

Jian-Hua Wang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

273
papers

8,290
citations

41
h-index

79
g-index

285
ext. papers

10,248
ext. citations

7.2
avg, IF

6.73
L-index

#	Paper	IF	Citations
273	MoS-Covalent Organic Framework Composite as a Bifunctional Supporter for the Determination of Trace Nickel by Photochemical Vapor Generation-Microplasma Optical Emission Spectrometry.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
272	Multifunctional ratiometric fluorescent sensing platform constructed by grafting various response groups on carbon dots with bromine active site for biosensing and bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2022 , 357, 131376	8.5	2
271	Aptamer/AuNPs encoders endow precise identification and discrimination of lipoprotein subclasses. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113743	11.8	1
270	Detection of HIV/HCV virus DNA with homogeneous DNA machine-triggered in situ formation of silver nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2022 , 352, 131041	8.5	5
269	Microwave-triggered ionic liquid-based hydrogel dressing with excellent hyperthermia and transdermal drug delivery performance. <i>Chemical Engineering Journal</i> , 2022 , 429, 131590	14.7	7
268	A turn-on fluorescent probe via substitution-rearrangement for highly sensitive and discriminative detection of cysteine and its imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 266, 120409	4.4	2
267	Immunolabeling lanthanide nanoparticles for alpha-fetoprotein measurement and cancer cells counting with detection of ICP-MS.. <i>Analytica Chimica Acta</i> , 2022 , 1201, 339639	6.6	2
266	Advances in the adsorption/enrichment of proteins/peptides by metal-organic frameworks-affinity adsorbents. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116627	14.6	0
265	The sensitive fluorescence assay of phosphates and alkaline phosphatase based on terbium nanocomplexes synthesized via ligand proportion regulation. <i>Sensors and Actuators B: Chemical</i> , 2022 , 359, 131574	8.5	1
264	Tailoring the Phase Transition and Luminescence Behaviors of a Poly(ionic liquid) to Ensure Visual Temperature Sensing. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 191-199	4.3	0
263	Modulation of the binding ability to biomacromolecule, cytotoxicity and cellular imaging property for ionic liquid mediated carbon dots.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 216, 112552	6	0
262	Simultaneous preconcentration and pre-column derivatization for rapid analysis of nitrilotriacetic acid in environmental waters by high performance liquid chromatography.. <i>Journal of Chromatography A</i> , 2022 , 1674, 463137	4.5	
261	The concurrent enrichment of glycoproteins and phosphoproteins with polyoxometalate-covalent organic framework conjugate as the adsorbent. <i>Journal of Chromatography A</i> , 2022 , 1675, 463183	4.5	
260	Recent Advances in Nanomaterials for Analysis of Trace Heavy Metals. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 353-372	5.2	5
259	Membrane-Activated Fluorescent Probe for High-Fidelity Imaging of Mitochondrial Membrane Potential. <i>ACS Sensors</i> , 2021 , 6, 4009-4018	9.2	1
258	A Smartphone Optical Device for Point-of-Care Testing of Glucose and Cholesterol Using Ag NPs/UiO-66-NH-Based Ratiometric Fluorescent Probe. <i>Analytical Chemistry</i> , 2021 , 93, 16240-16247	7.8	9
257	Ratiometric 3D DNA Machine Combined with Machine Learning Algorithm for Ultrasensitive and High-Precision Screening of Early Urinary Diseases. <i>ACS Nano</i> , 2021 ,	16.7	9

