

# Lianhui Wang

## List of Publications by Year in descending order

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291  
papers

16,101  
citations

10986  
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23533  
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docs citations

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times ranked

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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.	10.0	393
2	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1855-1858.	13.8	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.	21.0	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.	5.6	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.	3.6	285
6	Polyfluorene-based semiconductors combined with various periodic table elements for organic electronics. <i>Progress in Polymer Science</i> , 2012, 37, 1192-1264.	24.7	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.	11.4	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.	21.0	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.	14.9	223
10	Recent Advances in Synthesis and Biomedical Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets. <i>Small</i> , 2017, 13, 1602660.	10.0	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.	8.0	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.	13.7	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.	3.6	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.	9.1	204
15	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	21.0	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.	10.1	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.	14.6	190

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19	Solving mazes with single-molecule DNA navigators. <i>Nature Materials</i> , 2019, 18, 273-279.	27.5	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.	6.7	181
21	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	5.9	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.	10.1	169
23	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2171-2175.	13.8	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.	8.0	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.	6.5	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.	10.3	148
27	DNA nanotechnology-enabled biosensors. <i>Biosensors and Bioelectronics</i> , 2016, 76, 68-79.	10.1	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.	5.0	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.	5.6	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.	8.0	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.	8.0	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.	3.9	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.	8.0	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.	10.3	123
35	Quantizing single-molecule surface-enhanced Raman scattering with DNA origami metamolecules. <i>Science Advances</i> , 2019, 5, eaau4506.	10.3	118
36	A Rational Molecular Design of $\pi$ -Phase Polydiarylfluorenes: Synthesis, Morphology, and Organic Lasers. <i>Macromolecules</i> , 2014, 47, 1001-1007.	4.8	115

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37	Two-dimensional nanomaterials for biosensing applications. TrAC - Trends in Analytical Chemistry, 2019, 119, 115610.	11.4	113
38	On-Electrode Synthesis of Shape-Controlled Hierarchical Flower-Like Gold Nanostructures for Efficient Interfacial DNA Assembly and Sensitive Electrochemical Sensing of MicroRNA. Small, 2016, 12, 3794-3801.	10.0	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. Small, 2020, 16, e2001099.	10.0	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. Nanoscale, 2018, 10, 16711-16720.	5.6	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. Electroanalysis, 2013, 25, 2523-2529.	2.9	108
42	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. Analytical Chemistry, 2016, 88, 4949-4954.	6.5	107
43	DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. Small, 2015, 11, 1385-1389.	10.0	106
44	Ultrasensitive silver nanorods array SERS sensor for mercury ions. Biosensors and Bioelectronics, 2017, 87, 59-65.	10.1	104
45	Highly Biocompatible Chlorin e6-Loaded Chitosan Nanoparticles for Improved Photodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 9980-9987.	8.0	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. Nanoscale, 2015, 7, 19129-19135.	5.6	102
47	Rapid preparation of single-layer transition metal dichalcogenide nanosheets via ultrasonication enhanced lithium intercalation. Chemical Communications, 2016, 52, 529-532.	4.1	102
48	Structural DNA Nanotechnology for Intelligent Drug Delivery. Small, 2014, 10, 4626-4635.	10.0	101
49	Real-Time Imaging of Single-Molecule Enzyme Cascade Using a DNA Origami Raft. Journal of the American Chemical Society, 2017, 139, 17525-17532.	13.7	100
50	Uniform Au@Pt core-shell nanodendrites supported on molybdenum disulfide nanosheets for the methanol oxidation reaction. Nanoscale, 2016, 8, 602-608.	5.6	98
51	A Bidirectional Deep Neural Network for Accurate Silicon Color Design. Advanced Materials, 2019, 31, e1905467.	21.0	98
52	Accelerating thrombolysis using a precision and clot-penetrating drug delivery strategy by nanoparticle-shelled microbubbles. Science Advances, 2020, 6, eaaz8204.	10.3	98
53	Single-Molecule Analysis of MicroRNA and Logic Operations Using a Smart Plasmonic Nanobiosensor. Journal of the American Chemical Society, 2018, 140, 3988-3993.	13.7	97
54	Probing Cellular Molecules with PolyA-Based Engineered Aptamer Nanobeacon. ACS Applied Materials & Interfaces, 2017, 9, 8014-8020.	8.0	95

