

Baohong Liu

List of Publications by Year in descending order

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189
papers

8,482
citations

38720

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56687

83
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191
all docs

191
docs citations

191
times ranked

11036
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanoporous molybdenum carbide nanowire as an electrocatalyst for hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2014, 7, 387-392.	15.6	972
2	MoS ₂ Formed on Mesoporous Graphene as a Highly Active Catalyst for Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2013, 23, 5326-5333.	7.8	664
3	pH-Controlled Delivery of Doxorubicin to Cancer Cells, Based on Small Mesoporous Carbon Nanospheres. <i>Small</i> , 2012, 8, 2715-2720.	5.2	163
4	Size-dependent cellular uptake efficiency, mechanism, and cytotoxicity of silica nanoparticles toward HeLa cells. <i>Talanta</i> , 2013, 107, 408-415.	2.9	151
5	Probing Trace Phenols Based on Mediator-Free Alumina Sol-Gel-Derived Tyrosinase Biosensor. <i>Analytical Chemistry</i> , 2000, 72, 4707-4712.	3.2	150
6	Single Biomolecule Imaging by Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021, 143, 17910-17914.	6.6	148
7	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.	2.3	143
8	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.	1.3	137
9	Multilayer-Assembled Microchip for Enzyme Immobilization as Reactor Toward Low-Level Protein Identification. <i>Analytical Chemistry</i> , 2006, 78, 801-808.	3.2	126
10	Characterization of Immobilization of an Enzyme in a Modified Y Zeolite Matrix and Its Application to an Amperometric Glucose Biosensor. <i>Analytical Chemistry</i> , 1997, 69, 2343-2348.	3.2	120
11	Detection of Pathogenic Microorganisms by Microfluidics Based Analytical Methods. <i>Analytical Chemistry</i> , 2018, 90, 5512-5520.	3.2	108
12	Stable Microstructured Network for Protein Patterning on a Plastic Microfluidic Channel: A Strategy and Characterization of On-Chip Enzyme Microreactors. <i>Analytical Chemistry</i> , 2004, 76, 6426-6433.	3.2	103
13	Multifunctional Magnetic Particles for Combined Circulating Tumor Cells Isolation and Cellular Metabolism Detection. <i>Advanced Functional Materials</i> , 2016, 26, 4016-4025.	7.8	99
14	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.	5.3	93
15	An aptamer-based biosensor for sensitive thrombin detection. <i>Electrochemistry Communications</i> , 2009, 11, 38-40.	2.3	90
16	Specific On-Plate Enrichment of Phosphorylated Peptides for Direct MALDI-TOF MS Analysis. <i>Journal of Proteome Research</i> , 2007, 6, 4763-4769.	1.8	88
17	Bio-electrocatalysis of NADH and ethanol based on graphene sheets modified electrodes. <i>Talanta</i> , 2011, 85, 1174-1179.	2.9	85
18	A sensitive mediator-free tyrosinase biosensor based on an inorganic-organic hybrid titania sol-gel matrix. <i>Analytica Chimica Acta</i> , 2003, 489, 199-206.	2.6	84

