

Jian-Hua Wang

List of Publications by Citations

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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	Hydrophilic Cu ₉ S ₅ nanocrystals: a photothermal agent with a 25.7% heat conversion efficiency for photothermal ablation of cancer cells in vivo. <i>ACS Nano</i> , 2011 , 5, 9761-71	16.7	940
272	Tumor exosomes inhibit differentiation of bone marrow dendritic cells. <i>Journal of Immunology</i> , 2007 , 178, 6867-75	5.3	319
271	Inner filter effect-based fluorescent sensing systems: A review. <i>Analytica Chimica Acta</i> , 2018 , 999, 13-26	6.6	269
270	In situ growth of silver nanoparticles on graphene quantum dots for ultrasensitive colorimetric detection of H ₂ O ₂ and glucose. <i>Analytical Chemistry</i> , 2014 , 86, 6689-94	7.8	250
269	Green preparation of carbon dots with papaya as carbon source for effective fluorescent sensing of Iron (III) and Escherichia coli. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 68-75	11.8	236
268	New insight into molecular interactions of imidazolium ionic liquids with bovine serum albumin. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12306-14	3.4	192
267	The production of pH-sensitive photoluminescent carbon nanoparticles by the carbonization of polyethylenimine and their use for bioimaging. <i>Carbon</i> , 2013 , 55, 343-349	10.4	166
266	Laponite nanodisks as an efficient platform for Doxorubicin delivery to cancer cells. <i>Langmuir</i> , 2013 , 29, 5030-6	4	145
265	Smart DNA Machine for Carcinoembryonic Antigen Detection by Exonuclease III-Assisted Target Recycling and DNA Walker Cascade Amplification. <i>Analytical Chemistry</i> , 2017 , 89, 9292-9298	7.8	128
264	Selective Adsorption and Efficient Removal of Phosphate from Aqueous Medium with Graphene/Lanthanum Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1296-1302	8.3	113
263	Selective extraction/isolation of hemoglobin with ionic liquid 1-butyl-3-trimethylsilylimidazolium hexafluorophosphate (BtmsimPF ₆). <i>Talanta</i> , 2008 , 75, 1270-8	6.2	110
262	Green preparation of nitrogen-doped carbon dots derived from silkworm chrysalis for cell imaging. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 387-393	7.3	107
261	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
260	Growth of CuO nanoneedles on graphene quantum dots as peroxidase mimics for sensitive colorimetric detection of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 374-384	8.5	98
259	Atmospheric-pressure dielectric-barrier discharge as a radiation source for optical emission spectrometry. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7909-12	16.4	95
258	Surface assembly of graphene oxide nanosheets on SiO ₂ particles for the selective isolation of hemoglobin. <i>Chemistry - A European Journal</i> , 2011 , 17, 4864-70	4.8	93
257	Graphene oxide-rare earth metal-organic framework composites for the selective isolation of hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10196-204	9.5	90

256	Graphene Quantum Dot/Silver Nanoparticle Hybrids with Oxidase Activities for Antibacterial Application. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 313-321	5.5	87
255	Green preparation of carbon dots for intracellular pH sensing and multicolor live cell imaging. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7130-7137	7.3	87
254	Assay of biothiols by regulating the growth of silver nanoparticles with C-dots as reducing agent. <i>Analytical Chemistry</i> , 2014 , 86, 5002-8	7.8	85
253	A novel electrochemical biosensor based on polyadenine modified aptamer for label-free and ultrasensitive detection of human breast cancer cells. <i>Talanta</i> , 2017 , 166, 87-92	6.2	82
252	Polyhedral Oligomeric Silsesquioxane Functionalized Carbon Dots for Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16609-16	9.5	81
251	Ionic liquid mediated organophilic carbon dots for drug delivery and bioimaging. <i>Carbon</i> , 2017 , 114, 324-333	7.3	78
250	An acid-free microwave approach to prepare highly luminescent boron-doped graphene quantum dots for cell imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9109-9114	7.3	72
249	Genetic and chemical modification of cells for selective separation and analysis of heavy metals of biological or environmental significance. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 66, 90-102	14.6	72
248	Protein-modified hollow copper sulfide nanoparticles carrying indocyanine green for photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 105-112	7.3	70
247	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
246	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
245	The development of a miniature atomic fluorescence spectrometric system in a lab-on-valve for mercury determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 650	3.7	60
244	Preparation of excitation-independent photoluminescent graphene quantum dots with visible-light excitation/emission for cell imaging. <i>Chemistry - A European Journal</i> , 2013 , 19, 15918-23	4.8	58
243	A miniature lab-on-valve atomic fluorescence spectrometer integrating a dielectric barrier discharge atomizer demonstrated for arsenic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 493	3.7	57
242	Protein-Stabilized Gadolinium Oxide-Gold Nanoclusters Hybrid for Multimodal Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6941-6949	9.5	56
241	In situ growth of FeOOH nanorods on graphene oxide with ultra-high relaxivity for in vivo magnetic resonance imaging and cancer therapy. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2582-2589	7.3	52
240	Ionic liquid-polyvinyl chloride ionomer for highly selective isolation of basic proteins. <i>Talanta</i> , 2010 , 81, 637-42	6.2	52
239	Simultaneously fabrication of free and solidified N, S-doped graphene quantum dots via a facile solvent-free synthesis route for fluorescent detection. <i>Talanta</i> , 2017 , 168, 269-278	6.2	49

