

# Lianhui Wang

## List of Publications by Year in descending order

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291  
papers

16,101  
citations

10956

71  
h-index

23472

111  
g-index

295  
all docs

295  
docs citations

295  
times ranked

19972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of MoS <sub>2</sub> -Polyvinylpyrrolidone Nanocomposites for Flexible Nonvolatile Rewritable Memory Devices with Reduced Graphene Oxide Electrodes. <i>Small</i> , 2012, 8, 3517-3522.	5.2	393
2	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1855-1858.	7.2	325
3	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	11.1	322
4	General synthesis of noble metal (Au, Ag, Pd, Pt) nanocrystal modified MoS <sub>2</sub> nanosheets and the enhanced catalytic activity of Pd-MoS <sub>2</sub> for methanol oxidation. <i>Nanoscale</i> , 2014, 6, 5762-5769.	2.8	311
5	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <i>RSC Advances</i> , 2012, 2, 4364.	1.7	285
6	Polyfluorene-based semiconductors combined with various periodic table elements for organic electronics. <i>Progress in Polymer Science</i> , 2012, 37, 1192-1264.	11.8	280
7	The cytotoxicity of CdTe quantum dots and the relative contributions from released cadmium ions and nanoparticle properties. <i>Biomaterials</i> , 2010, 31, 4829-4834.	5.7	265
8	Microwave Synthesis of Water-Dispersed CdTe/CdS/ZnS Core-Shell Quantum Dots with Excellent Photostability and Biocompatibility. <i>Advanced Materials</i> , 2008, 20, 3416-3421.	11.1	261
9	Microwave-Assisted Preparation of White Fluorescent Graphene Quantum Dots as a Novel Phosphor for Enhanced White-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016, 26, 2739-2744.	7.8	223
10	Recent Advances in Synthesis and Biomedical Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets. <i>Small</i> , 2017, 13, 1602660.	5.2	221
11	Creating SERS Hot Spots on MoS <sub>2</sub> Nanosheets with in Situ Grown Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18735-18741.	4.0	217
12	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. <i>Journal of the American Chemical Society</i> , 2015, 137, 10430-10436.	6.6	214
13	Gold nanoparticle-decorated MoS <sub>2</sub> nanosheets for simultaneous detection of ascorbic acid, dopamine and uric acid. <i>RSC Advances</i> , 2014, 4, 27625.	1.7	206
14	DNA Hydrogel with Aptamer-Toehold-Based Recognition, Cloaking, and Decloaking of Circulating Tumor Cells for Live Cell Analysis. <i>Nano Letters</i> , 2017, 17, 5193-5198.	4.5	204
15	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
16	Synthesis of graphene-carbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 17044.	6.7	197
17	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886.	5.3	191
18	Efficient Bacteria Killing by Cu <sub>2</sub> WS <sub>4</sub> Nanocrystals with Enzyme-like Properties and Bacteria-Binding Ability. <i>ACS Nano</i> , 2019, 13, 13797-13808.	7.3	190