256	Fabrication and application of 2,4,6-trinitrophenol sensors based on fluorescent functional materials.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127987	12.8	4
255	An Integrated Strategy for Mass Spectrometry-Based Multiomics Analysis of Single Cells. <i>Analytical Chemistry</i> , 2021 , 93, 14059-14067	7.8	4
254	Sensitivity Dependence on the Crystal Forms of a Fluorescence Quencher for Silicon Quantum Dots and Its Use in Acetylcholinesterase Assay. <i>Analytical Chemistry</i> , 2021 , 93, 14900-14906	7.8	2
253	Effects of N-Substituents on the Solution Behavior of Poly(sulfobetaine methacrylate)s in Water: Upper and Lower Critical Solution Temperature Transitions. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 867-878	4.7	8
252	Biomolecule-mediated chiral nanostructures: a review of chiral mechanism and application. <i>Advances in Colloid and Interface Science</i> , 2021 , 289, 102376	14.3	4
251	A novel porous polymeric microsphere for the selective adsorption and isolation of conalbumin. <i>Analytica Chimica Acta</i> , 2021 , 1148, 238176	6.6	2
250	Boronic acid-containing carbon dots array for sensitive identification of glycoproteins and cancer cells. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	2
249	One-Step Synthesis of Carbon Nanoparticles Capable of Long-Term Tracking Lipid Droplet for Real-Time Monitoring of Lipid Catabolism and Pharmacodynamic Evaluation of Lipid-Lowering Drugs. <i>Analytical Chemistry</i> , 2021 , 93, 5284-5290	7.8	12
248	Integral Multielement Signals by DNA-Programmed UCNP-AuNP Nanosatellite Assemblies for Ultrasensitive ICP-MS Detection of Exosomal Proteins and Cancer Identification. <i>Analytical Chemistry</i> , 2021 , 93, 6437-6445	7.8	20
247	"Insert-and-Go" Activated Carbon Electrode Tip for Heavy Metal Capture and In Situ Analysis by Microplasma Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 6262-6269	7.8	8
246	MnO-graphene oxide hybrid nanomaterial with oxidase-like activity for ultrasensitive colorimetric detection of cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4451-4458	4.4	2
245	Nanozyme Sensor Array Plus Solvent-Mediated Signal Amplification Strategy for Ultrasensitive Ratiometric Fluorescence Detection of Exosomal Proteins and Cancer Identification. <i>Analytical Chemistry</i> , 2021 , 93, 9002-9010	7.8	17
244	Intracellular silver speciation by coupling capillary electrophoresis to ICP-MS integrating a high performance spiral flow spray chamber. <i>Analytica Chimica Acta</i> , 2021 , 1166, 338540	6.6	0
243	Dynamic Behavior of Charged Particles at the Nanopipette Orifice. <i>ACS Sensors</i> , 2021 , 6, 2330-2338	9.2	1
242	Zn-based metal organic framework-covalent organic framework composites for trace lead extraction and fluorescence detection of TNP. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125021	12.8	24
241	Two-Dimensional Cytometry Platform for Single-Particle/Cell Analysis with Laser-Induced Fluorescence and ICP-MS. <i>Analytical Chemistry</i> , 2021 , 93, 8203-8209	7.8	2
240	M13 phage-based nanoprobe for SERS detection and inactivation of Staphylococcus aureus. <i>Talanta</i> , 2021 , 221, 121668	6.2	15
239	Carbon nitride nanoparticles as ultrasensitive fluorescent probes for the detection of β -glucosidase activity and inhibitor screening. <i>Analyst, The</i> , 2021 , 146, 1016-1022	5	2

