

# Qiangbin Wang

## List of Publications by Year in descending order

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166  
papers

13,456  
citations

18482

62  
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22832

112  
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170  
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170  
docs citations

170  
times ranked

15100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ag <sub>2</sub> S Quantum Dot: A Bright and Biocompatible Fluorescent Nanoprobe in the Second Near-Infrared Window. ACS Nano, 2012, 6, 3695-3702.	14.6	669
2	In vivo Fluorescence Imaging with Ag <sub>2</sub> S Quantum Dots in the Second Near-Infrared Region. Angewandte Chemie - International Edition, 2012, 51, 9818-9821.	13.8	645
3	Near-Infrared Photoluminescent Ag <sub>2</sub> S Quantum Dots from a Single Source Precursor. Journal of the American Chemical Society, 2010, 132, 1470-1471.	13.7	577
4	Surface Plasmon Resonance Enhanced Light Absorption and Photothermal Therapy in the Second Near-Infrared Window. Journal of the American Chemical Society, 2014, 136, 15684-15693.	13.7	575
5	Advanced Fluorescence Imaging Technology in the Near-Infrared-II Window for Biomedical Applications. Journal of the American Chemical Society, 2020, 142, 14789-14804.	13.7	540
6	Single-Layer Single-Crystalline SnSe Nanosheets. Journal of the American Chemical Society, 2013, 135, 1213-1216.	13.7	433
7	Urchin-like CoP Nanocrystals as Hydrogen Evolution Reaction and Oxygen Reduction Reaction Dual-Electrocatalyst with Superior Stability. Nano Letters, 2015, 15, 7616-7620.	9.1	425
8	In vivo real-time visualization of tissue blood flow and angiogenesis using Ag <sub>2</sub> S quantum dots in the NIR-II window. Biomaterials, 2014, 35, 393-400.	11.4	366
9	Au Nanorod Helical Superstructures with Designed Chirality. Journal of the American Chemical Society, 2015, 137, 457-462.	13.7	289
10	NiFe Alloy Nanoparticles with hcp Crystal Structure Stimulate Superior Oxygen Evolution Reaction Electrocatalytic Activity. Angewandte Chemie - International Edition, 2019, 58, 6099-6103.	13.8	267
11	Facile Synthesis of Highly Photoluminescent Ag <sub>2</sub> Se Quantum Dots as a New Fluorescent Probe in the Second Near-Infrared Window for in Vivo Imaging. Chemistry of Materials, 2013, 25, 2503-2509.	6.7	257
12	Biodistribution, pharmacokinetics and toxicology of Ag <sub>2</sub> S near-infrared quantum dots in mice. Biomaterials, 2013, 34, 3639-3646.	11.4	228
13	Bifacial DNA Origami-Directed Discrete, Three-Dimensional, Anisotropic Plasmonic Nanoarchitectures with Tailored Optical Chirality. Journal of the American Chemical Society, 2013, 135, 11441-11444.	13.7	208
14	Controlled Synthesis of Ag <sub>2</sub> S Quantum Dots and Experimental Determination of the Exciton Bohr Radius. Journal of Physical Chemistry C, 2014, 118, 4918-4923.	3.1	206
15	Tracking of Transplanted Human Mesenchymal Stem Cells in Living Mice using Near-Infrared Ag <sub>2</sub> S Quantum Dots. Advanced Functional Materials, 2014, 24, 2481-2488.	14.9	198
16	Challenges and Opportunities for Intravital Near-Infrared Fluorescence Imaging Technology in the Second Transparency Window. ACS Nano, 2018, 12, 9654-9659.	14.6	198
17	Rational Tuning the Optical Properties of Metal Sulfide Nanocrystals and Their Applications. Chemistry of Materials, 2013, 25, 1166-1178.	6.7	164
18	Polypeptide-Conjugated Second Near-Infrared Organic Fluorophore for Image-Guided Photothermal Therapy. ACS Nano, 2019, 13, 3691-3702.	14.6	159

