Ming-Li Chen

List of Publications by Year
in descending order

105	3,576	126858	161767
papers	citations	33 h-index	54 g-index

105	105	105	4185
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rare-Earth Doping Graphitic Carbon Nitride Endows Distinctive Multiple Emissions with Large Stokes Shifts. CCS Chemistry, 2022, 4, 1990-1999.	4.6	7
2	A modular single-cell pipette microfluidic chip coupling to ETAAS and ICP-MS for single cell analysis. Chinese Chemical Letters, 2022, 33, 1373-1376.	4.8	9
3	Aggregation-induced emission luminogens for highly effective microwave dynamic therapy. Bioactive Materials, 2022, 7, 112-125.	8.6	78
4	Novel thiol-functionalized covalent organic framework-enabled ICP-MS measurement of ultra-trace metals in complex matrices. Journal of Analytical Atomic Spectrometry, 2022, 37, 157-164.	1.6	9
5	Exploration of copper-cysteamine nanoparticles as an efficient heterogeneous Fenton-like catalyst for wastewater treatment. Materials Today Physics, 2022, 22, 100587.	2.9	14
6	Immunolabeling lanthanide nanoparticles for alpha-fetoprotein measurement and cancer cells counting with detection of ICPâ˜MS. Analytica Chimica Acta, 2022, 1201, 339639.	2.6	8
7	The sensitive fluorescence assay of phosphates and alkaline phosphatase based on terbium nanocomplexes synthesized via ligand proportion regulation. Sensors and Actuators B: Chemical, 2022, 359, 131574.	4.0	8
8	Insights into Surface Charge of Single Particles at the Orifice of a Nanopipette. Analytical Chemistry, 2022, 94, 8187-8193.	3.2	5
9	Cryogenic Laser Ablation in a Rapid Cooling Chamber Ensures Excellent Elemental Imaging in Fresh Biological Tissues. Analytical Chemistry, 2022, 94, 8547-8553.	3.2	4
10	Dual mode assay of glutathione with Tb-doped g-C3N4/MnO2 nanoconjugates as fluorescence probe and Mn as elemental target. Analytica Chimica Acta, 2022, 1221, 340100.	2.6	8
11	Recent Advances in Nanomaterials for Analysis of Trace Heavy Metals. Critical Reviews in Analytical Chemistry, 2021, 51, 353-372.	1.8	24
12	M13 phage-based nanoprobe for SERS detection and inactivation of Staphylococcus aureus. Talanta, 2021, 221, 121668.	2.9	42
13	Nitrogen-doped fluorescence carbon dots as multi-mechanism detection for iodide and curcumin in biological and food samples. Bioactive Materials, 2021, 6, 1541-1554.	8.6	160
14	Terbium doping of graphitic carbon nitride endows a highly sensitive ratiometric fluorescence assay of alkaline phosphatase. Chemical Communications, 2021, 57, 8746-8749.	2.2	13
15	Dual-mode imaging of copper transporter 1 in HepG2 cells by hyphenating confocal laser scanning microscopy with laser ablation ICPMS. Analytical and Bioanalytical Chemistry, 2021, 413, 1353-1361.	1.9	7
16	A novel porous polymeric microsphere for the selective adsorption and isolation of conalbumin. Analytica Chimica Acta, 2021, 1148, 238176.	2.6	8
17	A strategy to differentiate dopamine and levodopa based on their cyclization reaction regulated by pH. Analytica Chimica Acta, 2021, 1157, 338379.	2.6	10
18	Intracellular silver speciation by coupling capillary electrophoresis to ICP-MS integrating a high performance spiral flow spray chamber. Analytica Chimica Acta, 2021, 1166, 338540.	2.6	7

#	Article	IF	Citations
19	Zn-based metal organic framework-covalent organic framework composites for trace lead extraction and fluorescence detection of TNP. Journal of Hazardous Materials, 2021, 411, 125021.	6.5	60
20	Two-Dimensional Cytometry Platform for Single-Particle/Cell Analysis with Laser-Induced Fluorescence and ICPâ€“MS. Analytical Chemistry, 2021, 93, 8203-8209.	3.2	18