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19	Solving mazes with single-molecule DNA navigators. <i>Nature Materials</i> , 2019, 18, 273-279.	13.3	190
20	Microwave-Assisted Synthesis of Water-Dispersed CdTe Nanocrystals with High Luminescent Efficiency and Narrow Size Distribution. <i>Chemistry of Materials</i> , 2007, 19, 359-365.	3.2	181
21	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	3.2	173
22	Dual-mode electrochemical analysis of microRNA-21 using gold nanoparticle-decorated MoS <sub>2</sub> nanosheet. <i>Biosensors and Bioelectronics</i> , 2017, 94, 552-559.	5.3	169
23	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2171-2175.	7.2	164
24	Dual-Target Electrochemical Biosensing Based on DNA Structural Switching on Gold Nanoparticle-Decorated MoS <sub>2</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6826-6833.	4.0	155
25	Multivalent Capture and Detection of Cancer Cells with DNA Nanostructured Biosensors and Multibranch Hybridization Chain Reaction Amplification. <i>Analytical Chemistry</i> , 2014, 86, 7843-7848.	3.2	154
26	The synthesis of shape-controlled MnO <sub>2</sub> /graphene composites via a facile one-step hydrothermal method and their application in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12818.	5.2	148
27	DNA nanotechnology-enabled biosensors. <i>Biosensors and Bioelectronics</i> , 2016, 76, 68-79.	5.3	147
28	Direct electrochemistry of glucose oxidase and a biosensor for glucose based on a glass carbon electrode modified with MoS <sub>2</sub> nanosheets decorated with gold nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 1497-1503.	2.5	145
29	Aqueous phase preparation of ultrasmall MoSe <sub>2</sub> nanodots for efficient photothermal therapy of cancer cells. <i>Nanoscale</i> , 2016, 8, 2720-2726.	2.8	142
30	Label-Free Electrochemical Sensing Platform for MicroRNA-21 Detection Using Thionine and Gold Nanoparticles Co-Functionalized MoS <sub>2</sub> Nanosheet. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35597-35603.	4.0	141
31	DNA-Conjugated Quantum Dot Nanoprobe for High-Sensitivity Fluorescent Detection of DNA and micro-RNA. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1152-1157.	4.0	138
32	Antifouling and antibacterial hydrogel coatings with self-healing properties based on a dynamic disulfide exchange reaction. <i>Polymer Chemistry</i> , 2015, 6, 7027-7035.	1.9	131
33	Facile Synthesis of a MoS <sub>2</sub> -Prussian Blue Nanocube Nanohybrid-Based Electrochemical Sensing Platform for Hydrogen Peroxide and Carcinoembryonic Antigen Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12773-12781.	4.0	124
34	High-performance CdS@ZnS core-shell nanorod array photoelectrode for photoelectrochemical hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 535-541.	5.2	123
35	Quantizing single-molecule surface-enhanced Raman scattering with DNA origami metamolecules. <i>Science Advances</i> , 2019, 5, eaau4506.	4.7	118
36	A Rational Molecular Design of $\beta$ -Phase Polydiaryluorenes: Synthesis, Morphology, and Organic Lasers. <i>Macromolecules</i> , 2014, 47, 1001-1007.	2.2	115

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37	Two-dimensional nanomaterials for biosensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115610.	5.8	113
38	On-Electrode Synthesis of Shape-Controlled Hierarchical Flower-Like Gold Nanostructures for Efficient Interfacial DNA Assembly and Sensitive Electrochemical Sensing of MicroRNA. <i>Small</i> , 2016, 12, 3794-3801.	5.2	110
39	Cu <sub>2</sub> MoS <sub>4</sub> Nanozyme with NIR-II Light Enhanced Catalytic Activity for Efficient Eradication of Multidrug-Resistant Bacteria. <i>Small</i> , 2020, 16, e2001099.	5.2	110
40	MoS <sub>2</sub> @polydopamine-Ag nanosheets with enhanced antibacterial activity for effective treatment of <i>Staphylococcus aureus</i> biofilms and wound infection. <i>Nanoscale</i> , 2018, 10, 16711-16720.	2.8	109
41	Highly Sensitive and Selective Determination of Dopamine in the Presence of Ascorbic Acid Using Gold Nanoparticles-Decorated MoS <sub>2</sub> Nanosheets Modified Electrode. <i>Electroanalysis</i> , 2013, 25, 2523-2529.	1.5	108
42	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. <i>Analytical Chemistry</i> , 2016, 88, 4949-4954.	3.2	107
43	DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. <i>Small</i> , 2015, 11, 1385-1389.	5.2	106
44	Ultrasensitive silver nanorods array SERS sensor for mercury ions. <i>Biosensors and Bioelectronics</i> , 2017, 87, 59-65.	5.3	104
45	Highly Biocompatible Chlorin e6-Loaded Chitosan Nanoparticles for Improved Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9980-9987.	4.0	103
46	Shape-controlled gold nanoparticles supported on MoS <sub>2</sub> nanosheets: synergistic effect of thionine and MoS <sub>2</sub> and their application for electrochemical label-free immunosensing. <i>Nanoscale</i> , 2015, 7, 19129-19135.	2.8	102
47	Rapid preparation of single-layer transition metal dichalcogenide nanosheets via ultrasonication enhanced lithium intercalation. <i>Chemical Communications</i> , 2016, 52, 529-532.	2.2	102
48	Structural DNA Nanotechnology for Intelligent Drug Delivery. <i>Small</i> , 2014, 10, 4626-4635.	5.2	101
49	Real-Time Imaging of Single-Molecule Enzyme Cascade Using a DNA Origami Raft. <i>Journal of the American Chemical Society</i> , 2017, 139, 17525-17532.	6.6	100
50	Uniform Au@Pt core-shell nanodendrites supported on molybdenum disulfide nanosheets for the methanol oxidation reaction. <i>Nanoscale</i> , 2016, 8, 602-608.	2.8	98
51	A Bidirectional Deep Neural Network for Accurate Silicon Color Design. <i>Advanced Materials</i> , 2019, 31, e1905467.	11.1	98
52	Accelerating thrombolysis using a precision and clot-penetrating drug delivery strategy by nanoparticle-shelled microbubbles. <i>Science Advances</i> , 2020, 6, eaaz8204.	4.7	98
53	Single-Molecule Analysis of MicroRNA and Logic Operations Using a Smart Plasmonic Nanobiosensor. <i>Journal of the American Chemical Society</i> , 2018, 140, 3988-3993.	6.6	97
54	Probing Cellular Molecules with PolyA-Based Engineered Aptamer Nanobeacon. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8014-8020.	4.0	95