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19	Real-Time Monitoring Surface Chemistry-Dependent <i>In Vivo</i> Behaviors of Protein Nanocages via Encapsulating an NIR-II Ag <sub>2</sub> S Quantum Dot. <i>ACS Nano</i> , 2015, 9, 12255-12263.	14.6	155
20	Matchstick-Shaped Ag <sub>2</sub> S@ZnS Heteronanostructures Preserving both UV/Blue and Near-Infrared Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7115-7118.	13.8	153
21	DNA-Tile-Directed Self-Assembly of Quantum Dots into Two-Dimensional Nanopatterns. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5157-5159.	13.8	151
22	An Activatable NIR-II Nanoprobe for <i>In Vivo</i> Early Real-Time Diagnosis of Traumatic Brain Injury. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 247-252.	13.8	151
23	Controllable synthesis of monodispersed silver nanoparticles as standards for quantitative assessment of their cytotoxicity. <i>Biomaterials</i> , 2012, 33, 1714-1721.	11.4	150
24	Self-Assembly of Chiral Plasmonic Nanostructures. <i>Advanced Materials</i> , 2016, 28, 10499-10507.	21.0	144
25	Co-Doped Mesoporous Carbon Hollow Spheres as Highly Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>Small</i> , 2017, 13, 1602507.	10.0	143
26	Preoperative Detection and Intraoperative Visualization of Brain Tumors for More Precise Surgery: A New Dual-Modality MRI and NIR Nanoprobe. <i>Small</i> , 2015, 11, 4517-4525.	10.0	128
27	Double-Walled Au Nanocage/SiO <sub>2</sub> Nanorattles: Integrating SERS Imaging, Drug Delivery and Photothermal Therapy. <i>Small</i> , 2015, 11, 985-993.	10.0	120
28	Colloidal Alloyed Quantum Dots with Enhanced Photoluminescence Quantum Yield in the NIR-II Window. <i>Journal of the American Chemical Society</i> , 2021, 143, 2601-2607.	13.7	118
29	Tumor Microenvironment-Activated NIR-II Nanotheranostic System for Precise Diagnosis and Treatment of Peritoneal Metastasis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7219-7223.	13.8	115
30	Real-time <i>in vivo</i> visualization of tumor therapy by a near-infrared-II Ag <sub>2</sub> S quantum dot-based theranostic nanoplatfrom. <i>Nano Research</i> , 2015, 8, 1637-1647.	10.4	113
31	Programmable Chemotherapy and Immunotherapy against Breast Cancer Guided by Multiplexed Fluorescence Imaging in the Second Near-Infrared Window. <i>Advanced Materials</i> , 2018, 30, e1804437.	21.0	113
32	1.82 wt.% Pt/N, P co-doped carbon overwhelms 20 wt.% Pt/C as a high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Research</i> , 2017, 10, 238-246.	10.4	106
33	Chiral Plasmonic Nanostructures Enabled by Bottom-Up Approaches. <i>Annual Review of Physical Chemistry</i> , 2019, 70, 275-299.	10.8	106
34	A Facile One-Step <i>in situ</i> Functionalization of Quantum Dots with Preserved Photoluminescence for Bioconjugation. <i>Journal of the American Chemical Society</i> , 2007, 129, 6380-6381.	13.7	105
35	Fabrication of Nanoarchitectures Templated by Virus-Based Nanoparticles: Strategies and Applications. <i>Small</i> , 2014, 10, 230-245.	10.0	104
36	Novel multifunctional NaYF <sub>4</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> /PEGDA hybrid microspheres: NIR-light-activated photopolymerization and drug delivery. <i>Chemical Communications</i> , 2013, 49, 1527.	4.1	101