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55	Goldâ€Nanoparticleâ€Mediated Jigsawâ€Puzzleâ€like Assembly of Supersized Plasmonic DNA Origami. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2966-2969.	13.8	94
56	The self-assembly of shape controlled functionalized grapheneâ€MnO <sub>2</sub> composites for application as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9178-9184.	10.3	93
57	Novel catalytic micromotor of porous zeolitic imidazolate framework-67 for precise drug delivery. <i>Nanoscale</i> , 2018, 10, 11384-11391.	5.6	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.	5.8	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.	5.6	90
61	Potentiating hypoxic microenvironment for antibiotic activation by photodynamic therapy to combat bacterial biofilm infections. <i>Nature Communications</i> , 2022, 13, .	12.8	87
62	DNA origami cryptography for secure communication. <i>Nature Communications</i> , 2019, 10, 5469.	12.8	84
63	A portable triboelectric spirometer for wireless pulmonary function monitoring. <i>Biosensors and Bioelectronics</i> , 2021, 187, 113329.	10.1	83
64	Preparation and Characterization of Polyfluorene-Based Supramolecular ĩ€-Conjugated Polymer Gels. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4418-4424.	3.1	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.	8.0	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.	5.8	82
67	A Surfaceâ€Confined Protonâ€Driven DNA Pump Using a Dynamic 3D DNA Scaffold. <i>Advanced Materials</i> , 2016, 28, 6860-6865.	21.0	79
68	Hostâ€Guest Interactions Initiated Supramolecular Chitosan Nanogels for Selective Intracellular Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28665-28670.	8.0	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.	10.3	76
70	Transfer of Twoâ€Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNAâ€Origamiâ€Based Nanoimprinting Lithography. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8036-8040.	13.8	74
71	Facile Synthesis of Yolk-Shell-Structured Triple-Hybridized Periodic Mesoporous Organosilica Nanoparticles for Biomedicine. <i>Small</i> , 2016, 12, 3550-3558.	10.0	73
72	DNA origami-based shape IDs for single-molecule nanomechanical genotyping. <i>Nature Communications</i> , 2017, 8, 14738.	12.8	73