21	Discrimination of pathogenic bacteria with boronic acid modified protonated g-C3N4 nanosheets at various pHs. Sensors and Actuators B: Chemical, 2021, 340, 129951.	4.0	9
22	ICP-MS and Photothermal Dual-Readout Assay for Ultrasensitive and Point-of-Care Detection of Pancreatic Cancer Exosomes. Analytical Chemistry, 2021, 93, 11540-11546.	3.2	25
23	Titanium dioxideâ€functionalized dendritic mesoporous silica nanoparticles for highly selective isolation of phosphoproteins. Journal of Separation Science, 2021, 44, 3618-3625.	1.3	8
24	Dual-Multivalent-Aptamer-Conjugated Nanoprobes for Superefficient Discerning of Single Circulating Tumor Cells in a Microfluidic Chip with Inductively Coupled Plasma Mass Spectrometry Detection. ACS Applied Materials & Interfaces, 2021, 13, 43668-43675.	4.0	38
25	Investigation on selenium and mercury interactions and the distribution patterns in mice organs with LA-ICP-MS imaging. Analytica Chimica Acta, 2021, 1182, 338941.	2.6	10
26	Nano-octahedral bimetallic Fe/Eu-MOF preparation and dual model sensing of serum alkaline phosphatase (ALP) based on its peroxidase-like property and fluorescence. Materials Science and Engineering C, 2021, 129, 112404.	3.8	33
27	Label-Free Resistance Cytometry at the Orifice of a Nanopipette. Analytical Chemistry, 2021, 93, 2942-2949.	3.2	14
28	Cu-Based Metalâ€“Organic Framework Nanoparticles for Sensing Cr(VI) Ions. ACS Applied Nano Materials, 2021, 4, 802-810.	2.4	41
29	Effects of N-Substituents on the Solution Behavior of Poly(sulfobetaine methacrylate)s in Water: Upper and Lower Critical Solution Temperature Transitions. ACS Applied Polymer Materials, 2021, 3, 867-878.	2.0	17
30	Novel Dielectric Barrier Discharge Trap for Arsenic Introduced by Electrothermal Vaporization: Possible Mechanism and Its Application. Analytical Chemistry, 2021, 93, 15063-15071.	3.2	8
31	Dual functional AgNPs-M13 phage composite serves as antibacterial film and sensing probe for monitoring the corrosion of chromium-containing dental alloys. Chinese Chemical Letters, 2020, 31, 145-149.	4.8	16
32	Iron-chelated thermoresponsive polymer brushes on bismuth titanate nanosheets for metal affinity separation of phosphoproteins. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111282.	2.5	5
33	Ensuring high selectivity for preconcentration and detection of ultra-trace cadmium using a phage-functionalized metalâ€“organic framework. Analyst, The, 2020, 145, 5280-5288.	1.7	10
34	Fabrication of magnetic Fe3O4@metal organic framework@covalent organic framework composite and its selective separation of trace copper. Applied Surface Science, 2020, 530, 147254.	3.1	62
35	Boron-Modified Defect-Rich Molybdenum Disulfide Nanosheets: Reducing Nonspecific Adsorption and Promoting a High Capacity for Isolation of Immunoglobulin G. ACS Applied Materials & Interfaces, 2020, 12, 43273-43280.	4.0	13
36	Hybrids of Upconversion Nanoparticles and Silver Nanoclusters Ensure Superior Bactericidal Capability via Combined Sterilization. ACS Applied Materials & Interfaces, 2020, 12, 51285-51292.	4.0	25

#	Article	IF	Citations
37	The up-to-date strategies for the isolation and manipulation of single cells. Talanta, 2020, 218, 121147.	2.9	19
38	Mercury speciation based on mercury-stimulated peroxidase mimetic activity of gold nanoparticles. Analyst, The, 2020, 145, 5200-5205.	1.7	9
39	Performing flow injection chromatography using a narrow open tubular column. Analytica Chimica Acta, 2020, 1109, 19-26.	2.6	6
40	Inertial-Force-Assisted, High-Throughput, Droplet-Free, Single-Cell Sampling Coupled with ICP-MS for Real-Time Cell Analysis. Analytical Chemistry, 2020, 92, 6604-6612.	3.2	36