238	State-of-the-art advances of copper-based nanostructures in the enhancement of chemodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 250-266	7.3	32
237	A simple, one-pot and ultrasensitive DNA sensor via Exo III-Assisted target recycling and 3D DNA walker cascade amplification. <i>Analytica Chimica Acta</i> , 2021 , 1147, 15-22	6.6	2
236	Terbium doping of graphitic carbon nitride endows a highly sensitive ratiometric fluorescence assay of alkaline phosphatase. <i>Chemical Communications</i> , 2021 , 57, 8746-8749	5.8	4
235	Precise regulation of the properties of hydrophobic carbon dots by manipulating the structural features of precursor ionic liquids. <i>Biomaterials Science</i> , 2021 , 9, 3127-3135	7.4	3
234	A Salt Stimulus-Responsive Nanohydrogel for Controlled Fishing Low-Density Lipoprotein with Superior Adsorption Capacity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4583-4592	9.5	3
233	Ionic liquid modification of metal-organic framework endows high selectivity for phosphoproteins adsorption. <i>Analytica Chimica Acta</i> , 2021 , 1147, 144-154	6.6	3
232	"Switch-on" fluorescence sensing platform based on porphyrin metal-organic frameworks for rapid and specific detection of zinc ion. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 5161-5168	4.4	0
231	A Novel Pretreatment Device Integrating Magnetic-Assisted Dispersive Extraction and Ultrasonic Spray Separation for Speciation Analysis of Arsenic in Whole Blood by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 10577-10583	7.8	2
230	Construction of Novel Nanocomposites (Cu-MOF/GOD@HA) for Chemodynamic Therapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
229	A modular single-cell pipette microfluidic chip coupling to ETAAS and ICP-MS for single cell analysis. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	4
228	Mutual Benefit between Cu(II) and Polydopamine for Improving Photothermal-Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38127-38137	9.5	9
227	Discrimination of pathogenic bacteria with boronic acid modified protonated g-C ₃ N ₄ nanosheets at various pHs. <i>Sensors and Actuators B: Chemical</i> , 2021 , 340, 129951	8.5	2
226	ICP-MS and Photothermal Dual-Readout Assay for Ultrasensitive and Point-of-Care Detection of Pancreatic Cancer Exosomes. <i>Analytical Chemistry</i> , 2021 , 93, 11540-11546	7.8	5
225	Titanium dioxide-functionalized dendritic mesoporous silica nanoparticles for highly selective isolation of phosphoproteins. <i>Journal of Separation Science</i> , 2021 , 44, 3618-3625	3.4	0
224	1-Naphthothiazolium-based ratiometric fluorescent probe with ideal pK _a for pH imaging in mitochondria of living cells. <i>Talanta</i> , 2021 , 232, 122475	6.2	0
223	Simultaneous and sensitive detection of multiple small biological molecules by microfluidic paper-based analytical device integrated with zinc oxide nanorods. <i>Talanta</i> , 2021 , 232, 122499	6.2	4
222	Tunable Organelle Imaging by Rational Design of Carbon Dots and Utilization of Uptake Pathways. <i>ACS Nano</i> , 2021 , 15, 14465-14474	16.7	12
221	Dual-Multivalent-Aptamer-Conjugated Nanoprobes for Superefficient Discerning of Single Circulating Tumor Cells in a Microfluidic Chip with Inductively Coupled Plasma Mass Spectrometry Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43668-43675	9.5	7

220	Investigation on selenium and mercury interactions and the distribution patterns in mice organs with LA-ICP-MS imaging. <i>Analytica Chimica Acta</i> , 2021 , 1182, 338941	6.6	2
219	Upconversion nanoparticles/carbon dots (UCNPs@CDs) composite for simultaneous detection and speciation of divalent and trivalent iron ions. <i>Analytica Chimica Acta</i> , 2021 , 1183, 338973	6.6	2
218	Effects of alkyl side-chain length on binding with bovine serum albumin, cytotoxicity, and antibacterial properties of 1-alkyl-3-methylimidazolium dicyanamide ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 339, 116835	6	2
217	The anion of choline-based ionic liquids tailored interactions between ionic liquids and bovine serum albumin, MCF-7 cells, and bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 206, 111971	6	4
216	Gold nanocluster surface ligand exchange: An oxidative stress amplifier for combating multidrug resistance bacterial infection. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 846-858	9.3	6
215	Gold nanoclusters exert antibacterial effects against gram-negative bacteria by targeting thiol-redox homeostasis. <i>Talanta</i> , 2021 , 234, 122618	6.2	2
214	Imaging vicinal dithiol of arsenic-binding proteins in the mouse brain with amplification by gold nanocluster Au(GSH). <i>Chemical Communications</i> , 2021 , 57, 3103-3106	5.8	1
213	Functionalized polyoxometalate microspheres ensure selective adsorption of phosphoproteins and glycoproteins. <i>Chemical Communications</i> , 2021 , 57, 3367-3370	5.8	3
212	Mitochondria-targeted ratiometric fluorescent imaging of cysteine. <i>Analyst, The</i> , 2021 , 146, 4642-4648	5	1
211	Label-Free Resistance Cytometry at the Orifice of a Nanopipette. <i>Analytical Chemistry</i> , 2021 , 93, 2942-2949	5	5
210	Chondroitin sulfate-enriched hierarchical multichannel polydopamine nanoparticles with ultrahigh sorption capacity for separation of low-density lipoprotein. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1980-1987	7.3	0
209	Simultaneous metabolomics and proteomics analysis of plasma-derived extracellular vesicles. <i>Analytical Methods</i> , 2021 , 13, 1930-1938	3.2	4
208	Hybrids of Upconversion Nanoparticles and Silver Nanoclusters Ensure Superior Bactericidal Capability Combined Sterilization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51285-51292	9.5	11
207	The up-to-date strategies for the isolation and manipulation of single cells. <i>Talanta</i> , 2020 , 218, 121147	6.2	10
206	Mercury speciation based on mercury-stimulated peroxidase mimetic activity of gold nanoparticles. <i>Analyst, The</i> , 2020 , 145, 5200-5205	5	3
205	Performing flow injection chromatography using a narrow open tubular column. <i>Analytica Chimica Acta</i> , 2020 , 1109, 19-26	6.6	3
204	Unusual Selective Response to Glycoprotein over Sugar Facilitates Ultrafast Universal Fluorescent Immunoassay of Biomarkers. <i>Analytical Chemistry</i> , 2020 , 92, 5540-5545	7.8	9
203	Inertial-Force-Assisted, High-Throughput, Droplet-Free, Single-Cell Sampling Coupled with ICP-MS for Real-Time Cell Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 6604-6612	7.8	14