238	Polyhedral Oligomeric Silsesquioxane Polymer-Caged Silver Nanoparticle as a Smart Colorimetric Probe for the Detection of Hydrogen Sulfide. <i>Analytical Chemistry</i> , 2017 , 89, 1346-1352	7.8	49
237	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
236	A highly fluorescent hydrophilic ionic liquid as a potential probe for the sensing of biomacromolecules. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1524-30	3.4	47
235	Mercury Speciation with Fluorescent Gold Nanocluster as a Probe. <i>Analytical Chemistry</i> , 2018 , 90, 6945-6951	7.8	45
234	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
233	SERS-Fluorescence Dual-Mode pH-Sensing Method Based on Janus Microparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39699-39707	9.5	43
232	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
231	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
230	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
229	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
228	Highly fluorescent carbon polymer dots prepared at room temperature, and their application as a fluorescent probe for determination and intracellular imaging of ferric ion. <i>Mikrochimica Acta</i> , 2017 , 184, 1109-1116	5.8	40
227	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
226	Advances in discharge-based microplasmas for the analysis of trace species by atomic spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 2118-2126	3.7	40
225	A pH-responsive soluble polymer-based homogeneous system for fast and highly efficient -glycoprotein/glycopeptide enrichment and identification by mass spectrometry. <i>Chemical Science</i> , 2015 , 6, 4234-4241	9.4	39
224	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
223	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
222	Nickel chelating functionalization of graphene composite for metal affinity membrane isolation of lysozyme. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 810-818	7.3	39
221	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

220	A reverse microemulsion of water/AOT/1-butyl-3-methylimidazolium hexafluorophosphate for selective extraction of hemoglobin. <i>Separation and Purification Technology</i> , 2008 , 64, 154-159	8.3	38
219	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
218	Metal carbonyl vapor generation coupled with dielectric barrier discharge to avoid plasma quench for optical emission spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 1366-72	7.8	37
217	Nano copper oxide-incorporated mesoporous carbon composite as multimode adsorbent for selective isolation of hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5116-23	9.5	36
216	Extraction, purification and identification of bacterial signal molecules based on N-acyl homoserine lactones. <i>Microbial Biotechnology</i> , 2011 , 4, 479-90	6.3	36
215	Supported carbon dots serve as high-performance adsorbent for the retention of trace cadmium. <i>Talanta</i> , 2018 , 180, 18-24	6.2	36
214	Chromium(III) Binding Phage Screening for the Selective Adsorption of Cr(III) and Chromium Speciation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21287-94	9.5	35
213	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
212	Polyethylenimine mediated silver nanoparticle-decorated magnetic graphene as a promising photothermal antibacterial agent. <i>Nanotechnology</i> , 2015 , 26, 195703	3.4	34
211	Live HeLa cells preconcentrate and differentiate inorganic arsenic species. <i>Analytical Chemistry</i> , 2009 , 81, 1291-6	7.8	34
210	Suspension Array of Ionic Liquid or Ionic Liquid-Quantum Dots Conjugates for the Discrimination of Proteins and Bacteria. <i>Analytical Chemistry</i> , 2015 , 87, 10902-9	7.8	33
209	Hydrophobic Carbon Nanodots with Rapid Cell Penetrability and Tunable Photoluminescence Behavior for in Vitro and in Vivo Imaging. <i>Langmuir</i> , 2016 , 32, 12221-12229	4	33
208	Arsenic preconcentration via solid phase extraction and speciation by HPLC-gradient hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 133-140	3.7	33
207	Mesoporous carbon nanoparticles capped with polyacrylic acid as drug carrier for bi-trigger continuous drug release. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5178-5184	7.3	33
206	A sensitive aptasensor based on molybdenum carbide nanotubes and label-free aptamer for detection of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1797-1803	4.4	32
205	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
204	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
203	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