41	Three-Dimensional DNA Nanomachine Biosensor by Integrating DNA Walker and Rolling Machine Cascade Amplification for Ultrasensitive Detection of Cancer-Related Gene. Analytical Chemistry, 2020, 92, 11111-11118.	3.2	78
42	Purification of hemoglobin by adsorption on nitrogen-doped flower-like carbon superstructures. Mikrochimica Acta, 2020, 187, 162.	2.5	7
43	Copper-Cysteamine Nanoparticles as a Heterogeneous Fenton-Like Catalyst for Highly Selective Cancer Treatment. ACS Applied Bio Materials, 2020, 3, 1804-1814.	2.3	69
44	CuS@PDAâ€“FA nanocomposites: a dual stimuli-responsive DOX delivery vehicle with ultrahigh loading level for synergistic photothermalâ€“chemotherapies on breast cancer. Journal of Materials Chemistry B, 2020, 8, 1396-1404.	2.9	33
45	Amplification Strategy of Silver Nanoclusters with a Satellite-Nanostructure for Substrate-Free Assay of Alkaline Phosphatase by ICP-MS. Analytical Chemistry, 2020, 92, 3769-3774.	3.2	30
46	Discrimination of antibiotic-resistant Gram-negative bacteria with a novel 3D nano sensing array. Chemical Communications, 2020, 56, 1717-1720.	2.2	26
47	Recent advances in single-cell ultra-trace analysis. TrAC - Trends in Analytical Chemistry, 2020, 127, 115886.	5.8	26
48	Identification of intracellular cadmium transformation in HepG2 and MCF-7Âcells. Talanta, 2020, 218, 121065.	2.9	5
49	Facile synthesis of metalâ€“organic framework-derived SiW12@Co3O4 and its peroxidase-like activity in colorimetric assay. Analyst, The, 2019, 144, 5455-5461.	1.7	14
50	Ultrafast Gradient Separation with Narrow Open Tubular Liquid Chromatography. Analytical Chemistry, 2019, 91, 10738-10743.	3.2	41
51	Two-dimensional titanate-based zwitterionic hydrophilic sorbent for the selective adsorption of glycoproteins. Analytica Chimica Acta, 2019, 1088, 72-78.	2.6	13
52	A Spiral-Helix (3D) Tubing Array That Ensures Ultrahigh-Throughput Single-Cell Sampling. Analytical Chemistry, 2019, 91, 15826-15832.	3.2	31
53	Placeholder Strategy with Upconversion Nanoparticlesâ€'Eriochrome Black T Conjugate for a Colorimetric Assay of an Anthrax Biomarker. Analytical Chemistry, 2019, 91, 12094-12099.	3.2	37
54	DMSA-Functionalized Mesoporous Alumina with a High Capacity for Selective Isolation of Immunoglobulin G. ACS Applied Materials & Interfaces, 2019, 11, 36286-36295.	4.0	13

#	Article	IF	Citations
55	A Three-Dimensional Porous Organic Framework for Highly Selective Capture of Mercury and Copper Ions. ACS Applied Polymer Materials, 2019, 1, 2797-2806.	2.0	27
56	Nanostructures serve as adsorbents for the selective separation/enrichment of proteins. TrAC - Trends in Analytical Chemistry, 2019, 120, 115650.	5.8	23
57	Functionalized magnetic composites based on the aptamer serve as novel bio-adsorbent for the separation and preconcentration of trace lead. Talanta, 2019, 203, 210-219.	2.9	26
58	M13 phage as network frame for the quantification of Pb2+ based on the Pb2+-induced in-situ growth of gold nanoparticles. Analytica Chimica Acta, 2019, 1073, 72-78.	2.6	6
59	Boron-titanate monolayer nanosheets for highly selective adsorption of immunoglobulin G. Nanoscale, 2019, 11, 9362-9368.	2.8	20
60	A Novel Three-Dimensional Nanosensing Array for the Discrimination of Sulfur-Containing Species and Sulfur Bacteria. Analytical Chemistry, 2019, 91, 6012-6018.	3.2	43
61	Single cell analysis for elucidating cellular uptake and transport of cobalt curcumin complex with detection by time-resolved ICPMS. Analytica Chimica Acta, 2019, 1066, 13-20.	2.6	21
62	Boronic acid functionalized g-C₃N₄ nanosheets for ultrasensitive and selective sensing of glycoprotein in the physiological environment. Nanoscale, 2018, 10, 4913-4920.	2.8	48