202	Carbon dots with tunable dual emissions: from the mechanism to the specific imaging of endoplasmic reticulum polarity. <i>Nanoscale</i> , 2020 , 12, 6852-6860	7.7	20
201	Three-Dimensional DNA Nanomachine Biosensor by Integrating DNA Walker and Rolling Machine Cascade Amplification for Ultrasensitive Detection of Cancer-Related Gene. <i>Analytical Chemistry</i> , 2020 , 92, 11111-11118	7.8	31
200	A carbon-based polymer dot sensor for breast cancer detection using peripheral blood immunocytes. <i>Chemical Communications</i> , 2020 , 56, 3050-3053	5.8	8
199	Purification of hemoglobin by adsorption on nitrogen-doped flower-like carbon superstructures. <i>Mikrochimica Acta</i> , 2020 , 187, 162	5.8	5
198	CuS@PDA-FA nanocomposites: a dual stimuli-responsive DOX delivery vehicle with ultrahigh loading level for synergistic photothermal-chemotherapies on breast cancer. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1396-1404	7.3	11
197	Amplification Strategy of Silver Nanoclusters with a Satellite-Nanostructure for Substrate-Free Assay of Alkaline Phosphatase by ICP-MS. <i>Analytical Chemistry</i> , 2020 , 92, 3769-3774	7.8	19
196	Discrimination of antibiotic-resistant Gram-negative bacteria with a novel 3D nano sensing array. <i>Chemical Communications</i> , 2020 , 56, 1717-1720	5.8	8
195	Poly(ionic liquid)-Gated CuCoS for pH-/Thermo-Triggered Drug Release and Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9000-9007	9.5	10
194	Europium-Pyridinedicarboxylate-Adenine Light-Up Fluorescence Nanoprobes for Selective Detection of Phosphate in Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22593-22605	8.5	17
193	Real-time monitoring of intracellular pH in live cells with fluorescent ionic liquid. <i>Analytica Chimica Acta</i> , 2020 , 1111, 132-138	6.6	12
192	Recent advances in single-cell ultra-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 127, 115886-115891	6.6	12
191	Capping Ligand Size-Dependent LSPR Property Based on DNA Nanostructure-Mediated Morphological Evolution of Gold Nanorods for Ultrasensitive Visualization of Target DNA. <i>Analytical Chemistry</i> , 2020 , 92, 7054-7061	7.8	9
190	Identification of intracellular cadmium transformation in HepG2 and MCF-7 cells. <i>Talanta</i> , 2020 , 218, 121065	6.2	3
189	PEGylation of metal-organic framework for selective isolation of glycoprotein immunoglobulin G. <i>Talanta</i> , 2020 , 208, 120433	6.2	10
188	A miniaturized photoacoustic device with laptop readout for point-of-care testing of blood glucose. <i>Talanta</i> , 2020 , 209, 120527	6.2	11
187	Chondroitin sulfate-functionalized 3D hierarchical flower-type mesoporous silica with a superior capacity for selective isolation of low density lipoprotein. <i>Analytica Chimica Acta</i> , 2020 , 1104, 78-86	6.6	4
186	Precisely Tuning LSPR Property via "Peptide-Encoded" Morphological Evolution of Gold Nanorods for Quantitative Visualization of Enzyme Activity. <i>Analytical Chemistry</i> , 2020 , 92, 1395-1401	7.8	18
185	Boronic acid modified polyoxometalate-alginate hybrid for the isolation of glycoproteins at neutral environment. <i>Talanta</i> , 2020 , 210, 120620	6.2	10