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73	Recent development of nanomedicine for the treatment of bacterial biofilm infections. View, 2021, 2, 20200065.	5.3	73
74	Evaluation of toxic effects of CdTe quantum dots on the reproductive system in adult male mice. Biomaterials, 2016, 96, 24-32.	11.4	70
75	DNA-based plasmonic nanostructures. Materials Today, 2015, 18, 326-335.	14.2	68
76	Colorimetric/SERS dual-mode detection of mercury ion via SERS-Active peroxidase-like Au@AgPt NPs. Sensors and Actuators B: Chemical, 2020, 310, 127849.	7.8	68
77	A MoS <sub>2</sub> -based system for efficient immobilization of hemoglobin and biosensing applications. Nanotechnology, 2015, 26, 274005.	2.6	66
78	Dually Ordered Porous TiO <sub>2</sub> /rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. Advanced Materials, 2017, 29, 1604795.	21.0	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. Small, 2016, 12, 5920-5926.	10.0	65
80	Biofilm Microenvironment-Responsive Nanotheranostics for Dual-Mode Imaging and Hypoxia-Relief-Enhanced Photodynamic Therapy of Bacterial Infections. Research, 2020, 2020, 9426453.	5.7	65
81	Encoding DNA Frameworks for Amplified Multiplexed Imaging of Intracellular microRNAs. Analytical Chemistry, 2021, 93, 2226-2234.	6.5	64
82	Intracellular MicroRNA Imaging with MoS <sub>2</sub> -Supported Nonenzymatic Catassembly of DNA Hairpins. ACS Applied Materials & Interfaces, 2019, 11, 20725-20733.	8.0	63
83	Cationic Conjugated Polymer/Hyaluronan-Doxorubicin Complex for Sensitive Fluorescence Detection of Hyaluronidase and Tumor-Targeting Drug Delivery and Imaging. ACS Applied Materials & Interfaces, 2015, 7, 21529-21537.	8.0	62
84	Polymeric Nanomedicine with "Lego" Surface Allowing Modular Functionalization and Drug Encapsulation. ACS Applied Materials & Interfaces, 2018, 10, 25090-25098.	8.0	62
85	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2021, 60, 11695-11701.	13.8	62
86	Restriction of Photoinduced Twisted Intramolecular Charge Transfer. ChemPhysChem, 2011, 12, 397-404.	2.1	60
87	MnO <sub>2</sub> /Graphene Nanocomposites for Nonenzymatic Electrochemical Detection of Hydrogen Peroxide. Electroanalysis, 2015, 27, 353-359.	2.9	58
88	Templating C <sub>60</sub> on MoS <sub>2</sub> Nanosheets for 2D Hybrid van der Waals Heterojunctions. Chemistry of Materials, 2016, 28, 4300-4306.	6.7	58
89	An eco-friendly in situ activatable antibiotic via cucurbit[8]uril-mediated supramolecular crosslinking of branched polyethylenimine. Chemical Communications, 2017, 53, 5870-5873.	4.1	58
90	A lipase-responsive antifungal nanoplatform for synergistic photodynamic/photothermal/pharmaco-therapy of azole-resistant <i>Candida albicans</i> infections. Chemical Communications, 2019, 55, 15145-15148.	4.1	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.	9.5	57
92	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. <i>Analytical Chemistry</i> , 2016, 88, 8043-8049.	6.5	54
93	Individual Au-Nanocube Based Plasmonic Nanoprobe for Cancer Relevant MicroRNA Biomarker Detection. <i>ACS Sensors</i> , 2017, 2, 1435-1440.	7.8	52
94	A systematic evaluation of the biocompatibility of cucurbit[7]uril in mice. <i>Scientific Reports</i> , 2018, 8, 8819.	3.3	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.	7.4	52
96	A multifunctional Fenton nanoagent for microenvironment-selective anti-biofilm and anti-inflammatory therapy. <i>Materials Horizons</i> , 2021, 8, 1264-1271.	12.2	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.	2.8	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.	8.0	49
99	Self-propelled manganese oxide-based catalytic micromotors for drug delivery. <i>RSC Advances</i> , 2016, 6, 65624-65630.	3.6	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.	6.5	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.	3.5	48
103	Tunable Nonvolatile Memory Behaviors of $\text{PCBM}/\text{MoS}_2$ 2D Nanocomposites through Surface Deposition Ratio Control. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6552-6559.	8.0	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.	8.0	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.	6.3	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.	4.1	46
107	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. <i>Electroanalysis</i> , 2015, 27, 1062-1072.	2.9	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.	5.8	45