63	Deep Eutectic Solvent-Assisted Preparation of Nitrogen/Chloride-Doped Carbon Dots for Intracellular Biological Sensing and Live Cell Imaging. ACS Applied Materials & Interfaces, 2018, 10, 7901-7909.	4.0	91
64	Sensitive Western-Blot Analysis of Azide-Tagged Protein Post Translational Modifications Using Thermoresponsive Polymer Self-Assembly. Analytical Chemistry, 2018, 90, 2186-2192.	3.2	12
65	Thermo/pH dual-stimuli-responsive drug delivery for chemo-/photothermal therapy monitored by cell imaging. Talanta, 2018, 181, 278-285.	2.9	55
66	A novel â€œmodularizedâ€•optical sensor for pH monitoring in biological matrixes. Biosensors and Bioelectronics, 2018, 109, 150-155.	5.3	28
67	Screening arsenic(III)-binding peptide for colorimetric detection of arsenic(III) based on the peptide induced aggregation of gold nanoparticles. Talanta, 2018, 177, 212-216.	2.9	56
68	Functionalization of mesoporous organosilica nanocarrier for pH/glutathione dual-responsive drug delivery and imaging of cancer therapy process. Talanta, 2018, 177, 203-211.	2.9	22
69	Supported carbon dots serve as high-performance adsorbent for the retention of trace cadmium. Talanta, 2018, 180, 18-24.	2.9	48
70	Improving the adsorption capacity for ovalbumin by functional modification of aminated mesoporous silica nanoparticles with tryptophan. Journal of Materials Chemistry B, 2018, 6, 7703-7709.	2.9	13
71	Zwitterionic poly(sulfobetaine methacrylate)s in water: from upper critical solution temperature (UCST) to lower critical solution temperature (LCST) with increasing length of one alkyl substituent on the nitrogen atom. Polymer Chemistry, 2018, 9, 5257-5261.	1.9	39
72	High-Throughput/High-Precision Sampling of Single Cells into ICP-MS for Elucidating Cellular Nanoparticles. Analytical Chemistry, 2018, 90, 14543-14550.	3.2	41

#	Article	IF	Citations
73	Highly Sensitive Detection of MicroRNA-21 with ICPMS via Hybridization Accumulation of Upconversion Nanoparticles. Analytical Chemistry, 2018, 90, 12116-12122.	3.2	64
74	Probing pH variation in living cells and assaying hemoglobin in blood with nitrogen enriched carbon dots. Talanta, 2018, 188, 788-794.	2.9	15
75	Mercury Speciation with Fluorescent Gold Nanocluster as a Probe. Analytical Chemistry, 2018, 90, 6945-6951.	3.2	63
76	Online High Temporal Resolution Measurement of Atmospheric Sulfate and Sulfur Trioxide with a Light Emitting Diode and Liquid Core Waveguide-Based Sensor. Analytical Chemistry, 2018, 90, 7843-7847.	3.2	5
77	PEGylated titanate nanosheets: hydrophilic monolayers with a superior capacity for the selective isolation of immunoglobulin G. Nanoscale, 2018, 10, 12535-12542.	2.8	12
78	ZrO2 doped magnetic mesoporous polyimide for the efficient enrichment of phosphopeptides. Talanta, 2018, 188, 385-392.	2.9	23
79	A hybrid of carbon dots with 4-chloro-7-nitro-2,1,3-benzoxadiazole for selective detection of p-phenylenediamine. Environmental Science: Nano, 2017, 4, 1037-1044.	2.2	26
80	Dual Functional Coreâ€“Shell Fluorescent Ag₂S@Carbon Nanostructure for Selective Assay of E. coli O157:H7 and Bactericidal Treatment. ACS Sensors, 2017, 2, 371-378.	4.0	19
81	Synthesis of a Highly Azide-Reactive and Thermosensitive Biofunctional Reagent for Efficient Enrichment and Large-Scale Identification of O-GlcNAc Proteins by Mass Spectrometry. Analytical Chemistry, 2017, 89, 5810-5817.	3.2	23
82	Tetra-nickel substituted polyoxotungsate as an efficient sorbent for the isolation of His6-tagged proteins from cell lysate. Talanta, 2017, 171, 173-178.	2.9	9
83	SERSâ€“Fluorescence Dual-Mode pH-Sensing Method Based on Janus Microparticles. ACS Applied Materials & Interfaces, 2017, 9, 39699-39707.	4.0	58
