Bacterial Aerosol Collection and Identification. *Analytical Chemistry*, **2016**, 88, 11504-11512	7.8	17
83	Electrochemical detection of the activities of thrombin and its inhibitor. *Electrochemistry Communications*, **2012**, 16, 53-56	5.1	17
82	A Novel Capacitive Immunosensor Using Electropolymerized Insulating Poly (o-phenylenediamine) Film on a Glass Carbon Electrode for Probing Transferrin. *Analytical Letters*, **2004**, 37, 2283-2301	2.2	17
81	Self-Assembled Au Nanoparticle Arrays for Precise Metabolic Assay of Cerebrospinal Fluid. *ACS Applied Materials & Interfaces*, **2021**, 13, 4886-4893	9.5	17
80	Polydopamine Grafted Porous Graphene as Biocompatible Nanoreactor for Efficient Identification of Membrane Proteins. *ACS Applied Materials & Interfaces*, **2016**, 8, 6363-70	9.5	16
79	Three-Dimensional Plasmonic Trap Array for Ultrasensitive Surface-Enhanced Raman Scattering Analysis of Single Cells. *Analytical Chemistry*, **2018**, 90, 10394-10399	7.8	16
78	Nanoporous silica coupled MALDI-TOF MS detection of Bence-Jones proteins in human urine for diagnosis of multiple myeloma. *Talanta*, **2019**, 200, 288-292	6.2	15

77	Bicontinuous gyroidal mesoporous carbon matrix for facilitating protein electrochemical and bioelectrocatalytic performances. *Talanta*, **2011**, 83, 1507-14	6.2	15
76	Characterization of efficient proteolysis by trypsin loaded macroporous silica. *Molecular BioSystems*, **2011**, 7, 2890-8		15
75	Photocatalytic redox reactions for in-source peptide fragmentation. *Chemistry - A European Journal*, **2009**, 15, 6711-7	4.8	15
74	Time-resolved electrochromic properties of MoO3 thin films electrodeposited on a flexible substrate. *Journal of Solid State Electrochemistry*, **2003**, 7, 244-248	2.6	15
73	Mass Spectrometry Imaging of Mass Tag Immunoassay Enables the Quantitative Profiling of Biomarkers from Dozens of Exosomes. *Analytical Chemistry*, **2021**, 93, 709-714	7.8	15
72	Sensitive and label-free quantification of cellular biothiols by competitive surface-enhanced Raman spectroscopy. *Talanta*, **2016**, 152, 196-202	6.2	14
71	On-Chip Mesoporous Functionalized Magnetic Microspheres for Protein Sequencing by Extended Bottom-up Mass Spectrometry. *Analytical Chemistry*, **2016**, 88, 1775-84	7.8	14
70	Single-Molecule Fluorescence Imaging for Ultrasensitive DNA Methyltransferase Activity Measurement and Inhibitor Screening. *Analytical Chemistry*, **2019**, 91, 9500-9507	7.8	14
69	Direct SERS tracking of a chemical reaction at a single 13□hm gold nanoparticle. *Chemical Science*, **2019**, 10, 1741-1745	9.4	14
68	Bacterial Whole Cell Typing by Mass Spectra Pattern Matching with Bootstrapping Assessment. *Analytical Chemistry*, **2017**, 89, 12556-12561	7.8	14
67	Electrochemistry of nanozeolite-immobilized cytochrome c in aqueous and nonaqueous solutions. *Langmuir*, **2010**, 26, 9076-81	4	14
66	Coupling shell-isolated nanoparticle enhanced Raman spectroscopy with paper chromatography for multi-components on-site analysis. *Talanta*, **2017**, 162, 52-56	6.2	13
65	Electrochemistry and biosensing activity of cytochrome c immobilized on a mesoporous interface assembled from carbon nanospheres. *Mikrochimica Acta*, **2012**, 178, 277-283	5.8	13
64	A Sensitive Microchip-Based Immunosensor for Electrochemical Detection of Low-Level Biomarker S100B. *Electroanalysis*, **2013**, 25, 1050-1055	3	13
63	An aptamer□SWNT biosensor for sensitive detection of protein via mediated signal transduction. *Electrochemistry Communications*, **2011**, 13, 707-710	5.1	13