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37	Engineered Multifunctional Nanomedicine for Simultaneous Stereotactic Chemotherapy and Inhibited Osteolysis in an Orthotopic Model of Bone Metastasis. <i>Advanced Materials</i> , 2017, 29, 1605754.	21.0	99
38	In Vivo real-time visualization of mesenchymal stem cells tropism for cutaneous regeneration using NIR-II fluorescence imaging. <i>Biomaterials</i> , 2015, 53, 265-273.	11.4	95
39	Frame-Guided Assembly of Vesicles with Programmed Geometry and Dimensions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2607-2610.	13.8	92
40	NIR-II Fluorescent Self-Assembled Peptide Nanochain for Ultrasensitive Detection of Peritoneal Metastasis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11001-11006.	13.8	91
41	Circular dichroism from single plasmonic nanostructures with extrinsic chirality. <i>Nanoscale</i> , 2014, 6, 14244-14253.	5.6	90
42	Manganese-Doped Ag <sub>2</sub> S-ZnS Heteronanostructures. <i>Chemistry of Materials</i> , 2012, 24, 2407-2413.	6.7	87
43	Ultrathin single crystal ZnS nanowires. <i>Chemical Communications</i> , 2010, 46, 8941.	4.1	84
44	A novel photoacoustic nanoprobe of ICG@PEG-Ag <sub>2</sub> S for atherosclerosis targeting and imaging in vivo. <i>Nanoscale</i> , 2016, 8, 12531-12539.	5.6	84
45	Site-Specific Surface Functionalization of Gold Nanorods Using DNA Origami Clamps. <i>Journal of the American Chemical Society</i> , 2016, 138, 1764-1767.	13.7	84
46	Enhanced Nanodrug Delivery to Solid Tumors Based on a Tumor Vasculature-Targeted Strategy. <i>Advanced Functional Materials</i> , 2016, 26, 4192-4200.	14.9	82
47	Quantum Dot Bioconjugation during Core-Shell Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 316-319.	13.8	80
48	Generalized synthesis of metal sulfide nanocrystals from single-source precursors: size, shape and chemical composition control and their properties. <i>CrystEngComm</i> , 2011, 13, 4572.	2.6	80
49	Advanced Near-Infrared Light for Monitoring and Modulating the Spatiotemporal Dynamics of Cell Functions in Living Systems. <i>Advanced Science</i> , 2020, 7, 1903783.	11.2	79
50	Preparation of Large Transparent Silica Monoliths with Embedded Photoluminescent CdSe@ZnS Core/Shell Quantum Dots. <i>Chemistry of Materials</i> , 2005, 17, 4762-4764.	6.7	78
51	Recent Advances in Tracking the Transplanted Stem Cells Using Near-Infrared Fluorescent Nanoprobes: Turning from the First to the Second Near-Infrared Window. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800497.	7.6	77
52	Programmable Supra-Assembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14632-14636.	13.8	76
53	An NIR-II Fluorescence/Dual Bioluminescence Multiplexed Imaging for In Vivo Visualizing the Location, Survival, and Differentiation of Transplanted Stem Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806546.	14.9	76
54	Spiral Patterning of Au Nanoparticles on Au Nanorod Surface to Form Chiral AuNR@AuNP Helical Superstructures Templated by DNA Origami. <i>Advanced Materials</i> , 2017, 29, 1606533.	21.0	71

