

# Jian-Hua Wang

## List of Publications by Year in descending order

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285  
papers

12,159  
citations

31902

53  
h-index

40881

93  
g-index

285  
all docs

285  
docs citations

285  
times ranked

13517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophilic Cu <sub>9</sub> S <sub>5</sub> Nanocrystals: A Photothermal Agent with a 25.7% Heat Conversion Efficiency for Photothermal Ablation of Cancer Cells <i>in Vivo</i> . ACS Nano, 2011, 5, 9761-9771.	7.3	1,155
2	Inner filter effect-based fluorescent sensing systems: A review. Analytica Chimica Acta, 2018, 999, 13-26.	2.6	489
3	Tumor Exosomes Inhibit Differentiation of Bone Marrow Dendritic Cells. Journal of Immunology, 2007, 178, 6867-6875.	0.4	373
4	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
5	In Situ Growth of Silver Nanoparticles on Graphene Quantum Dots for Ultrasensitive Colorimetric Detection of H <sub>2</sub> O <sub>2</sub> and Glucose. Analytical Chemistry, 2014, 86, 6689-6694.	3.2	295
6	New Insight into Molecular Interactions of Imidazolium Ionic Liquids with Bovine Serum Albumin. Journal of Physical Chemistry B, 2011, 115, 12306-12314.	1.2	221
7	The production of pH-sensitive photoluminescent carbon nanoparticles by the carbonization of polyethylenimine and their use for bioimaging. Carbon, 2013, 55, 343-349.	5.4	200
8	Laponite Nanodisks as an Efficient Platform for Doxorubicin Delivery to Cancer Cells. Langmuir, 2013, 29, 5030-5036.	1.6	169
9	Smart DNA Machine for Carcinoembryonic Antigen Detection by Exonuclease III-Assisted Target Recycling and DNA Walker Cascade Amplification. Analytical Chemistry, 2017, 89, 9292-9298.	3.2	157
10	Tuning the optical properties of graphene quantum dots for biosensing and bioimaging. Journal of Materials Chemistry B, 2018, 6, 3219-3234.	2.9	155
11	Selective Adsorption and Efficient Removal of Phosphate from Aqueous Medium with Graphene-Lanthanum Composite. ACS Sustainable Chemistry and Engineering, 2016, 4, 1296-1302.	3.2	153
12	Green preparation of nitrogen-doped carbon dots derived from silkworm chrysalis for cell imaging. Journal of Materials Chemistry B, 2016, 4, 387-393.	2.9	143
13	Growth of CuO nanoneedles on graphene quantum dots as peroxidase mimics for sensitive colorimetric detection of hydrogen peroxide and glucose. Sensors and Actuators B: Chemical, 2017, 248, 374-384.	4.0	132
14	Selective extraction/isolation of hemoglobin with ionic liquid 1-butyl-3-trimethylsilylimidazolium hexafluorophosphate (BtmsimPF <sub>6</sub> ). Talanta, 2008, 75, 1270-1278.	2.9	123
15	Graphene Quantum Dot/Silver Nanoparticle Hybrids with Oxidase Activities for Antibacterial Application. ACS Biomaterials Science and Engineering, 2017, 3, 313-321.	2.6	123
16	Atmospheric-Pressure Dielectric-Barrier Discharge as a Radiation Source for Optical Emission Spectrometry. Angewandte Chemie - International Edition, 2008, 47, 7909-7912.	7.2	114
17	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
18	Graphene Oxide-Rare Earth Metal-Organic Framework Composites for the Selective Isolation of Hemoglobin. ACS Applied Materials & Interfaces, 2014, 6, 10196-10204.	4.0	106