184	Protein Corona-Triggered Catalytic Inhibition of Insufficient POSS Polymer-Caged Gold Nanoparticles for Sensitive Colorimetric Detection of Metallothioneins. <i>Analytical Chemistry</i> , 2020 , 92, 2080-2087	7.8	12
183	In Situ Generation of Prussian Blue by MIL-53 (Fe) for Point-of-Care Testing of Butyrylcholinesterase Activity Using a Portable High-Throughput Photothermal Device. <i>Analytical Chemistry</i> , 2020 , 92, 14806-14813	7.8	11
182	Porphyrin structure carbon dots under red light irradiation for bacterial inactivation. <i>New Journal of Chemistry</i> , 2020 , 44, 18225-18232	3.6	4
181	Iron-chelated thermoresponsive polymer brushes on bismuth titanate nanosheets for metal affinity separation of phosphoproteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111282	6	2
180	Biomolecule-tailored assembly and morphology of gold nanoparticles for LSPR applications. <i>Nano Today</i> , 2020 , 35, 101005	17.9	22
179	Polyoxometalate-functionalized macroporous microspheres for selective separation/enrichment of glycoproteins. <i>Chemical Communications</i> , 2020 , 56, 9870-9873	5.8	6
178	Ensuring high selectivity for preconcentration and detection of ultra-trace cadmium using a phage-functionalized metal-organic framework. <i>Analyst, The</i> , 2020 , 145, 5280-5288	5	3
177	A fluorescence imaging protocol for correlating intracellular free cationic copper to the total uptaken copper by live cells. <i>Talanta</i> , 2020 , 220, 121355	6.2	6
176	Sizing Single Particles at the Orifice of a Nanopipette. <i>ACS Sensors</i> , 2020 , 5, 2351-2358	9.2	8
175	Fabrication of magnetic Fe ₃ O ₄ @metal organic framework@covalent organic framework composite and its selective separation of trace copper. <i>Applied Surface Science</i> , 2020 , 530, 147254	6.7	23
174	Simultaneous detection and speciation of mono- and di-valent copper ions with a dual-channel fluorescent nanoprobe. <i>Chemical Communications</i> , 2020 , 56, 15337-15340	5.8	5
173	Photoacoustic-Based Miniature Device with Smartphone Readout for Point-of-Care Testing of Uric Acid. <i>Analytical Chemistry</i> , 2020 , 92, 15699-15704	7.8	6
172	Exploiting arginine distributions for the selective and efficient depletion of arginine-rich plasma proteins. <i>Chemical Communications</i> , 2020 , 56, 12375-12378	5.8	
171	Boron-Modified Defect-Rich Molybdenum Disulfide Nanosheets: Reducing Nonspecific Adsorption and Promoting a High Capacity for Isolation of Immunoglobulin G. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43273-43280	9.5	4
170	Dual functional AgNPs-M13 phage composite serves as antibacterial film and sensing probe for monitoring the corrosion of chromium-containing dental alloys. <i>Chinese Chemical Letters</i> , 2020 , 31, 145-149	8.1	11
169	Red-emission hydrophobic porphyrin structure carbon dots linked with transferrin for cell imaging. <i>Talanta</i> , 2020 , 217, 121014	6.2	14
168	Ionic liquid mediated carbon dots: Preparations, properties and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115638	14.6	14
167	Placeholder Strategy with Upconversion Nanoparticles-Eriochrome Black T Conjugate for a Colorimetric Assay of an Anthrax Biomarker. <i>Analytical Chemistry</i> , 2019 , 91, 12094-12099	7.8	18