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55	MoSe <sub>2</sub> porous microspheres comprising monolayer flakes with high electrocatalytic activity. Nano Research, 2015, 8, 1108-1115.	10.4	70
56	Green synthesis of NiFe LDH/Ni foam at room temperature for highly efficient electrocatalytic oxygen evolution reaction. Science China Materials, 2019, 62, 681-689.	6.3	70
57	Rapid Unperturbed Tissue Analysis for Intraoperative Cancer Diagnosis Using an Enzyme-Activated NIR Nanoprobe. Angewandte Chemie - International Edition, 2021, 60, 2637-2642.	13.8	70
58	The protein corona protects against size- and dose-dependent toxicity of amorphous silica nanoparticles. Beilstein Journal of Nanotechnology, 2014, 5, 1380-1392.	2.8	68
59	A Nanoformulation-Mediated Multifunctional Stem Cell Therapy with Improved Beta-Amyloid Clearance and Neural Regeneration for Alzheimer's Disease. Advanced Materials, 2021, 33, e2006357.	21.0	67
60	Activatable Rare Earth Near-Infrared-II Fluorescence Ratiometric Nanoprobes. Nano Letters, 2021, 21, 6576-6583.	9.1	67
61	Au-Doped Ag <sub>2</sub> Te Quantum Dots with Bright NIR-II Fluorescence for In Situ Monitoring of Angiogenesis and Arteriogenesis in a Hindlimb Ischemic Model. Advanced Materials, 2021, 33, e2103953.	21.0	67
62	Reconfigurable Plasmonic Diastereomers Assembled by DNA Origami. ACS Nano, 2019, 13, 13702-13708.	14.6	66
63	Strong Chiroptical Activities in Gold Nanorod Dimers Assembled Using DNA Origami Templates. ACS Photonics, 2015, 2, 392-397.	6.6	63
64	Selective in Situ Assembly of Viral Protein onto DNA Origami. Journal of the American Chemical Society, 2018, 140, 8074-8077.	13.7	63
65	Diverse-shaped iron sulfide nanostructures synthesized from a single source precursor approach. CrystEngComm, 2010, 12, 3658.	2.6	62
66	Revealing the Fate of Transplanted Stem Cells In Vivo with a Novel Optical Imaging Strategy. Small, 2018, 14, 1702679.	10.0	60
67	Controlled Synthesis of Ag <sub>2</sub> Te@Ag <sub>2</sub> S Core-Shell Quantum Dots with Enhanced and Tunable Fluorescence in the Second Near-Infrared Window. Small, 2020, 16, e2001003.	10.0	60
68	Synthesis of Deep-Red-Emitting CdSe Quantum Dots and General Non-Inverse-Square Behavior of Quantum Confinement in CdSe Quantum Dots. Chemistry of Materials, 2006, 18, 5764-5767.	6.7	59
69	Selective Synthesis of Ternary Copper-Antimony Sulfide Nanocrystals. Inorganic Chemistry, 2013, 52, 12958-12962.	4.0	58
70	Magnetic resonance imaging of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -labeled human mesenchymal stem cells in mice at 11.7 ÅT. Biomaterials, 2013, 34, 3010-3019.	11.4	58
71	DNA-Directed Gold Nanodimers with Tunable Sizes and Interparticle Distances and Their Surface Plasmonic Properties. Small, 2013, 9, 2308-2315.	10.0	58
72	Controlled synthesis of porous spinel cobalt manganese oxides as efficient oxygen reduction reaction electrocatalysts. Nano Research, 2016, 9, 207-213.	10.4	56