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19	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2015, 66, 438-444.	5.3	84
20	Microchip-based ELISA strategy for the detection of low-level disease biomarker in serum. <i>Analytica Chimica Acta</i> , 2009, 650, 77-82.	2.6	81
21	Iron Phthalocyanine Decorated Nitrogen-Doped Graphene Biosensing Platform for Real-Time Detection of Nitric Oxide Released from Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 4438-4444.	3.2	81
22	Construction of Dual-Color Probes with Target-Triggered Signal Amplification for <i>In Situ</i> Single-Molecule Imaging of MicroRNA. <i>ACS Nano</i> , 2020, 14, 8116-8125.	7.3	81
23	TiO ₂ -assisted silver enhanced biosensor for kinase activity profiling. <i>Chemical Communications</i> , 2009, , 1508.	2.2	79
24	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. <i>Small</i> , 2021, 17, e2007971.	5.2	79
25	Multifunctional Paper Strip Based on Self-Assembled Interfacial Plasmonic Nanoparticle Arrays for Sensitive SERS Detection. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16767-16774.	4.0	78
26	A three-dimensional silver nanoparticles decorated plasmonic paper strip for SERS detection of low-abundance molecules. <i>Talanta</i> , 2016, 147, 493-500.	2.9	78
27	Amorphous phosphatized ruthenium-iron bimetallic nanoclusters with Pt-like activity for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119583.	10.8	78
28	A Nanoporous Reactor for Efficient Proteolysis. <i>Chemistry - A European Journal</i> , 2008, 14, 151-157.	1.7	76
29	Floating conductive catalytic nano-rafts at soft interfaces for hydrogen evolution. <i>Chemical Science</i> , 2013, 4, 3432.	3.7	75
30	Enhanced Protein Digestion through the Confinement of Nanozeolite-Assembled Microchip Reactors. <i>Analytical Chemistry</i> , 2008, 80, 2457-2463.	3.2	74
31	A Phospho-Directed Macroporous Alumina-Silica Nanoreactor with Multi-Functions. <i>ACS Nano</i> , 2009, 3, 3656-3662.	7.3	70
32	Titania and Alumina Sol-Gel-Derived Microfluidics Enzymatic-Reactors for Peptide Mapping: Design, Characterization, and Performance. <i>Journal of Proteome Research</i> , 2004, 3, 1201-1209.	1.8	69
33	Al ₂ O ₃ sol-gel derived amperometric biosensor for glucose. <i>Analytica Chimica Acta</i> , 1999, 392, 135-141.	2.6	68
34	Gold Nanoparticle Assembly Microfluidic Reactor for Efficient On-line Proteolysis. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1428-1436.	2.5	67
35	Quantitative SERS Detection of Dopamine in Cerebrospinal Fluid by Dual-Recognition-Induced Hot Spot Generation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15388-15394.	4.0	64
36	Copper-Catalyzed Tyrosine Nitration. <i>Journal of the American Chemical Society</i> , 2011, 133, 19823-19831.	6.6	63

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37	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.	1.9	63
38	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, 6660-6665.	3.2	62
39	Plasmonic nanoshells enhanced laser desorption/ionization mass spectrometry for detection of serum metabolites. <i>Analytica Chimica Acta</i> , 2017, 950, 147-155.	2.6	62
40	TiO ₂ -Modified Macroporous Silica Foams for Advanced Enrichment of Multi-Phosphorylated Peptides. <i>Chemistry - A European Journal</i> , 2009, 15, 2504-2508.	1.7	61
41	Controlled Nanozeolite-Assembled Electrode: Remarkable Enzyme-Immobilization Ability and High Sensitivity as Biosensor. <i>Chemistry - A European Journal</i> , 2006, 12, 1137-1143.	1.7	60
42	Electrochemistry and biosensing of glucose oxidase based on mesoporous carbons with different spatially ordered dimensions. <i>Talanta</i> , 2009, 78, 705-710.	2.9	60
43	Microfluidic chip-based aptasensor for amplified electrochemical detection of human thrombin. <i>Electrochemistry Communications</i> , 2010, 12, 258-261.	2.3	59
44	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, 14389-14395.	4.0	58
45	Macroporous Materials as Novel Catalysts for Efficient and Controllable Proteolysis. <i>Analytical Chemistry</i> , 2009, 81, 5749-5756.	3.2	57
46	Nanocomposites of palladium nanoparticle-loaded mesoporous carbon nanospheres for the electrochemical determination of hydrogen peroxide. <i>Talanta</i> , 2012, 99, 256-261.	2.9	57
47	Electrochemistry and biosensing reactivity of heme proteins adsorbed on the structure-tailored mesoporous Nb ₂ O ₅ matrix. <i>Analytica Chimica Acta</i> , 2004, 519, 31-38.	2.6	56
48	Microfluidic enzymatic-reactors for peptide mapping: strategy, characterization, and performance. <i>Lab on A Chip</i> , 2004, 4, 588.	3.1	54
49	Surface Plasmon Coupling Electrochemiluminescence Immunosensor Based on Polymer Dots and AuNPs for Ultrasensitive Detection of Pancreatic Cancer Exosomes. <i>Analytical Chemistry</i> , 2022, 94, 837-846.	3.2	53
50	Efficient Proteolysis System: A Nanozeolite-Derived Microreactor. <i>Small</i> , 2006, 2, 1170-1173.	5.2	52
51	Assembly-Controlled Biocompatible Interface on a Microchip: Strategy to Highly Efficient Proteolysis. <i>Chemistry - A European Journal</i> , 2006, 12, 6585-6591.	1.7	52
52	Carbon nanotube/gold nanoparticle composite-coated membrane as a facile plasmon-enhanced interface for sensitive SERS sensing. <i>Analyst</i> , 2015, 140, 134-139.	1.7	51
53	Simultaneous and ultrasensitive detection of multiple microRNAs by single-molecule fluorescence imaging. <i>Chemical Science</i> , 2020, 11, 3812-3819.	3.7	51
54	Kinetics of Proteolytic Reactions in Nanoporous Materials. <i>Journal of Proteome Research</i> , 2009, 8, 4685-4692.	1.8	47