166	DMSA-Functionalized Mesoporous Alumina with a High Capacity for Selective Isolation of Immunoglobulin G. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36286-36295	9.5	12
165	A Three-Dimensional Porous Organic Framework for Highly Selective Capture of Mercury and Copper Ions. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2797-2806	4.3	19
164	Regulating the properties of carbon dots via a solvent-involved molecule fusion strategy for improved sensing selectivity. <i>Analytica Chimica Acta</i> , 2019 , 1088, 107-115	6.6	11
163	Nanostructures serve as adsorbents for the selective separation/enrichment of proteins. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115650	14.6	12
162	Enhanced peroxidase-like activity of AuNPs loaded graphitic carbon nitride nanosheets for colorimetric biosensing. <i>Analytica Chimica Acta</i> , 2019 , 1091, 69-75	6.6	34
161	Novel Ti-Chelated Polyoxometalate/Polydopamine Composite Microspheres for Highly Selective Isolation and Enrichment of Phosphoproteins. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37471-37478	9.5	14
160	Facile preparation of N,S-graphene oxide nanosheets as a fluorescence off-on biosensing platform for sensitive detection of biothiols. <i>New Journal of Chemistry</i> , 2019 , 43, 2790-2796	3.6	5
159	Confinement of AuAg NCs in a Pomegranate-Type Silica Architecture for Improved Copper Ion Sensing and Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21150-21158	9.5	21
158	Functionalized magnetic composites based on the aptamer serve as novel bio-adsorbent for the separation and preconcentration of trace lead. <i>Talanta</i> , 2019 , 203, 210-219	6.2	22
157	M13 phage as network frame for the quantification of Pb based on the Pb-induced in-situ growth of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2019 , 1073, 72-78	6.6	3
156	Boron-titanate monolayer nanosheets for highly selective adsorption of immunoglobulin G. <i>Nanoscale</i> , 2019 , 11, 9362-9368	7.7	15
155	Room-temperature synthesis of fluorescent carbon-based nanoparticles and their application in multidimensional sensing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 749-756	8.5	19
154	A ratiometric fluorescent nanoprobe based on naphthalimide derivative-functionalized carbon dots for imaging lysosomal formaldehyde in HeLa cells. <i>Nanoscale</i> , 2019 , 11, 6377-6383	7.7	30
153	Oriented Assembly of Gold Nanoparticles with Freezing-Driven Surface DNA Manipulation and Its Application in SERS-Based MicroRNA Assay. <i>Small Methods</i> , 2019 , 3, 1900017	12.8	29
152	Ultrasensitive Colorimetric Chromium Chemosensor Based on Dye Color Switching under the Cr(VI)-Stimulated Au NPs Catalytic Activity. <i>Analytical Chemistry</i> , 2019 , 91, 5346-5353	7.8	27
151	An atomic fluorescence spectrometer for monitoring nitrogen nutrients via NO vapor generation. <i>Analytica Chimica Acta</i> , 2019 , 1064, 17-24	6.6	3
150	A Novel Three-Dimensional Nanosensing Array for the Discrimination of Sulfur-Containing Species and Sulfur Bacteria. <i>Analytical Chemistry</i> , 2019 , 91, 6012-6018	7.8	25
149	Single cell analysis for elucidating cellular uptake and transport of cobalt curcumin complex with detection by time-resolved ICPMS. <i>Analytica Chimica Acta</i> , 2019 , 1066, 13-20	6.6	12