62	Microfluidic enzymatic reactors for proteome research. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 227-9	4.4	13
61	Selective assembly of specifically charged proteins on an electrochemically switched surface. *New Journal of Chemistry*, **2005**, 29, 847	3.6	13
60	Multifunctional nanoreactor for comprehensive characterization of membrane proteins based on surface functionalized mesoporous foams. *Analytical Chemistry*, **2015**, 87, 9360-7	7.8	12

59	A Bonded Double-Doped Graphene Nanoribbon Framework for Advanced Electrocatalysis. *ACS Applied Materials & Interfaces*, **2016**, 8, 16649-55	9.5	12
58	Sensitive determination of fluphenazine at a dodecanethiol self-assembled monolayer-modified gold electrode, and its electrocatalysis to phenylephrine. *Mikrochimica Acta*, **2007**, 159, 157-163	5.8	12
57	Sensitively probing the cofactor redox species and photo-induced electron transfer of wild-type and pheophytin-replaced photosynthetic proteins reconstituted in self-assembled monolayers. *Journal of Solid State Electrochemistry*, **2007**, 11, 1689-1695	2.6	12
56	Plasmonic Colloidosome-Based Multifunctional Platform for Bacterial Identification and Antimicrobial Resistance Detection. *Analytical Chemistry*, **2019**, 91, 14220-14225	7.8	11
55	Efficient drug metabolism strategy based on microsome-mesoporous organosilica nanoreactors. *Analytical Chemistry*, **2014**, 86, 10870-6	7.8	11
54	Ga2O3 photocatalyzed on-line tagging of cysteine to facilitate peptide mass fingerprinting. *Proteomics*, **2011**, 11, 3501-9	4.8	11
53	Electrochemical reactions and ionization processes. *European Journal of Mass Spectrometry*, **2010**, 16, 341-9	1.1	11
52	Synthesis of micro-sized shell-isolated 3D plasmonic superstructures for in situ single-particle SERS monitoring. *Nanoscale*, **2016**, 8, 7871-5	7.7	11
51	Plasmonic Colloidosome-Coupled MALDI-TOF MS for Bacterial Heteroresistance Study at Single-Cell Level. *Analytical Chemistry*, **2020**, 92, 8051-8057	7.8	10
50	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
49	MALDI-TOF Characterization of Protein Expression Mutation During Morphological Changes of Bacteria Under the Impact of Antibiotics. *Analytical Chemistry*, **2019**, 91, 2352-2359	7.8	10
48	AN AMPEROMETRIC BIOSENSOR FOR HYDROGEN PEROXIDASE BASED ON THE CO-IMMOBILIZATION OF CATALASE AND METHYLENE BLUE IN AN AL2O3 SOL-GEL MODIFIED ELECTRODE. *Analytical Letters*, **2001**, 34, 687-699	2.2	10
47	Amino-functionalized macroporous silica for efficient tryptic digestion in acidic solutions. *Proteomics*, **2013**, 13, 3117-23	4.8	9
46	Studies on Microbial Biosensor for DL-Phenylalanine and Its Dynamic Response Process. *Analytical Letters*, **1996**, 29, 1497-1515	2.2	9
45	Photochemical Bionanoreactor for Efficient Visible-Light-Driven in Vitro Drug Metabolism. *Analytical Chemistry*, **2017**, 89, 7365-7372	7.8	8
44	Ambient in situ analysis and imaging of both hydrophilic and hydrophobic thin layer chromatography plates by electrostatic spray ionization mass spectrometry. *RSC Advances*, **2015**, 5, 75395-75402	3.7	8
43	Sensitive voltammetric detection of clomipramine at 16-mercapto-hexadecanoic acid self-assembled monolayer modified gold electrode. *Mikrochimica Acta*, **2008**, 161, 149-155	5.8	8
42	Target induced interfacial self-assembly of nanoparticles: A new platform for reproducible quantification of copper ions. *Talanta*, **2016**, 158, 254-261	6.2	8

41	In-tip nanoreactors for cancer cells proteome profiling. *Analytica Chimica Acta*, **2017**, 949, 43-52	6.6	7