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55	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, 1715-1723.	1.7	47
56	Ultrathin Alumina Sol-Gel-Derived Films: Allowing Direct Detection of the Liver Fibrosis Markers by Capacitance Measurement. <i>Analytical Chemistry</i> , 2003, 75, 4578-4584.	3.2	46
57	TiO ₂ Printed Aluminum Foil: Single-Use Film for a Laser Desorption/Ionization Target Plate. <i>Analytical Chemistry</i> , 2009, 81, 1177-1183.	3.2	46
58	A Biomimetic Plasmonic Nanoreactor for Reliable Metabolite Detection. <i>Advanced Science</i> , 2020, 7, 1903730.	5.6	46
59	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.	5.2	44
60	Nanoporous molybdenum carbide wires as an active electrocatalyst towards the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10088-10094.	1.3	43
61	Microfluidic immunosensor based on stable antibody-patterned surface in PMMA microchip. <i>Electrochemistry Communications</i> , 2008, 10, 447-450.	2.3	42
62	On-demand quantitative SERS bioassays facilitated by surface-tethered ratiometric probes. <i>Chemical Science</i> , 2018, 9, 8089-8093.	3.7	41
63	Electrochemical Aspects of Electrospray and Laser Desorption/Ionization for Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , 2010, 3, 231-254.	2.8	40
64	Ultrasensitive Detection of Low-Abundance Protein Biomarkers by Mass Spectrometry Signal Amplification Assay. <i>Analytical Chemistry</i> , 2016, 88, 6767-6772.	3.2	40
65	Detection of antimicrobial resistance-associated proteins by titanium dioxide-facilitated intact bacteria mass spectrometry. <i>Chemical Science</i> , 2018, 9, 2212-2221.	3.7	40
66	A Smart Glycol-Directed Nanodevice from Rationally Designed Macroporous Materials. <i>Chemistry - A European Journal</i> , 2010, 16, 822-828.	1.7	38
67	TiO ₂ -Assisted Laser Desorption/Ionization Mass Spectrometry for Rapid Profiling of Candidate Metabolite Biomarkers from Antimicrobial-Resistant Bacteria. <i>Analytical Chemistry</i> , 2018, 90, 3863-3870.	3.2	38
68	MALDI In-Situ Source Photooxidation Reactions for Online Peptide Tagging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2646-2648.	7.2	37
69	Strategy for Allosteric Analysis Based on Protein-Patterned Stationary Phase in Microfluidic Chip. <i>Journal of Proteome Research</i> , 2005, 4, 2154-2160.	1.8	35
70	Functionalized Periodic Mesoporous Organosilicas for Enhanced and Selective Peptide Enrichment. <i>Langmuir</i> , 2010, 26, 7444-7450.	1.6	35
71	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, 8702-8708.	3.2	34
72	Rapid Enrichment and Sensitive Detection of Multiple Metal Ions Enabled by Macroporous Graphene Foam. <i>Analytical Chemistry</i> , 2017, 89, 11758-11764.	3.2	34