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55	Gold Nanoparticle-Mediated Jigsaw-Puzzle-Like Assembly of Supersized Plasmonic DNA Origami. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2966-2969.	7.2	94
56	The self-assembly of shape controlled functionalized graphene-MnO <sub>2</sub> composites for application as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9178-9184.	5.2	93
57	Novel catalytic micromotor of porous zeolitic imidazolate framework-67 for precise drug delivery. <i>Nanoscale</i> , 2018, 10, 11384-11391.	2.8	93
58	Rational design of metallophosphors with tunable aggregation-induced phosphorescent emission and their promising applications in time-resolved luminescence assay and targeted luminescence imaging of cancer cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22167.	6.7	91
59	ZnO nanoparticles as an antimicrobial tissue adhesive for skin wound closure. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4535-4541.	2.9	90
60	RGD-QD-MoS <sub>2</sub> nanosheets for targeted fluorescent imaging and photothermal therapy of cancer. <i>Nanoscale</i> , 2017, 9, 15835-15845.	2.8	90
61	Potentiating hypoxic microenvironment for antibiotic activation by photodynamic therapy to combat bacterial biofilm infections. <i>Nature Communications</i> , 2022, 13, .	5.8	87
62	DNA origami cryptography for secure communication. <i>Nature Communications</i> , 2019, 10, 5469.	5.8	84
63	A portable triboelectric spirometer for wireless pulmonary function monitoring. <i>Biosensors and Bioelectronics</i> , 2021, 187, 113329.	5.3	83
64	Preparation and Characterization of Polyfluorene-Based Supramolecular $\pi$ -Conjugated Polymer Gels. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4418-4424.	1.5	82
65	Nanogel-Incorporated Injectable Hydrogel for Synergistic Therapy Based on Sequential Local Delivery of Combretastatin-A4 Phosphate (CA4P) and Doxorubicin (DOX). <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18560-18573.	4.0	82
66	Gold nanostars for cancer cell-targeted SERS-imaging and NIR light-triggered plasmonic photothermal therapy (PPTT) in the first and second biological windows. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2001-2008.	2.9	82
67	A Surface-Confined Proton-Driven DNA Pump Using a Dynamic 3D DNA Scaffold. <i>Advanced Materials</i> , 2016, 28, 6860-6865.	11.1	79
68	Host-Guest Interactions Initiated Supramolecular Chitosan Nanogels for Selective Intracellular Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28665-28670.	4.0	79
69	Microwave-assisted solvothermal preparation of nitrogen and sulfur co-doped reduced graphene oxide and graphene quantum dots hybrids for highly efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20605-20611.	5.2	76
70	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8036-8040.	7.2	74
71	Facile Synthesis of Yolk-Shell-Structured Triple-Hybridized Periodic Mesoporous Organosilica Nanoparticles for Biomedicine. <i>Small</i> , 2016, 12, 3550-3558.	5.2	73
72	DNA origami-based shape IDs for single-molecule nanomechanical genotyping. <i>Nature Communications</i> , 2017, 8, 14738.	5.8	73