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73	Fates of Fe <sub>3</sub> O <sub>4</sub> and Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles in human mesenchymal stem cells assessed by synchrotron radiation-based techniques. <i>Biomaterials</i> , 2014, 35, 6412-6421.	11.4	54
74	The osteogenic effect of bone morphogenetic protein-2 on the collagen scaffold conjugated with antibodies. <i>Journal of Controlled Release</i> , 2010, 141, 30-37.	9.9	53
75	Controlled synthesis of AgInS <sub>2</sub> nanocrystals and their application in organic-inorganic hybrid photodetectors. <i>CrystEngComm</i> , 2013, 15, 6443.	2.6	52
76	Photonic interaction between quantum dots and gold nanoparticles in discrete nanostructures through DNA directed self-assembly. <i>Chemical Communications</i> , 2010, 46, 240-242.	4.1	51
77	Site-Selective Nucleation and Controlled Growth of Gold Nanostructures in Tobacco Mosaic Virus Nanotubulars. <i>Small</i> , 2015, 11, 2505-2509.	10.0	51
78	Tunable, Discrete, Three-Dimensional Hybrid Nanoarchitectures. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4202-4205.	13.8	50
79	Spontaneous Self-Assembly of Silver Nanoparticles into Lamellar Structured Silver Nanoleaves. <i>ACS Nano</i> , 2013, 7, 3053-3060.	14.6	50
80	Advanced NIR-Fluorescence Imaging Technology for In Vivo Precision Tumor Theranostics. <i>Advanced Therapeutics</i> , 2019, 2, 1900053.	3.2	50
81	Disulfide Bond: Dramatically Enhanced Assembly Capability and Structural Stability of Tobacco Mosaic Virus Nanorods. <i>Biomacromolecules</i> , 2013, 14, 2593-2600.	5.4	49
82	DNA-Based Adaptive Plasmonic Logic Gates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15038-15042.	13.8	47
83	A generalized strategy for controlled synthesis of ternary metal sulfide nanocrystals. <i>New Journal of Chemistry</i> , 2014, 38, 77-83.	2.8	44
84	Ultralarge Single-Layer Porous Protein Nanosheet for Precise Nanosize Separation. <i>Nano Letters</i> , 2018, 18, 6563-6569.	9.1	44
85	Atomic-scale Pt clusters decorated on porous Ni(OH) <sub>2</sub> nanowires as highly efficient electrocatalyst for hydrogen evolution reaction. <i>Science China Materials</i> , 2017, 60, 1121-1128.	6.3	39
86	Chemical Valence-Dependent Electrocatalytic Activity for Oxygen Evolution Reaction: A Case of Nickel Sulfides Hybridized with N and S Co-Doped Carbon Nanoparticles. <i>Small</i> , 2018, 14, 1703273.	10.0	39
87	Pb-Doped Ag <sub>2</sub> Se Quantum Dots with Enhanced Photoluminescence in the NIR Window. <i>Small</i> , 2021, 17, e2006111.	10.0	39
88	Neodymium-doped NaHoF <sub>4</sub> nanoparticles as near-infrared luminescent/T <sub>2</sub> -weighted MR dual-modal imaging agents in vivo. <i>Journal of Materials Chemistry B</i> , 2017, 5, 504-510.	5.8	38
89	Precise Self-Assembly of Nanoparticles into Ordered Nanoarchitectures Directed by Tobacco Mosaic Virus Coat Protein. <i>Advanced Materials</i> , 2019, 31, e1901485.	21.0	38
90	Metal ion redox potential plays an important role in high-yield synthesis of monodisperse silver nanoparticles. <i>Chemical Communications</i> , 2012, 48, 4728.	4.1	36