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19	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.	2.9	102
20	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.	5.8	101
21	Polyhedral Oligomeric Silsesquioxane Functionalized Carbon Dots for Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16609-16616.	4.0	100
22	Assay of Biothiols by Regulating the Growth of Silver Nanoparticles with C-Dots as Reducing Agent. <i>Analytical Chemistry</i> , 2014, 86, 5002-5008.	3.2	99
23	Surface Assembly of Graphene Oxide Nanosheets on SiO <sub>2</sub> Particles for the Selective Isolation of Hemoglobin. <i>Chemistry - A European Journal</i> , 2011, 17, 4864-4870.	1.7	97
24	Ionic liquid mediated organophilic carbon dots for drug delivery and bioimaging. <i>Carbon</i> , 2017, 114, 324-333.	5.4	97
25	Targeted imaging of the lysosome and endoplasmic reticulum and their pH monitoring with surface regulated carbon dots. <i>Nanoscale</i> , 2018, 10, 12788-12796.	2.8	97
26	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.	2.9	92
27	Deep Eutectic Solvent-Assisted Preparation of Nitrogen/Chloride-Doped Carbon Dots for Intracellular Biological Sensing and Live Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7901-7909.	4.0	91
28	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.	2.9	85
29	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.	2.9	82
30	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.	3.2	78
31	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.	2.8	75
32	Protein-Stabilized Gadolinium Oxide-Gold Nanoclusters Hybrid for Multimodal Imaging and Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6941-6949.	4.0	73
33	Preparation of Excitation-Independent Photoluminescent Graphene Quantum Dots with Visible-Light Excitation/Emission for Cell Imaging. <i>Chemistry - A European Journal</i> , 2013, 19, 15918-15923.	1.7	71
34	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.	5.3	70
35	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.	2.9	68
36	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.	1.6	66

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37	Biomolecule-tailored assembly and morphology of gold nanoparticles for LSPR applications. <i>Nano Today</i> , 2020, 35, 101005.	6.2	65
38	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.	1.6	64
39	Highly Sensitive Detection of MicroRNA-21 with ICPMS via Hybridization Accumulation of Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 12116-12122.	3.2	64
40	Tunable Organelle Imaging by Rational Design of Carbon Dots and Utilization of Uptake Pathways. <i>ACS Nano</i> , 2021, 15, 14465-14474.	7.3	64
41	Mercury Speciation with Fluorescent Gold Nanocluster as a Probe. <i>Analytical Chemistry</i> , 2018, 90, 6945-6951.	3.2	63
42	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.	3.2	62
43	Fabrication of magnetic Fe <sub>3</sub> O <sub>4</sub> @metal organic framework@covalent organic framework composite and its selective separation of trace copper. <i>Applied Surface Science</i> , 2020, 530, 147254.	3.1	62
44	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.	3.2	61
45	Ionic liquid@polyvinyl chloride ionomer for highly selective isolation of basic proteins. <i>Talanta</i> , 2010, 81, 637-642.	2.9	60
46	Fluorescent TPA@GQDs Probe for Sensitive Assay and Quantitative Imaging of Hydroxyl Radicals in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5853-5861.	4.0	60
47	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.	3.2	60
48	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.	6.5	60
49	In situ growth of <sup>57</sup> Fe-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.	2.9	58
50	SERS@Fluorescence Dual-Mode pH-Sensing Method Based on Janus Microparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39699-39707.	4.0	58
51	A Highly Fluorescent Hydrophilic Ionic Liquid as a Potential Probe for the Sensing of Biomacromolecules. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1524-1530.	1.2	57
52	Mutual Benefit between Cu(II) and Polydopamine for Improving Photothermal@Chemodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38127-38137.	4.0	56
53	A Smartphone Optical Device for Point-of-Care Testing of Glucose and Cholesterol Using Ag NPs/Uio-66-NH <sub>2</sub> -Based Ratiometric Fluorescent Probe. <i>Analytical Chemistry</i> , 2021, 93, 16240-16247.	3.2	56
54	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.	4.0	55