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73	Recent development of nanomedicine for the treatment of bacterial biofilm infections. <i>View</i> , 2021, 2, 20200065.	2.7	73
74	Evaluation of toxic effects of CdTe quantum dots on the reproductive system in adult male mice. <i>Biomaterials</i> , 2016, 96, 24-32.	5.7	70
75	DNA-based plasmonic nanostructures. <i>Materials Today</i> , 2015, 18, 326-335.	8.3	68
76	Colorimetric/SERS dual-mode detection of mercury ion via SERS-Active peroxidase-like Au@AgPt NPs. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127849.	4.0	68
77	A MoS <sub>2</sub> -based system for efficient immobilization of hemoglobin and biosensing applications. <i>Nanotechnology</i> , 2015, 26, 274005.	1.3	66
78	Dually Ordered Porous TiO <sub>2</sub> /rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017, 29, 1604795.	11.1	66
79	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016, 12, 5920-5926.	5.2	65
80	Biofilm Microenvironment-Responsive Nanotheranostics for Dual-Mode Imaging and Hypoxia-Relief-Enhanced Photodynamic Therapy of Bacterial Infections. <i>Research</i> , 2020, 2020, 9426453.	2.8	65
81	Encoding DNA Frameworks for Amplified Multiplexed Imaging of Intracellular microRNAs. <i>Analytical Chemistry</i> , 2021, 93, 2226-2234.	3.2	64
82	Intracellular MicroRNA Imaging with MoS <sub>2</sub> -Supported Nonenzymatic Catassembly of DNA Hairpins. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20725-20733.	4.0	63
83	Cationic Conjugated Polymer/Hyaluronan-Doxorubicin Complex for Sensitive Fluorescence Detection of Hyaluronidase and Tumor-Targeting Drug Delivery and Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21529-21537.	4.0	62
84	Polymeric Nanomedicine with "Lego"-Surface Allowing Modular Functionalization and Drug Encapsulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25090-25098.	4.0	62
85	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11695-11701.	7.2	62
86	Restriction of Photoinduced Twisted Intramolecular Charge Transfer. <i>ChemPhysChem</i> , 2011, 12, 397-404.	1.0	60
87	MnO <sub>2</sub> /Graphene Nanocomposites for Nonenzymatic Electrochemical Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2015, 27, 353-359.	1.5	58
88	Templating C <sub>60</sub> on MoS <sub>2</sub> Nanosheets for 2D Hybrid van der Waals Heterojunctions. <i>Chemistry of Materials</i> , 2016, 28, 4300-4306.	3.2	58
89	An eco-friendly in situ activatable antibiotic via cucurbit[8]uril-mediated supramolecular crosslinking of branched polyethylenimine. <i>Chemical Communications</i> , 2017, 53, 5870-5873.	2.2	58
90	A lipase-responsive antifungal nanoplatform for synergistic photodynamic/photothermal/pharmaco-therapy of azole-resistant <i>Candida albicans</i> infections. <i>Chemical Communications</i> , 2019, 55, 15145-15148.	2.2	57