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109	Direct Observation of Semiconductorâ€™Metal Phase Transition in Bilayer Tungsten Diselenide Induced by Potassium Surface Functionalization. ACS Nano, 2018, 12, 2070-2077.	14.6	44
110	Efficient biofunctionalization of MoS <sub>2</sub> nanosheets with peptides as intracellular fluorescent biosensor for sensitive detection of caspase-3 activity. Journal of Colloid and Interface Science, 2019, 543, 96-105.	9.4	44
111	Fluorene-based macromolecular nanostructures and nanomaterials for organic (opto)electronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120337.	3.4	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. RSC Advances, 2016, 6, 76614-76620.	3.6	43
113	Ultrasensitive analysis of carcinoembryonic antigen based on MoS <sub>2</sub> -based electrochemical immunosensor with triple signal amplification. Biosensors and Bioelectronics, 2019, 140, 111353.	10.1	43
114	Efficient click chemistry towards fatty acids containing 1,2,3-triazole: Design and synthesis as potential antifungal drugs for Candida albicans. European Journal of Medicinal Chemistry, 2017, 136, 596-602.	5.5	42
115	SPR/SERS dual-mode plasmonic biosensor via catalytic hairpin assembly-induced AuNP network. Biosensors and Bioelectronics, 2021, 190, 113376.	10.1	42
116	Far-red/near-infrared fluorescent conjugated polymer nanoparticles with size-dependent chirality and cell imaging applications. Polymer Chemistry, 2015, 6, 3962-3969.	3.9	41
117	MoS <sub>2</sub> -Au@Pt nanohybrids as a sensing platform for electrochemical nonenzymatic glucose detection. New Journal of Chemistry, 2018, 42, 6750-6755.	2.8	40
118	Macrocyclic-wrapped polyethylenimine for gene delivery with reduced cytotoxicity. Biomaterials Science, 2018, 6, 1031-1039.	5.4	40
119	Polyhedral Oligomeric Silsesquioxane (POSS)-Based Cationic Conjugated Oligoelectrolyte/Porphyrin for Efficient Energy Transfer and Multi-amplified Antimicrobial Activity. ACS Applied Materials & Interfaces, 2018, 10, 34455-34463.	8.0	40
120	Reduction of graphene oxide quantum dots to enhance the yield of reactive oxygen species for photodynamic therapy. Physical Chemistry Chemical Physics, 2018, 20, 17262-17267.	2.8	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. ACS Applied Materials & Interfaces, 2020, 12, 31242-31254.	8.0	40
122	Molybdenum disulfide (MoS <sub>2</sub> ) nanosheets-based hydrogels with light-triggered self-healing property for flexible sensors. Journal of Colloid and Interface Science, 2021, 586, 601-612.	9.4	40
123	SERS-based mercury ion detections: principles, strategies and recent advances. Science China Chemistry, 2016, 59, 16-29.	8.2	39
124	Neural network enabled metasurface design for phase manipulation. Optics Express, 2021, 29, 2521.	3.4	39
125	Hydrogenâ€Bonded Supramolecular Conjugated Polymer Nanoparticles for White Lightâ€Emitting Devices. Macromolecular Rapid Communications, 2014, 35, 895-900.	3.9	37
126	An Individual Nanocube-Based Plasmonic Biosensor for Real-Time Monitoring the Structural Switch of the Telomeric G-Quadruplex. Small, 2016, 12, 2913-2920.	10.0	37