148	Intracellular Zinc Quantification by Fluorescence Imaging with a FRET System. <i>Analytical Chemistry</i> , 2019 , 91, 4157-4163	7.8	21
147	Glutathione triggered degradation of polydopamine to facilitate controlled drug release for synergic combinational cancer treatment. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 6742-6750	7.3	19
146	Facile synthesis of metal-organic framework-derived SiW@CoO and its peroxidase-like activity in colorimetric assay. <i>Analyt, The</i> , 2019 , 144, 5455-5461	5	12
145	The structure-activity relationship of hydrophilic carbon dots regulated by the nature of precursor ionic liquids. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 722-730	9.3	10
144	Two-dimensional titanate-based zwitterionic hydrophilic sorbent for the selective adsorption of glycoproteins. <i>Analytica Chimica Acta</i> , 2019 , 1088, 72-78	6.6	9
143	A Spiral-Helix (3D) Tubing Array That Ensures Ultrahigh-Throughput Single-Cell Sampling. <i>Analytical Chemistry</i> , 2019 , 91, 15826-15832	7.8	23
142	Gold Nanoclusters/Iron Oxyhydroxide Platform for Ultrasensitive Detection of Butyrylcholinesterase. <i>Analytical Chemistry</i> , 2019 , 91, 15866-15872	7.8	20
141	Fe-Catalyzed low-temperature preparation of multicolor carbon polymer dots with the capability of distinguishing DO from HO. <i>Chemical Communications</i> , 2019 , 55, 12467-12470	5.8	7
140	Sensitive discrimination of glycoproteins and cell differentiation with an array sensing platform exploiting pyrene-derived amphiphile/surfactant assemblies. <i>Chemical Communications</i> , 2019 , 55, 13673-13676 ³	5.8	13676 ³
139	g-CN nanosheet-based ratiometric fluorescent probes for the amplification and imaging of miRNA in living cells. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7566-7573	7.3	23
138	Selenocarrageenan-inspired hybrid graphene hydrogel as recyclable adsorbent for efficient scavenging of dyes and Hg in water environment. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 572-578	9.3	24
137	A simple enzyme-assisted cascade amplification strategy for ultrasensitive and label-free detection of DNA. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4569-4576	4.4	7
136	βCyclodextrin-Decorated Carbon Dots Serve as Nanocarriers for Targeted Drug Delivery and Controlled Release. <i>ChemNanoMat</i> , 2019 , 5, 479-487	3.5	16
135	Ultrasensitive Determination of Tetrabromobisphenol A by Covalent Organic Framework Based Solid Phase Microextraction Coupled with Constant Flow Desorption Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 772-775	7.8	39
134	Folic acid modified copper nanoclusters for fluorescent imaging of cancer cells with over-expressed folate receptor. <i>Mikrochimica Acta</i> , 2018 , 185, 205	5.8	26
133	Folic acid encapsulated graphene quantum dots for ratiometric pH sensing and specific multicolor imaging in living cells. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 61-69	8.5	40
132	Tuning the optical properties of graphene quantum dots for biosensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3219-3234	7.3	106
131	Autonomous DNA nanomachine based on cascade amplification of strand displacement and DNA walker for detection of multiple DNAs. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 159-165	11.8	44

130	Boronic acid functionalized g-CN nanosheets for ultrasensitive and selective sensing of glycoprotein in the physiological environment. <i>Nanoscale</i> , 2018 , 10, 4913-4920	7.7	39
129	Nonthermal optical emission spectrometry for simultaneous and direct determination of zinc, cadmium and mercury in spray. <i>Analyst, The</i> , 2018 , 143, 930-935	5	12
128	Specific Isolation of Glycoproteins with Mesoporous Zirconia-Polyoxometalate Hybrid. <i>Proteomics</i> , 2018 , 18, e1700381	4.8	4
127	Deep Eutectic Solvent-Assisted Preparation of Nitrogen/Chloride-Doped Carbon Dots for Intracellular Biological Sensing and Live Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7901-7909	9.5	64
126	Fluorescent TPA@GQDs Probe for Sensitive Assay and Quantitative Imaging of Hydroxyl Radicals in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5853-5861	9.5	41
125	Sensitive Western-Blot Analysis of Azide-Tagged Protein Post Translational Modifications Using Thermoresponsive Polymer Self-Assembly. <i>Analytical Chemistry</i> , 2018 , 90, 2186-2192	7.8	10
124	Thermo/pH dual-stimuli-responsive drug delivery for chemo-/photothermal therapy monitored by cell imaging. <i>Talanta</i> , 2018 , 181, 278-285	6.2	41
123	Acetaldehyde-modified-cystine as an enhanced fluorescent probe for intracellular glutathione imaging. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 264-269	8.5	14
122	Multichannel fluorescent sensor array for discrimination of thiols using carbon dot-metal ion pairs. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 553-560	8.5	37
121	A novel "modularized" optical sensor for pH monitoring in biological matrixes. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 150-155	11.8	23
120	Functionalization of mesoporous organosilica nanocarrier for pH/glutathione dual-responsive drug delivery and imaging of cancer therapy process. <i>Talanta</i> , 2018 , 177, 203-211	6.2	16
119	Inner filter effect-based fluorescent sensing systems: A review. <i>Analytica Chimica Acta</i> , 2018 , 999, 13-26	6.6	269
118	Highly selective and sensitive detection of cysteine with a graphene quantum dots-gold nanoparticles based core-shell nanosensor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 228-236	8.5	39
117	Probing pH variation in living cells and assaying hemoglobin in blood with nitrogen enriched carbon dots. <i>Talanta</i> , 2018 , 188, 788-794	6.2	10
116	DNA-fueled target recycling-induced two-leg DNA walker for amplified electrochemical detection of nucleic acid. <i>Talanta</i> , 2018 , 188, 685-690	6.2	14
115	Mercury Speciation with Fluorescent Gold Nanocluster as a Probe. <i>Analytical Chemistry</i> , 2018 , 90, 6945-6951	6.3	45
114	Alternating-Current-Driven Microplasma for Multielement Excitation and Determination by Optical-Emission Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 10607-10613	7.8	19
113	Complexes of magnetic nanospheres with amphiprotic polymer-Zn systems for the selective isolation of lactoferrin. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5596-5603	7.3	5