202	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
201	A three-dimensional amylopectin-reduced graphene oxide framework for efficient adsorption and removal of hemoglobin. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 983-989	7.3	30
200	Analysis of the Distribution Pattern of Chromium Species in Single Cells. <i>Analytical Chemistry</i> , 2016 , 88, 12437-12444	7.8	30
199	Nonthermal Optical Emission Spectrometry: Direct Atomization and Excitation of Cadmium for Highly Sensitive Determination. <i>Analytical Chemistry</i> , 2016 , 88, 4192-5	7.8	30
198	Hollow Copper Sulfide Nanosphere-Doxorubicin/Graphene Oxide Core-Shell Nanocomposite for Photothermo-chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 3230-3235	5.5	29
197	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
196	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
195	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
194	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
193	Development of a miniature dielectric barrier discharge-optical emission spectrometric system for bromide and bromate screening in environmental water samples. <i>Analytica Chimica Acta</i> , 2014 , 809, 30-6	6.6	27
192	A super hydrophilic silsesquioxane-based composite for highly selective adsorption of glycoproteins. <i>Mikrochimica Acta</i> , 2017 , 184, 1037-1044	5.8	26
191	The regulation of hydrophilicity and hydrophobicity of carbon dots via a one-pot approach. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6013-6018	7.3	26
190	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
189	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
188	Magnetic nano hybrids loaded with bimetal core-shell-shell nanorods for bacteria capture, separation, and near-infrared photothermal treatment. <i>Chemistry - A European Journal</i> , 2015 , 21, 6582-9	4.8	25
187	Glutathione-mediated mesoporous carbon as a drug delivery nanocarrier with carbon dots as a cap and fluorescent tracer. <i>Nanotechnology</i> , 2016 , 27, 355102	3.4	25
186	Magnetic Nanospheres Encapsulated by Mesoporous Copper Oxide Shell for Selective Isolation of Hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29734-29741	9.5	25
185	Determination of diketopiperazines of Burkholderia cepacia CF-66 by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1773-9	4.4	25

184	Iodine excitation in a dielectric barrier discharge micro-plasma and its determination by optical emission spectrometry. <i>Analyst, The</i> , 2013 , 138, 1719-25	5	24
183	Encapsulation of silica nano-spheres with polymerized ionic liquid for selective isolation of acidic proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 8799-806	4.4	24
182	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
181	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
180	A novel "modularized" optical sensor for pH monitoring in biological matrixes. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 150-155	11.8	23
179	A Spiral-Helix (3D) Tubing Array That Ensures Ultrahigh-Throughput Single-Cell Sampling. <i>Analytical Chemistry</i> , 2019 , 91, 15826-15832	7.8	23
178	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
177	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
176	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
175	Dielectric barrier discharge non-thermal micro-plasma for the excitation and emission spectrometric detection of ammonia. <i>Analyst, The</i> , 2011 , 136, 2552-7	5	22
174	One-pot synthesis of N,N-bis[2-methylbutyl] imidazolium hexafluorophosphate@TiO ₂ nanocomposites and application for protein isolation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14857		22
173	Biomolecule-tailored assembly and morphology of gold nanoparticles for LSPR applications. <i>Nano Today</i> , 2020 , 35, 101005	17.9	22
172	A hybrid of carbon dots with 4-chloro-7-nitro-2,1,3-benzoxadiazole for selective detection of p-phenylenediamine. <i>Environmental Science: Nano</i> , 2017 , 4, 1037-1044	7.1	21
171	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
170	Intracellular Zinc Quantification by Fluorescence Imaging with a FRET System. <i>Analytical Chemistry</i> , 2019 , 91, 4157-4163	7.8	21
169	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
168	In situ growth of gold nanoparticles on Hg-binding M13 phages for mercury sensing. <i>Nanoscale</i> , 2017 , 9, 16728-16734	7.7	20
167	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

166	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
165	Gold Nanoclusters/Iron Oxyhydroxide Platform for Ultrasensitive Detection of Butyrylcholinesterase. <i>Analytical Chemistry</i> , 2019 , 91, 15866-15872	7.8	20
164	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
163	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
162	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
161	Alternating-Current-Driven Microplasma for Multielement Excitation and Determination by Optical-Emission Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 10607-10613	7.8	19
160	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
159	Aptamer-anchored di-polymer shell-capped mesoporous carbon as a drug carrier for bi-trigger targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6882-6889	7.3	19
158	Polymeric ionic liquid modified reduced graphene oxide as adsorbent for highly selective isolation of acidic protein. <i>RSC Advances</i> , 2014 , 4, 61936-61943	3.7	19
157	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
156	ZrO doped magnetic mesoporous polyimide for the efficient enrichment of phosphopeptides. <i>Talanta</i> , 2018 , 188, 385-392	6.2	18
155	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
154	An octamolybdate-metal organic framework hybrid for the efficient adsorption of histidine-rich proteins. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6812-6819	7.3	18
153	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	7.8	17
152	Monolayer polymerization of polyhedral oligomeric silsesquioxane on graphene oxide for highly efficient adsorption of β -lactoglobulin. <i>Carbon</i> , 2017 , 122, 194-201	10.4	17
151	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
150	Dual Functional Core-Shell Fluorescent AgS@Carbon Nanostructure for Selective Assay of E. coli O157:H7 and Bactericidal Treatment. <i>ACS Sensors</i> , 2017 , 2, 371-378	9.2	16
149	Preparation of a cobalt mono-substituted silicotungstic acid doped with aniline for the selective adsorption of ovalbumin. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4363-4369	7.3	16