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73	Advances in signal amplification strategies for electrochemical biosensing. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 5-12.	2.5	34
74	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.	3.2	34
75	TiO ₂ sol-gel derived amperometric biosensor for H ₂ O ₂ on the electropolymerized phenazine methosulfate modified electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1261-1266.	1.9	33
76	High-efficiency nano/micro-reactors for protein analysis. <i>RSC Advances</i> , 2015, 5, 1331-1342.	1.7	33
77	Mass Barcode Signal Amplification for Multiplex Allergy Diagnosis by MALDI-MS. <i>Analytical Chemistry</i> , 2016, 88, 6184-6189.	3.2	33
78	Identification of pathogenic bacteria in human blood using IgG-modified Fe ₃ O ₄ magnetic beads as a sorbent and MALDI-TOF MS for profiling. <i>Mikrochimica Acta</i> , 2018, 185, 542.	2.5	33
79	Single Molecule Fluorescent Colocalization of Split Aptamers for Ultrasensitive Detection of Biomolecules. <i>Analytical Chemistry</i> , 2018, 90, 9315-9321.	3.2	33
80	Self-Assembled Au Nanoparticle Arrays for Precise Metabolic Assay of Cerebrospinal Fluid. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4886-4893.	4.0	33
81	Electrocatalysis of both oxygen reduction and water oxidation using a cost-effective three-dimensional MnO ₂ /graphene/carbon nanotube. <i>RSC Advances</i> , 2015, 5, 26710-26715.	1.7	32
82	Mo ₂ C/Reduced Graphene Oxide Nanocomposite: An Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2016, 3, 2110-2115.	1.7	31
83	Electrochemistry and biosensing of glucose oxidase immobilized on Pt-dispersed mesoporous carbon. <i>Mikrochimica Acta</i> , 2009, 167, 109-116.	2.5	30
84	Microfluidic Air Sampler for Highly Efficient Bacterial Aerosol Collection and Identification. <i>Analytical Chemistry</i> , 2016, 88, 11504-11512.	3.2	30
85	Bacterial Whole Cell Typing by Mass Spectra Pattern Matching with Bootstrapping Assessment. <i>Analytical Chemistry</i> , 2017, 89, 12556-12561.	3.2	28
86	Self-assembled plasmonic nanoarrays for enhanced bacterial identification and discrimination. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113778.	5.3	28
87	An amperometric biosensor based on the coimmobilization of horseradish peroxidase and methylene blue on a I ² -type zeolite modified electrode. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 539-544.	1.5	27
88	Electrocatalytic oxidation of NADH based on bicontinuous gyroidal mesoporous carbon with low overpotential. <i>Electrochemistry Communications</i> , 2009, 11, 227-230.	2.3	27
89	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.	3.7	27
90	Direct electrochemistry of myoglobin based on bicontinuous gyroidal mesoporous carbon matrix. <i>Electrochemistry Communications</i> , 2008, 10, 1864-1867.	2.3	26