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55	Thermo/pH dual-stimuli-responsive drug delivery for chemo-/photothermal therapy monitored by cell imaging. <i>Talanta</i> , 2018, 181, 278-285.	2.9	55
56	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.	4.0	55
57	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.	2.5	51
58	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.	1.6	51
59	Enhanced peroxidase-like activity of AuNPs loaded graphitic carbon nitride nanosheets for colorimetric biosensing. <i>Analytica Chimica Acta</i> , 2019, 1091, 69-75.	2.6	51
60	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.	2.8	50
61	Carbon dots with tunable dual emissions: from the mechanism to the specific imaging of endoplasmic reticulum polarity. <i>Nanoscale</i> , 2020, 12, 6852-6860.	2.8	50
62	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.	4.0	49
63	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.	2.9	49
64	A 2D porous Fe <sub>2</sub> O <sub>3</sub> /graphitic-C <sub>3</sub> N <sub>4</sub> /graphene ternary nanocomposite with multifunctions of catalytic hydrogenation, chromium(VI) adsorption and detoxification. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3447-3455.	5.2	48
65	Boronic acid functionalized g-C <sub>3</sub> N <sub>4</sub> nanosheets for ultrasensitive and selective sensing of glycoprotein in the physiological environment. <i>Nanoscale</i> , 2018, 10, 4913-4920.	2.8	48
66	Supported carbon dots serve as high-performance adsorbent for the retention of trace cadmium. <i>Talanta</i> , 2018, 180, 18-24.	2.9	48
67	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.	3.2	48
68	Confinement of AuAg NCs in a Pomegranate-Type Silica Architecture for Improved Copper Ion Sensing and Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21150-21158.	4.0	47
69	A pH-responsive soluble polymer-based homogeneous system for fast and highly efficient N-glycoprotein/glycopeptide enrichment and identification by mass spectrometry. <i>Chemical Science</i> , 2015, 6, 4234-4241.	3.7	46
70	Extraction, purification and identification of bacterial signal molecules based on N-acetyl homoserine lactones. <i>Microbial Biotechnology</i> , 2011, 4, 479-490.	2.0	45
71	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.	1.6	45
72	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.	3.2	45

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73	Europium <sup>III</sup> -Pyridinedicarboxylate <sup>II</sup> -Adenine Light-Up Fluorescence Nanoprobes for Selective Detection of Phosphate in Biological Fluids. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22593-22600.	4.0	45
74	Nickel chelating functionalization of graphene composite for metal affinity membrane isolation of lysozyme. <i>Journal of Materials Chemistry B</i> , 2013, 1, 810-818.	2.9	44
75	Chromium(III) Binding Phage Screening for the Selective Adsorption of Cr(III) and Chromium Speciation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21287-21294.	4.0	44
76	Nano Copper Oxide-Incorporated Mesoporous Carbon Composite as Multimode Adsorbent for Selective Isolation of Hemoglobin. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 5116-5123.	4.0	43
77	A Novel Three-Dimensional Nanosensing Array for the Discrimination of Sulfur-Containing Species and Sulfur Bacteria. <i>Analytical Chemistry</i> , 2019, 91, 6012-6018.	3.2	43
78	Ratiometric 3D DNA Machine Combined with Machine Learning Algorithm for Ultrasensitive and High-Precision Screening of Early Urinary Diseases. <i>ACS Nano</i> , 2021, 15, 19522-19534.	7.3	43
79	Polyethylenimine mediated silver nanoparticle-decorated magnetic graphene as a promising photothermal antibacterial agent. <i>Nanotechnology</i> , 2015, 26, 195703.	1.3	42
80	M13 phage-based nanoprobe for SERS detection and inactivation of <i>Staphylococcus aureus</i> . <i>Talanta</i> , 2021, 221, 121668.	2.9	42
81	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.	3.9	41
82	Metal Carbonyl Vapor Generation Coupled with Dielectric Barrier Discharge To Avoid Plasma Quench for Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 1366-1372.	3.2	41
83	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.	1.9	41
84	Hollow Copper Sulfide Nanosphere <sup>II</sup> -Doxorubicin/Graphene Oxide Core <sup>II</sup> -Shell Nanocomposite for Photothermo-chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3230-3235.	2.6	41
85	High-Throughput/High-Precision Sampling of Single Cells into ICP-MS for Elucidating Cellular Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 14543-14550.	3.2	41
86	Nonthermal Optical Emission Spectrometry: Direct Atomization and Excitation of Cadmium for Highly Sensitive Determination. <i>Analytical Chemistry</i> , 2016, 88, 4192-4195.	3.2	40
87	Analysis of the Distribution Pattern of Chromium Species in Single Cells. <i>Analytical Chemistry</i> , 2016, 88, 12437-12444.	3.2	40
88	Suspension Array of Ionic Liquid or Ionic Liquid <sup>II</sup> -Quantum Dots Conjugates for the Discrimination of Proteins and Bacteria. <i>Analytical Chemistry</i> , 2015, 87, 10902-10909.	3.2	39
89	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.	1.9	39
90	Core <sup>II</sup> -Corona Magnetic Nanospheres Functionalized with Zwitterionic Polymer Ionic Liquid for Highly Selective Isolation of Glycoprotein. <i>Biomacromolecules</i> , 2018, 19, 53-61.	2.6	38