40	An Ordered Mesoporous Carbon Nanofiber Array for the Sensitive Electrochemical Detection of Malachite Green. *ChemElectroChem*, **2020**, 7, 659-664	4.3	7
39	Lab in a tube: Isolation, extraction, and isothermal amplification detection of exosomal long noncoding RNA of gastric cancer. *Talanta*, **2021**, 225, 122090	6.2	7
38	Plasmonic Colloidosome-Based Single Cell Detector: A Strategy for Individual Cell Secretion Sensing. *Analytical Chemistry*, **2019**, 91, 2260-2265	7.8	7
37	SERS and MALDI-TOF MS based plasma exosome profiling for rapid detection of osteosarcoma. *Analyst, The*, **2021**, 146, 6496-6505	5	7
36	Surface Plasmon Coupling Electrochemiluminescence Immunosensor Based on Polymer Dots and AuNPs for Ultrasensitive Detection of Pancreatic Cancer Exosomes.. *Analytical Chemistry*, **2021**,	7.8	7
35	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
34	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. *Electrophoresis*, **2017**, 38, 2456-2461	3.6	6
33	Sensitive and fast beverage/fruit antioxidant evaluation by TiO2 -Au/graphene nanocomposites coupled with MALDI-MS. *Rapid Communications in Mass Spectrometry*, **2016**, 30 Suppl 1, 128-32	2.2	6
32	Self-assembled plasmonic nanoarrays for enhanced bacterial identification and discrimination. *Biosensors and Bioelectronics*, **2022**, 197, 113778	11.8	6
31	Sensitive electrochemical aptasensor for detecting EpCAM with silica nanoparticles and quantum dots for signal amplification. *Journal of Electroanalytical Chemistry*, **2020**, 856, 113655	4.1	6
30	An electrochemiluminescence sensor for 17β-estradiol detection based on resonance energy transfer in β-FeOOH@CdS/Ag NCs. *Talanta*, **2021**, 221, 121479	6.2	6
29	Magnetic-Immuno-Loop-Mediated Isothermal Amplification Based on DNA Encapsulating Liposome for the Ultrasensitive Detection of P-glycoprotein. *Scientific Reports*, **2017**, 7, 9312	4.9	5
28	Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. *Science China Chemistry*, **2010**, 53, 685-694	7.9	5
27	Proteins in Mesoporous Silicates. *ACS Symposium Series*, **2008**, 49-60	0.4	5
26	Sensitively Detecting Recombinant Hirudin Variant-2 with Capacitive Immunoassay Based on Self-Assembled Monolayers. *Analytical Letters*, **2003**, 36, 2571-2583	2.2	5
25	Mesoporous Silica as Sorbents and Enzymatic Nanoreactors for Microbial Membrane Proteomics. *ACS Applied Materials & Interfaces*, **2021**, 13, 11571-11578	9.5	4
24	Microfluidic filter device coupled mass spectrometry for rapid bacterial antimicrobial resistance analysis. *Analyst, The*, **2021**, 146, 515-520	5	4

23	Nanoscale tracking plasmon-driven photocatalysis in individual nanojunctions by vibrational spectroscopy. *Nanoscale*, **2018**, 10, 21742-21747	7.7	4
22	Iodide-modified Ag nanoparticles coupled with DSN-Assisted cycling amplification for label-free and ultrasensitive SERS detection of MicroRNA-21. *Talanta*, **2021**, 235, 122728	6.2	4
21	Ultrasensitive amplification-free detection of protein kinase based on catalyzed assembly and enumeration of gold nanoparticles. *Chemical Communications*, **2019**, 55, 2505-2508	5.8	3
20	TiO2-functionalized mesoporous materials for sensitive analysis of multi-phosphopeptides. *Science China Chemistry*, **2011**, 54, 1327-1333	7.9	3
19	MALDI In-Source Photooxidation Reactions for Online Peptide Tagging. *Angewandte Chemie*, **2008**, 120, 2686-2688	3.6	3
18	A Rational Designed Bioorthogonal Surface-Enhanced Raman Scattering Nanoprobe for Quantitatively Visualizing Endogenous Hydrogen Sulfide in Single Living Cells.. *ACS Sensors*, **2022**,	9.2	3
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