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127	Synthesis of Novel Gold Mesoflowers as SERS Tags for Immunoassay with Improved Sensitivity. ACS Applied Materials & Interfaces, 2014, 6, 21842-21850.	8.0	36
128	pH/NIR-responsive semiconducting polymer nanoparticles for highly effective photoacoustic image guided chemo-photothermal synergistic therapy. Journal of Controlled Release, 2019, 293, 94-103.	9.9	36
129	Refractive index dependent real-time plasmonic nanoprobe on a single silver nanocube for ultrasensitive detection of the lung cancer-associated miRNAs. Chemical Communications, 2015, 51, 294-297.	4.1	35
130	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. Small, 2017, 13, 1603991.	10.0	35
131	Synthesis of magnetic core-branched Au shell nanostructures and their application in cancer-related miRNA detection via SERS. Science China Materials, 2017, 60, 1129-1144.	6.3	35
132	Antibody-Functionalized MoS <sub>2</sub> Nanosheets for Targeted Photothermal Therapy of Staphylococcus aureus Focal Infection. Frontiers in Bioengineering and Biotechnology, 2019, 7, 218.	4.1	35
133	Colorimetric Analysis of Carcinoembryonic Antigen Using Highly Catalytic Gold Nanoparticles-Decorated MoS <sub>2</sub> Nanocomposites. ACS Applied Bio Materials, 2019, 2, 292-298.	4.6	35
134	Conjugated polymer nanoparticles with aggregation induced emission characteristics for intracellular $\text{F}^{3+}$ sensing. Journal of Polymer Science Part A, 2016, 54, 1686-1693.	2.3	34
135	Ultrasensitive SERS detection of nucleic acids via simultaneous amplification of target-triggered enzyme-free recycling and multiple-reporter. Biosensors and Bioelectronics, 2019, 141, 111402.	10.1	34
136	High peroxidase-mimicking activity of gold@platinum bimetallic nanoparticle-supported molybdenum disulfide nanohybrids for the selective colorimetric analysis of cysteine. Chemical Communications, 2020, 56, 12351-12354.	4.1	34
137	DNA-based nanoscale walking devices and their applications. RSC Advances, 2017, 7, 47425-47434.	3.6	33
138	Label-Free Analysis of H5N1 Virus Based on Three-Segment Branched DNA-Templated Fluorescent Silver Nanoclusters. ACS Applied Materials & Interfaces, 2020, 12, 48357-48362.	8.0	33
139	Au nanoparticles deposited on ultrathin two-dimensional covalent organic framework nanosheets for <i>in vitro</i> and intracellular sensing. Nanoscale, 2020, 12, 7776-7781.	5.6	33
140	Computational spectrometers enabled by nanophotonics and deep learning. Nanophotonics, 2022, 11, 2507-2529.	6.0	33
141	Plasmonic Heterodimers with Binding Site-Dependent Hot Spot for Surface-Enhanced Raman Scattering. Small, 2018, 14, e1800669.	10.0	32
142	Single-Step Organization of Plasmonic Gold Metamaterials with Self-Assembled DNA Nanostructures. Research, 2019, 2019, 7403580.	5.7	32
143	Cationic, water-soluble, fluorene-containing poly(arylene ethynylene)s: Effects of water solubility on aggregation, photoluminescence efficiency, and amplified fluorescence quenching in aqueous solutions. Journal of Polymer Science Part A, 2006, 44, 5778-5794.	2.3	31
144	Ultrasensitive detection of carcino-embryonic antigen by using novel flower-like gold nanoparticle SERS tags and SERS-active magnetic nanoparticles. RSC Advances, 2014, 4, 41666-41669.	3.6	31

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285	An unusual (3,4)-connected cubic-C <sub>3</sub> N <sub>4</sub> type network constructed with [FeIII(Tp)(CN) <sub>3</sub> ] <sup>+</sup> (Tp <sup>+</sup> = ) Tj ETQq1 1 0.784314 rgBT /Overl	2.6	2
286	Self-Assembly of Micrometer-Long DNA Nanoribbons with Four Oligonucleotides. <i>Chinese Journal of Chemistry</i> , 2015, 33, 522-526.	4.9	2
287	Synthesis, structural characterization and reactivity of a bis(phosphine)(silyl) platinum(II) complex. <i>Journal of Coordination Chemistry</i> , 2015, 68, 4203-4211.	2.2	2
288	A target-mediated fuel-initiated molecular machine for high-sensitive fluorescence assay of the ZIKV gene via strand displacement reaction-based signal recovery and cycling amplification. <i>Analyst</i> , The, 2020, 145, 5475-5481.	3.5	2

#	ARTICLE	IF	CITATIONS
289	A zwitterionic red-emitting water-soluble conjugated polymer with high resistance to nonspecific binding for two-photon cell imaging and good singlet oxygen production capability. New Journal of Chemistry, 2021, 45, 15607-15617.	2.8	2
290	Dysbiosis of gut microbiota and intestinal damage in mice induced by a single intravenous exposure to CdTe quantum dots at low concentration. Journal of Applied Toxicology, 2022, 42, 1757-1765.	2.8	2
291	Sensors: DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection (Small) Tj ETQq1 1 0.784314 rgBT /Overlock 10.0	10.0	1