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91	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.	5.0	26
92	Nanozeolite-assembled interface towards sensitive biosensing. <i>Electrochemistry Communications</i> , 2007, 9, 1525-1529.	2.3	25
93	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.	2.2	25
94	Electrochemistry and biosensing activity of cytochrome c immobilized in macroporous materials. <i>Mikrochimica Acta</i> , 2011, 175, 87-95.	2.5	25
95	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.	1.9	25
96	Single-Molecule Fluorescence Imaging for Ultrasensitive DNA Methyltransferase Activity Measurement and Inhibitor Screening. <i>Analytical Chemistry</i> , 2019, 91, 9500-9507.	3.2	25
97	SERS and MALDI-TOF MS based plasma exosome profiling for rapid detection of osteosarcoma. <i>Analyst</i> , 2021, 146, 6496-6505.	1.7	25
98	Periodic Mesoporous Organosilica as a Multifunctional Nanodevice for Large-Scale Characterization of Membrane Proteins. <i>Analytical Chemistry</i> , 2012, 84, 5809-5815.	3.2	24
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, 8622-8625.	2.2	24
100	Ultrasensitive profiling of multiple biomarkers from single cells by signal amplification mass spectrometry. <i>Chemical Communications</i> , 2018, 54, 9659-9662.	2.2	24
101	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, 1257-1264.	0.7	23
102	In-source photocatalytic reduction of disulfide bonds during laser desorption ionization. <i>Chemical Communications</i> , 2008, , 6357.	2.2	23
103	Nanomaterial-assisted laser desorption ionization for mass spectrometry-based biomedical analysis. <i>Nanomedicine</i> , 2010, 5, 1641-1652.	1.7	23
104	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.	3.1	23
105	Small Mesoporous Silica Nanoparticles as Carriers for Enhanced Photodynamic Therapy. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2332-2338.	1.7	23
106	Electrocatalytic oxidation of NADH at mesoporous carbon modified electrodes. <i>Mikrochimica Acta</i> , 2009, 167, 75-79.	2.5	22
107	Plasmonic Colloidosome-Coupled MALDI-TOF MS for Bacterial Heteroresistance Study at Single-Cell Level. <i>Analytical Chemistry</i> , 2020, 92, 8051-8057.	3.2	22
108	Lab in a tube: Isolation, extraction, and isothermal amplification detection of exosomal long noncoding RNA of gastric cancer. <i>Talanta</i> , 2021, 225, 122090.	2.9	22

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109	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.	2.9	22
110	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.	2.6	21
111	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.	1.2	21
112	Three-Dimensional Plasmonic Trap Array for Ultrasensitive Surface-Enhanced Raman Scattering Analysis of Single Cells. <i>Analytical Chemistry</i> , 2018, 90, 10394-10399.	3.2	21
113	A Novel Capacitive Immunosensor Using Electropolymerized Insulating Poly (ϵ -phenylenediamine) Film on a Glass Carbon Electrode for Probing Transferrin. <i>Analytical Letters</i> , 2004, 37, 2283-2301.	1.0	20
114	Enhancement of proteolysis through the silica-gel-derived microfluidic reactor. <i>Proteomics</i> , 2007, 7, 1373-1378.	1.3	20
115	Direct SERS tracking of a chemical reaction at a single 13 nm gold nanoparticle. <i>Chemical Science</i> , 2019, 10, 1741-1745.	3.7	20
116	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.	2.9	20
117	Electrochemiluminescence microscopy: From single objects to living cells. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101096.	2.5	20
118	Sensitive and label-free quantification of cellular biothiols by competitive surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2016, 152, 196-202.	2.9	19
119	Photocatalytic Redox Reactions for In-source Peptide Fragmentation. <i>Chemistry - A European Journal</i> , 2009, 15, 6711-6717.	1.7	18
120	Electrochemical detection of the activities of thrombin and its inhibitor. <i>Electrochemistry Communications</i> , 2012, 16, 53-56.	2.3	18
121	A Sensitive Microchip-Based Immunosensor for Electrochemical Detection of Low-Level Biomarker S100B. <i>Electroanalysis</i> , 2013, 25, 1050-1055.	1.5	18
122	Polydopamine Grafted Porous Graphene as Biocompatible Nanoreactor for Efficient Identification of Membrane Proteins. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6363-6370.	4.0	18
123	Plasmonic Colloidosome-Based Multifunctional Platform for Bacterial Identification and Antimicrobial Resistance Detection. <i>Analytical Chemistry</i> , 2019, 91, 14220-14225.	3.2	17
124	In situ ratiometric SERS imaging of intracellular protease activity for subtype discrimination of human breast cancer. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114194.	5.3	17
125	Time-resolved electrochromic properties of MoO ₃ thin films electrodeposited on a flexible substrate. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 244-248.	1.2	16
126	Characterization of efficient proteolysis by trypsin loaded macroporous silica. <i>Molecular BioSystems</i> , 2011, 7, 2890.	2.9	16