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91	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 &amp; Interfaces</i> , 2021, 13, 43668-43675.	4.0	38
92	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. <i>Analytical Chemistry</i> , 2009, 81, 1291-1296.	3.2	37
93	Placeholder Strategy with Upconversion Nanoparticles <sup>~</sup> Eriochrome Black T Conjugate for a Colorimetric Assay of an Anthrax Biomarker. <i>Analytical Chemistry</i> , 2019, 91, 12094-12099.	3.2	37
94	Oriented Assembly of Gold Nanoparticles with Freezing <sup>~</sup> Driven Surface DNA Manipulation and Its Application in SERS <sup>~</sup> Based MicroRNA Assay. <i>Small Methods</i> , 2019, 3, 1900017.	4.6	37
95	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.	2.9	36
96	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.	2.9	36
97	Polymeric Ionic Liquid-Based Fluorescent Amphiphilic Block Copolymer Micelle for Selective and Sensitive Detection of <i>p</i> -Phenylenediamine. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43049-43056.	4.0	36
98	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.	3.2	36
99	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.	1.6	34
100	Magnetic Nanospheres Encapsulated by Mesoporous Copper Oxide Shell for Selective Isolation of Hemoglobin. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29734-29741.	4.0	34
101	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.	3.2	34
102	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.	2.9	33
103	Intracellular Zinc Quantification by Fluorescence Imaging with a FRET System. <i>Analytical Chemistry</i> , 2019, 91, 4157-4163.	3.2	33
104	Gold Nanoclusters/Iron Oxyhydroxide Platform for Ultrasensitive Detection of Butyrylcholinesterase. <i>Analytical Chemistry</i> , 2019, 91, 15866-15872.	3.2	33
105	CuS@PDA <sup>~</sup> FA nanocomposites: a dual stimuli-responsive DOX delivery vehicle with ultrahigh loading level for synergistic photothermal <sup>~</sup> chemotherapies on breast cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1396-1404.	2.9	33
106	Selenocarrageenan-inspired hybrid graphene hydrogel as recyclable adsorbent for efficient scavenging of dyes and Hg <sup>2+</sup> in water environment. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 572-578.	5.0	32
107	<sup>~</sup> Cyclodextrin <sup>~</sup> Decorated Carbon Dots Serve as Nanocarriers for Targeted Drug Delivery and Controlled Release. <i>ChemNanoMat</i> , 2019, 5, 479-487.	1.5	32
108	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.	3.2	32

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109	Fabrication and application of 2,4,6-trinitrophenol sensors based on fluorescent functional materials. <i>Journal of Hazardous Materials</i> , 2022, 425, 127987.	6.5	32
110	A Spiral-Helix (3D) Tubing Array That Ensures Ultrahigh-Throughput Single-Cell Sampling. <i>Analytical Chemistry</i> , 2019, 91, 15826-15832.	3.2	31
111	Ionic liquid mediated carbon dots: Preparations, properties and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115638.	5.8	31
112	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.	4.0	31
113	g-C <sub>3</sub> N <sub>4</sub> 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.	2.9	31
114	Determination of diketopiperazines of <i>Burkholderia cepacia</i> CF-66 by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1773-1779.	1.9	30
115	A super hydrophilic silsesquioxane-based composite for highly selective adsorption of glycoproteins. <i>Mikrochimica Acta</i> , 2017, 184, 1037-1044.	2.5	30
116	Folic acid modified copper nanoclusters for fluorescent imaging of cancer cells with over-expressed folate receptor. <i>Mikrochimica Acta</i> , 2018, 185, 205.	2.5	30
117	Alternating-Current-Driven Microplasma for Multielement Excitation and Determination by Optical-Emission Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 10607-10613.	3.2	30
118	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.	3.2	30
119	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, 30-36.	2.6	29
120	Glutathione-mediated mesoporous carbon as a drug delivery nanocarrier with carbon dots as a cap and fluorescent tracer. <i>Nanotechnology</i> , 2016, 27, 355102.	1.3	29
121	Biomolecule-mediated chiral nanostructures: a review of chiral mechanism and application. <i>Advances in Colloid and Interface Science</i> , 2021, 289, 102376.	7.0	29
122	Magnetic Nanohybrids Loaded with Bimetal Core-Shell Nanorods for Bacteria Capture, Separation, and Near-Infrared Photothermal Treatment. <i>Chemistry - A European Journal</i> , 2015, 21, 6582-6589.	1.7	28
123	A novel modularized optical sensor for pH monitoring in biological matrixes. <i>Biosensors and Bioelectronics</i> , 2018, 109, 150-155.	5.3	28
124	Microwave-triggered ionic liquid-based hydrogel dressing with excellent hyperthermia and transdermal drug delivery performance. <i>Chemical Engineering Journal</i> , 2022, 429, 131590.	6.6	28
125	Iodine excitation in a dielectric barrier discharge micro-plasma and its determination by optical emission spectrometry. <i>Analyst</i> , 2013, 138, 1719.	1.7	27
126	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.	2.0	27