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91	Efficient sequential harvesting of solar light by heterogeneous hollow shells with hierarchical pores. <i>National Science Review</i> , 2020, 7, 1638-1646.	4.6	57
92	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. <i>Analytical Chemistry</i> , 2016, 88, 8043-8049.	3.2	54
93	Individual Au-Nanocube Based Plasmonic Nanoprobe for Cancer Relevant MicroRNA Biomarker Detection. <i>ACS Sensors</i> , 2017, 2, 1435-1440.	4.0	52
94	A systematic evaluation of the biocompatibility of cucurbit[7]uril in mice. <i>Scientific Reports</i> , 2018, 8, 8819.	1.6	52
95	Synthesis of an AIEgen functionalized cucurbit[7]uril for subcellular bioimaging and synergistic photodynamic therapy and supramolecular chemotherapy. <i>Chemical Science</i> , 2021, 12, 7727-7734.	3.7	52
96	A multifunctional Fenton nanoagent for microenvironment-selective anti-biofilm and anti-inflammatory therapy. <i>Materials Horizons</i> , 2021, 8, 1264-1271.	6.4	51
97	The synthesis of shape-controlled $\text{MoO}_3/\text{graphene}$ nanocomposites for high performance supercapacitors. <i>New Journal of Chemistry</i> , 2015, 39, 8780-8786.	1.4	50
98	Cationic Conjugated Polymer/Fluoresceinamine-Hyaluronan Complex for Sensitive Fluorescence Detection of CD44 and Tumor-Targeted Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19144-19153.	4.0	49
99	Self-propelled manganese oxide-based catalytic micromotors for drug delivery. <i>RSC Advances</i> , 2016, 6, 65624-65630.	1.7	49
100	Synthesis of large-scale undoped and nitrogen-doped amorphous graphene on MgO substrate by chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2012, 22, 19679.	6.7	48
101	Graphene Oxide-Assisted Nucleic Acids Assays Using Conjugated Polyelectrolytes-Based Fluorescent Signal Transduction. <i>Analytical Chemistry</i> , 2015, 87, 3877-3883.	3.2	48
102	Au nanoparticles on two-dimensional $\text{MoS}_2$ nanosheets as a photoanode for efficient photoelectrochemical miRNA detection. <i>Analyst</i> , 2018, 143, 1705-1712.	1.7	48
103	Tunable Nonvolatile Memory Behaviors of PCBM/ $\text{MoS}_2$ 2D Nanocomposites through Surface Deposition Ratio Control. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6552-6559.	4.0	48
104	Plasmonic Nanobiosensor Based on Hairpin DNA for Detection of Trace Oligonucleotides Biomarker in Cancers. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2459-2466.	4.0	47
105	Flexible all-solid-state micro-supercapacitor based on Ni fiber electrode coated with $\text{MnO}_2$ and reduced graphene oxide via electrochemical deposition. <i>Science China Materials</i> , 2018, 61, 243-253.	3.5	47
106	NiO nanowall-assisted growth of thick carbon nanofiber layers on metal wires for fiber supercapacitors. <i>Chemical Communications</i> , 2016, 52, 2721-2724.	2.2	46
107	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. <i>Electroanalysis</i> , 2015, 27, 1062-1072.	1.5	45
108	Combination assay of lung cancer associated serum markers using surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1811-1817.	2.9	45