148	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
147	Dielectric barrier discharge-optical emission spectrometry for the simultaneous determination of halogens. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 398-405	3.7	16
146	Copper-Decorated Titanate Nanosheets: Novel Homogeneous Monolayers with a Superior Capacity for Selective Isolation of Hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28273-28280	9.5	16
145	One step preparation of proton-functionalized photoluminescent graphitic carbon nitride and its sensing applications. <i>RSC Advances</i> , 2016 , 6, 98893-98898	3.7	16
144	β-Cyclodextrin-Decorated Carbon Dots Serve as Nanocarriers for Targeted Drug Delivery and Controlled Release. <i>ChemNanoMat</i> , 2019 , 5, 479-487	3.5	16
143	Boron-titanate monolayer nanosheets for highly selective adsorption of immunoglobulin G. <i>Nanoscale</i> , 2019 , 11, 9362-9368	7.7	15
142	A novel organic-inorganic hybrid polyoxometalate for the selective adsorption/isolation of Eactoglobulin. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6964-6970	7.3	15
141	Dual-signal model array sensor based on QGDs/AuNPs system for sensitive protein discrimination. <i>Analytica Chimica Acta</i> , 2017 , 992, 105-111	6.6	15
140	Advances in dielectric barrier discharge-optical emission spectrometry for the analysis of trace species. <i>Analytical Methods</i> , 2015 , 7, 1660-1666	3.2	15
139	M13 phage-based nanoprobe for SERS detection and inactivation of Staphylococcus aureus. <i>Talanta</i> , 2021 , 221, 121668	6.2	15
138	Immobilization of a Ce(IV)-substituted polyoxometalate on ethylenediamine-functionalized graphene oxide for selective extraction of phosphoproteins. <i>Mikrochimica Acta</i> , 2018 , 185, 553	5.8	15
137	Synthesis of a Highly Azide-Reactive and Thermosensitive Biofunctional Reagent for Efficient Enrichment and Large-Scale Identification of O-GlcNAc Proteins by Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 5810-5817	7.8	14
136	Ionic liquid mediated carbon dots: Preparations, properties and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115638	14.6	14
135	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
134	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
133	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
132	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
131	Polyoxometalate-Coated Magnetic Nanospheres for Highly Selective Isolation of Immunoglobulin G. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21876-21882	9.5	14

130	Red-emission hydrophobic porphyrin structure carbon dots linked with transferrin for cell imaging. <i>Talanta</i> , 2020 , 217, 121014	6.2	14
129	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
128	Dielectric barrier discharge micro-plasma emission spectrometry for the detection of acetone in exhaled breath. <i>Talanta</i> , 2016 , 146, 603-8	6.2	12
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125	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
124	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
123	Recent advances in single-cell ultra-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 127, 115886	14.6	12
122	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
121	Improving the biocompatibility of carbon nanodots for cell imaging. <i>Talanta</i> , 2016 , 161, 54-61	6.2	12
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117	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
116	Counting and Sizing of Single Vesicles/Liposomes by Electrochemical Events. <i>ChemElectroChem</i> , 2018 , 5, 2954-2962	4.3	12
115	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
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113	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

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111	A miniaturized photoacoustic device with laptop readout for point-of-care testing of blood glucose. <i>Talanta</i> , 2020 , 209, 120527	6.2	11
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27	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
26	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
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20	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
19	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
18	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
17	Membrane-Activated Fluorescent Probe for High-Fidelity Imaging of Mitochondrial Membrane Potential. <i>ACS Sensors</i> , 2021 , 6, 4009-4018	9.2	1
16	Aptamer/AuNPs encoders endow precise identification and discrimination of lipoprotein subclasses. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113743	11.8	1
15	Dynamic Behavior of Charged Particles at the Nanopipette Orifice. <i>ACS Sensors</i> , 2021 , 6, 2330-2338	9.2	1
14	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
13	Mitochondria-targeted ratiometric fluorescent imaging of cysteine. <i>Analyst, The</i> , 2021 , 146, 4642-4648	5	1
12	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
11	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
10	"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
9	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
8	1-Naphthothiazolium-based ratiometric fluorescent probe with ideal pKa for pH imaging in mitochondria of living cells. <i>Talanta</i> , 2021 , 232, 122475	6.2	0
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