84	In situ growth of gold nanoparticles on Hg²⁺-binding M13 phages for mercury sensing. Nanoscale, 2017, 9, 16728-16734.	2.8	23
85	Aptamer-anchored di-polymer shell-capped mesoporous carbon as a drug carrier for bi-trigger targeted drug delivery. Journal of Materials Chemistry B, 2017, 5, 6882-6889.	2.9	25
86	Copper-Decorated Titanate Nanosheets: Novel Homogeneous Monolayers with a Superior Capacity for Selective Isolation of Hemoglobin. ACS Applied Materials & Interfaces, 2017, 9, 28273-28280.	4.0	21
87	High Time-Resolution Optical Sensor for Monitoring Atmospheric Nitrogen Dioxide. Analytical Chemistry, 2017, 89, 13064-13068.	3.2	9
88	Mesoporous carbon nanoparticles capped with polyacrylic acid as drug carrier for bi-trigger continuous drug release. Journal of Materials Chemistry B, 2016, 4, 5178-5184.	2.9	36
89	Green preparation of carbon dots with papaya as carbon source for effective fluorescent sensing of Iron (III) and Escherichia coli. Biosensors and Bioelectronics, 2016, 85, 68-75.	5.3	309
90	Green preparation of carbon dots for intracellular pH sensing and multicolor live cell imaging. Journal of Materials Chemistry B, 2016, 4, 7130-7137.	2.9	109

#	Article	IF	Citations
91	One step preparation of proton-functionalized photoluminescent graphitic carbon nitride and its sensing applications. RSC Advances, 2016, 6, 98893-98898.	1.7	19
92	Analysis of the Distribution Pattern of Chromium Species in Single Cells. Analytical Chemistry, 2016, 88, 12437-12444.	3.2	40
93	Biological cells in the speciation analysis of heavy metals. Analytical Methods, 2016, 8, 8251-8261.	1.3	9
94	Genetic and chemical modification of cells for selective separation and analysis of heavy metals of biological or environmental significance. TrAC - Trends in Analytical Chemistry, 2015, 66, 90-102.	5.8	101
95	Metallothionein isoforms for selective biosorption and preconcentration of cadmium at ultra-trace levels. Journal of Analytical Atomic Spectrometry, 2015, 30, 929-935.	1.6	7
96	Polyhedral Oligomeric Silsesquioxane Functionalized Carbon Dots for Cell Imaging. ACS Applied Materials & Interfaces, 2015, 7, 16609-16616.	4.0	100
97	Magnetic Nanohybrids Loaded with Bimetal Coreâ€“Shellâ€“Shell Nanorods for Bacteria Capture, Separation, and Nearâ€Infrared Photothermal Treatment. Chemistry - A European Journal, 2015, 21, 6582-6589.	1.7	28
98	Supported carbon dots decorated with metallothionein for selective cadmium adsorption and removal. Chinese Chemical Letters, 2015, 26, 1496-1501.	4.8	23
99	Chromium(III) Binding Phage Screening for the Selective Adsorption of Cr(III) and Chromium Speciation. ACS Applied Materials & Interfaces, 2015, 7, 21287-21294.	4.0	44
100	Coreâ€“shellâ€“shell nanorods for controlled release of silver that can serve as a nanoheater for photothermal treatment on bacteria. Acta Biomaterialia, 2015, 11, 511-519.	4.1	63
101	Highly selective preconcentration of ultra-trace cadmium by yeast surface engineering. Analyst, The, 2012, 137, 4193.	1.7	20
102	Cyanobacterium metallothionein decorated graphene oxide nanosheets for highly selective adsorption of ultra-trace cadmium. Journal of Materials Chemistry, 2012, 22, 21909.	6.7	143
103	Arsenic preconcentration viasolid phase extraction and speciation by HPLC-gradient hydride generation atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 133-140.	1.6	34
104	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. Analytical Chemistry, 2009, 81, 1291-1296.	3.2	37
105	Atmosphericâ€Pressure Dielectricâ€Barrier Discharge as a Radiation Source for Optical Emission Spectrometry. Angewandte Chemie - International Edition, 2008, 47, 7909-7912.	7.2	114