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109	Direct Observation of Semiconductorâ€“Metal Phase Transition in Bilayer Tungsten Diselenide Induced by Potassium Surface Functionalization. <i>ACS Nano</i> , 2018, 12, 2070-2077.	7.3	44
110	Efficient biofunctionalization of MoS <sub>2</sub> nanosheets with peptides as intracellular fluorescent biosensor for sensitive detection of caspase-3 activity. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 96-105.	5.0	44
111	Fluorene-based macromolecular nanostructures and nanomaterials for organic (opto)electronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120337.	1.6	43
112	Improving performance of MoS <sub>2</sub> -based electrochemical sensors by decorating noble metallic nanoparticles on the surface of MoS <sub>2</sub> nanosheet. <i>RSC Advances</i> , 2016, 6, 76614-76620.	1.7	43
113	Ultrasensitive analysis of carcinoembryonic antigen based on MoS <sub>2</sub> -based electrochemical immunosensor with triple signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 140, 111353.	5.3	43
114	Efficient click chemistry towards fatty acids containing 1,2,3-triazole: Design and synthesis as potential antifungal drugs for <i>Candida albicans</i> . <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 596-602.	2.6	42
115	SPR/SERS dual-mode plasmonic biosensor via catalytic hairpin assembly-induced AuNP network. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113376.	5.3	42
116	Far-red/near-infrared fluorescent conjugated polymer nanoparticles with size-dependent chirality and cell imaging applications. <i>Polymer Chemistry</i> , 2015, 6, 3962-3969.	1.9	41
117	MoS <sub>2</sub> -Au@Pt nanohybrids as a sensing platform for electrochemical nonenzymatic glucose detection. <i>New Journal of Chemistry</i> , 2018, 42, 6750-6755.	1.4	40
118	Macrocyclic-wrapped polyethylenimine for gene delivery with reduced cytotoxicity. <i>Biomaterials Science</i> , 2018, 6, 1031-1039.	2.6	40
119	Polyhedral Oligomeric Silsesquioxane (POSS)-Based Cationic Conjugated Oligoelectrolyte/Porphyrin for Efficient Energy Transfer and Multi-amplified Antimicrobial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34455-34463.	4.0	40
120	Reduction of graphene oxide quantum dots to enhance the yield of reactive oxygen species for photodynamic therapy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17262-17267.	1.3	40
121	High-Sensitive Assay of Nucleic Acid Using Tetrahedral DNA Probes and DNA Concatamers with a Surface-Enhanced Raman Scattering/Surface Plasmon Resonance Dual-Mode Biosensor Based on a Silver Nanorod-Covered Silver Nanohole Array. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31242-31254.	4.0	40
122	Molybdenum disulfide (MoS <sub>2</sub> ) nanosheets-based hydrogels with light-triggered self-healing property for flexible sensors. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 601-612.	5.0	40
123	SERS-based mercury ion detections: principles, strategies and recent advances. <i>Science China Chemistry</i> , 2016, 59, 16-29.	4.2	39
124	Neural network enabled metasurface design for phase manipulation. <i>Optics Express</i> , 2021, 29, 2521.	1.7	39
125	Hydrogen-Bonded Supramolecular Conjugated Polymer Nanoparticles for White Light-Emitting Devices. <i>Macromolecular Rapid Communications</i> , 2014, 35, 895-900.	2.0	37
126	An Individual Nanocube-Based Plasmonic Biosensor for Real-Time Monitoring the Structural Switch of the Telomeric G-Quadruplex. <i>Small</i> , 2016, 12, 2913-2920.	5.2	37



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127	Synthesis of Novel Gold Mesoflowers as SERS Tags for Immunoassay with Improved Sensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21842-21850.	4.0	36
128	pH/NIR-responsive semiconducting polymer nanoparticles for highly effective photoacoustic image guided chemo-photothermal synergistic therapy. <i>Journal of Controlled Release</i> , 2019, 293, 94-103.	4.8	36
129	Refractive index dependent real-time plasmonic nanoprobe on a single silver nanocube for ultrasensitive detection of the lung cancer-associated miRNAs. <i>Chemical Communications</i> , 2015, 51, 294-297.	2.2	35
130	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. <i>Small</i> , 2017, 13, 1603991.	5.2	35
131	Synthesis of magnetic core-branched Au shell nanostructures and their application in cancer-related miRNA detection via SERS. <i>Science China Materials</i> , 2017, 60, 1129-1144.	3.5	35
132	Antibody-Functionalized MoS <sub>2</sub> Nanosheets for Targeted Photothermal Therapy of <i>Staphylococcus aureus</i> Focal Infection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 218.	2.0	35
133	Colorimetric Analysis of Carcinoembryonic Antigen Using Highly Catalytic Gold Nanoparticles-Decorated MoS <sub>2</sub> Nanocomposites. <i>ACS Applied Bio Materials</i> , 2019, 2, 292-298.	2.3	35
134	Conjugated polymer nanoparticles with aggregation induced emission characteristics for intracellular FRET sensing. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1686-1693.	2.5	34
135	Ultrasensitive SERS detection of nucleic acids via simultaneous amplification of target-triggered enzyme-free recycling and multiple-reporter. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111402.	5.3	34
136	High peroxidase-mimicking activity of gold@platinum bimetallic nanoparticle-supported molybdenum disulfide nanohybrids for the selective colorimetric analysis of cysteine. <i>Chemical Communications</i> , 2020, 56, 12351-12354.	2.2	34
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285	An unusual (3,4)-connected cubic-C <sub>3</sub> N <sub>4</sub> type network constructed with [Fe <sup>III</sup> (Tp)(CN) <sub>3</sub> ] <sup>+</sup> (Tp <sup>+</sup> = ) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	2
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