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127	Multifunctional Nanoreactor for Comprehensive Characterization of Membrane Proteins Based on Surface Functionalized Mesoporous Foams. <i>Analytical Chemistry</i> , 2015, 87, 9360-9367.	3.2	16
128	A Rational Designed Bioorthogonal Surface-Enhanced Raman Scattering Nanoprobe for Quantitatively Visualizing Endogenous Hydrogen Sulfide in Single Living Cells. <i>ACS Sensors</i> , 2022, 7, 893-899.	4.0	16
129	Microfluidic enzymatic reactors for proteome research. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 227-229.	1.9	15
130	Bicontinuous gyroidal mesoporous carbon matrix for facilitating protein electrochemical and bioelectrocatalytic performances. <i>Talanta</i> , 2011, 83, 1507-1514.	2.9	15
131	On-Chip Mesoporous Functionalized Magnetic Microspheres for Protein Sequencing by Extended Bottom-up Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 1775-1784.	3.2	15
132	Selective assembly of specifically charged proteins on an electrochemically switched surface. <i>New Journal of Chemistry</i> , 2005, 29, 847.	1.4	14
133	Electrochemistry of Nanozeolite-Immobilized Cytochrome c in Aqueous and Nonaqueous Solutions. <i>Langmuir</i> , 2010, 26, 9076-9081.	1.6	14
134	Coupling shell-isolated nanoparticle enhanced Raman spectroscopy with paper chromatography for multi-components on-site analysis. <i>Talanta</i> , 2017, 162, 52-56.	2.9	14
135	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.	3.2	14
136	An Ordered Mesoporous Carbon Nanofiber Array for the Sensitive Electrochemical Detection of Malachite Green. <i>ChemElectroChem</i> , 2020, 7, 659-664.	1.7	14
137	Sensitive determination of fluphenazine at a dodecanethiol self-assembled monolayer-modified gold electrode, and its electrocatalysis to phenylephrine. <i>Mikrochimica Acta</i> , 2007, 159, 157-163.	2.5	13
138	Sensitively probing the cofactor redox species and photo-induced electron transfer of wild-type and pheophytin-replaced photosynthetic proteins reconstituted in self-assembled monolayers. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1689-1695.	1.2	13
139	Electrochemical Reactions and Ionization Processes. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 341-349.	0.5	13
140	An aptamerâ€“SWNT biosensor for sensitive detection of protein via mediated signal transduction. <i>Electrochemistry Communications</i> , 2011, 13, 707-710.	2.3	13
141	Electrochemistry and biosensing activity of cytochrome c immobilized on a mesoporous interface assembled from carbon nanospheres. <i>Mikrochimica Acta</i> , 2012, 178, 277-283.	2.5	13
142	Efficient Drug Metabolism Strategy Based on Microsomeâ€“Mesoporous Organosilica Nanoreactors. <i>Analytical Chemistry</i> , 2014, 86, 10870-10876.	3.2	13
143	A Bonded Double-Doped Graphene Nanoribbon Framework for Advanced Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16649-16655.	4.0	13
144	On-Chip Spyhole Nanoelectrospray Ionization Mass Spectrometry for Sensitive Biomarker Detection in Small Volumes. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1538-1545.	1.2	13

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145	Microfluidic filter device coupled mass spectrometry for rapid bacterial antimicrobial resistance analysis. <i>Analyst</i> , 2021, 146, 515-520.	1.7	13
146	Studies on Microbial Biosensor for DL-Phenylalanine and Its Dynamic Response Process. <i>Analytical Letters</i> , 1996, 29, 1497-1515.	1.0	12
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