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127	Dielectric barrier discharge non-thermal micro-plasma for the excitation and emission spectrometric detection of ammonia. <i>Analyst</i> , 2011, 136, 2552.	1.7	26
128	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.	2.2	26
129	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.	2.9	26
130	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.	3.2	26
131	Discrimination of antibiotic-resistant Gram-negative bacteria with a novel 3D nano sensing array. <i>Chemical Communications</i> , 2020, 56, 1717-1720.	2.2	26
132	Recent advances in single-cell ultra-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115886.	5.8	26
133	Red-emission hydrophobic porphyrin structure carbon dots linked with transferrin for cell imaging. <i>Talanta</i> , 2020, 217, 121014.	2.9	26
134	An Integrated Strategy for Mass Spectrometry-Based Multiomics Analysis of Single Cells. <i>Analytical Chemistry</i> , 2021, 93, 14059-14067.	3.2	26
135	Acetylcholinesterase Activity Monitoring and Natural Anti-neurological Disease Drug Screening via Rational Design of Deep Eutectic Solvents and CeO <sub>2</sub> -Co(OH) <sub>2</sub> Nanosheets. <i>Analytical Chemistry</i> , 2022, 94, 5970-5979.	3.2	26
136	Encapsulation of silica nano-spheres with polymerized ionic liquid for selective isolation of acidic proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8799-8806.	1.9	25
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141	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.	3.2	25
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157	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.	2.6	21
158	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.	2.6	21
159	A miniaturized photoacoustic device with laptop readout for point-of-care testing of blood glucose. <i>Talanta</i> , 2020, 209, 120527.	2.9	21
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185	Simultaneous metabolomics and proteomics analysis of plasma-derived extracellular vesicles. <i>Analytical Methods</i> , 2021, 13, 1930-1938.	1.3	18
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218	Polyoxometalate-functionalized macroporous microspheres for selective separation/enrichment of glycoproteins. <i>Chemical Communications</i> , 2020, 56, 9870-9873.	2.2	12
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237	Discrimination of pathogenic bacteria with boronic acid modified protonated g-C <sub>3</sub> N <sub>4</sub> nanosheets at various pHs. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129951.	4.0	9
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249	Immunolabeling lanthanide nanoparticles for alpha-fetoprotein measurement and cancer cells counting with detection of ICP-MS. <i>Analytica Chimica Acta</i> , 2022, 1201, 339639.	2.6	8
250	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.	4.0	8
251	Stabilization of Gold Nanoparticles by Hairpin DNA and Implications for Label-Free Colorimetric Biosensors. <i>Langmuir</i> , 2022, 38, 5542-5549.	1.6	8
252	Dual mode assay of glutathione with Tb-doped g-C <sub>3</sub> N <sub>4</sub> /MnO <sub>2</sub> nanoconjugates as fluorescence probe and Mn as elemental target. <i>Analytica Chimica Acta</i> , 2022, 1221, 340100.	2.6	8

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254	Purification of hemoglobin by adsorption on nitrogen-doped flower-like carbon superstructures. <i>Mikrochimica Acta</i> , 2020, 187, 162.	2.5	7
255	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.	2.6	7
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258	Mitochondria-targeted ratiometric fluorescent imaging of cysteine. <i>Analyst, The</i> , 2021, 146, 4642-4648.	1.7	7
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265	Aptamer/AuNPs encoders endow precise identification and discrimination of lipoprotein subclasses. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113743.	5.3	6
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268	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.	2.5	5
269	Identification of intracellular cadmium transformation in HepG2 and MCF-7 cells. <i>Talanta</i> , 2020, 218, 121065.	2.9	5
270	Insights into Surface Charge of Single Particles at the Orifice of a Nanopipette. <i>Analytical Chemistry</i> , 2022, 94, 8187-8193.	3.2	5



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