112	Targeted imaging of the lysosome and endoplasmic reticulum and their pH monitoring with surface regulated carbon dots. <i>Nanoscale</i> , 2018 , 10, 12788-12796	7.7	66
111	PEGylated titanate nanosheets: hydrophilic monolayers with a superior capacity for the selective isolation of immunoglobulin G. <i>Nanoscale</i> , 2018 , 10, 12535-12542	7.7	10
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108	Supported carbon dots serve as high-performance adsorbent for the retention of trace cadmium. <i>Talanta</i> , 2018 , 180, 18-24	6.2	36
107	Core-Corona Magnetic Nanospheres Functionalized with Zwitterionic Polymer Ionic Liquid for Highly Selective Isolation of Glycoprotein. <i>Biomacromolecules</i> , 2018 , 19, 53-61	6.9	32
106	A triarylphosphine-trimethylpiperidine reagent for the one-step derivatization and enrichment of protein post-translational modifications and identification by mass spectrometry. <i>Chemical Communications</i> , 2018 , 54, 13790-13793	5.8	6
105	Improving the adsorption capacity for ovalbumin by functional modification of aminated mesoporous silica nanoparticles with tryptophan. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7703-7709	7.3	9
104	Pyridine boronic acid-polyoxometalate based porous hybrid for efficient depletion of high abundant glycoproteins in plasma. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 8196-8203	7.3	7
103	Synthesis of highly stable red-emissive carbon polymer dots by modulated polymerization: from the mechanism to application in intracellular pH imaging. <i>Nanoscale</i> , 2018 , 10, 22484-22492	7.7	49
102	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. <i>Polymer Chemistry</i> , 2018 , 9, 5257-5261	4.9	28
101	High-Throughput/High-Precision Sampling of Single Cells into ICP-MS for Elucidating Cellular Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 14543-14550	7.8	28
100	Polymeric Ionic Liquid-Based Fluorescent Amphiphilic Block Copolymer Micelle for Selective and Sensitive Detection of p-Phenylenediamine. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43049-43058	9.5	21
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98	Highly Sensitive Detection of MicroRNA-21 with ICPMS via Hybridization Accumulation of Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 12116-12122	7.8	41
97	Discrimination and highly selective adsorption of phosphoproteins and glycoproteins with arginine-functionalized polyhedral oligomeric silsesquioxane frameworks. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4116-4123	7.3	13
96	Counting and Sizing of Single Vesicles/Liposomes by Electrochemical Events. <i>ChemElectroChem</i> , 2018 , 5, 2954-2962	4.3	12
95	A 2D porous Fe ₂ O ₃ /graphitic-C ₃ N ₄ /graphene ternary nanocomposite with multifunctions of catalytic hydrogenation, chromium(VI) adsorption and detoxification. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3447-3455	13	40

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