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91	Monofunctionalization of Protein Nanocages. <i>Journal of the American Chemical Society</i> , 2011, 133, 20040-20043.	13.7	35
92	Origin of the Plasmonic Chirality of Gold Nanorod Trimers Templated by DNA Origami. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26835-26840.	8.0	35
93	DNA Origami-Directed, Discrete Three-Dimensional Plasmonic Tetrahedron Nanoarchitectures with Tailored Optical Chirality. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5388-5392.	8.0	33
94	Self-Assembly of Protein Crystals with Different Crystal Structures Using Tobacco Mosaic Virus Coat Protein as a Building Block. <i>ACS Nano</i> , 2018, 12, 1673-1679.	14.6	33
95	Three-Dimensional Gold Nanoparticle Clusters with Tunable Cores Templated by a Viral Protein Scaffold. <i>Small</i> , 2012, 8, 3832-3838.	10.0	32
96	Effects of simvastatin-loaded polymeric micelles on human osteoblast-like MG-63 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 420-427.	5.0	31
97	Precise Examination of Peripheral Vascular Disease for Diabetics with a Novel Multiplexed NIR-II Fluorescence Imaging Technology. <i>Nano Today</i> , 2022, 43, 101378.	11.9	31
98	One-pot polymerase chain reaction with gold nanoparticles for rapid and ultrasensitive DNA detection. <i>Nano Research</i> , 2010, 3, 557-563.	10.4	30
99	Toward Precise Manipulation of DNA-Protein Hybrid Nanoarchitectures. <i>Small</i> , 2019, 15, e1804044.	10.0	30
100	Programming Dynamic Assembly of Viral Proteins with DNA Origami. <i>Journal of the American Chemical Society</i> , 2020, 142, 5929-5932.	13.7	30
101	Single-molecule level binding force between collagen and collagen binding domain-growth factor conjugates. <i>Biomaterials</i> , 2013, 34, 6139-6146.	11.4	28
102	DNA-programmed self-assembly of photonic nanoarchitectures. <i>NPG Asia Materials</i> , 2014, 6, e97-e97.	7.9	28
103	Glutathione-capped quantum dots for plasma membrane labeling and membrane potential imaging. <i>Nano Research</i> , 2019, 12, 1321-1326.	10.4	28
104	DNA-Directed Gold Nanodimers with Tailored Ensemble Surface-Enhanced Raman Scattering Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10423-10427.	8.0	27
105	From mouse to mouse ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021, 1, 9-20.	11.0	27
106	A Targeted Activatable NIR-II Nanoprobe for Highly Sensitive Detection of Ischemic Stroke in a Photothrombotic Stroke Model. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001544.	7.6	26
107	DNA Origami Directed Large-Scale Fabrication of Nanostructures Resembling Room Temperature Single-Electron Transistors. <i>Small</i> , 2013, 9, 3567-3571.	10.0	25
108	Revealing the Role of Electrocatalyst Crystal Structure on Oxygen Evolution Reaction with Nickel as an Example. <i>Small</i> , 2018, 14, e1802895.	10.0	25

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109	Tuning the structural asymmetries of three-dimensional gold nanorod assemblies. <i>Chemical Communications</i> , 2015, 51, 13627-13629.	4.1	24
110	Tailoring the Self-Assembly Behaviors of Recombinant Tobacco Mosaic Virus by Rationally Introducing Covalent Bonding at the Protein-Protein Interface. <i>Small</i> , 2016, 12, 4955-4959.	10.0	24
111	Encapsulation of Inorganic Nanomaterials inside Virus-Based Nanoparticles for Bioimaging. <i>Nanotheranostics</i> , 2017, 1, 358-368.	5.2	24
112	All-in-one theranostic nanoplatform with controlled drug release and activated MRI tracking functions for synergistic NIR-II hyperthermia-chemotherapy of tumors. <i>Nano Research</i> , 2019, 12, 2971-2981.	10.4	24
113	An Activatable NIR-II Nanoprobe for In Vivo Early Real-Time Diagnosis of Traumatic Brain Injury. <i>Angewandte Chemie</i> , 2020, 132, 253-258.	2.0	24
114	Controlled Self-Assembly of Proteins into Discrete Nanoarchitectures Templated by Gold Nanoparticles via Monovalent Interfacial Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11024-11031.	8.0	23
115	NIR-II Fluorescent Self-Assembled Peptide Nanochain for Ultrasensitive Detection of Peritoneal Metastasis. <i>Angewandte Chemie</i> , 2019, 131, 11117-11122.	2.0	21
116	Layer-by-layer growth of superparamagnetic, fluorescent barcode nanospheres. <i>Nanotechnology</i> , 2007, 18, 405604.	2.6	20
117	Programmable Supra-Assembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. <i>Angewandte Chemie</i> , 2017, 129, 14824-14828.	2.0	20
118	Modular Assembly of Plasmonic Nanoparticles Assisted by DNA Origami. <i>Langmuir</i> , 2018, 34, 14963-14968.	3.5	20
119	Controllable synthesis of MnS nanocrystals from a single-source precursor. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 13-17.	9.4	19
120	Cell Nucleus Penetration by Quantum Dots Induced by Nuclear Staining Organic Fluorophore and UV-Irradiation. <i>Advanced Materials</i> , 2008, 20, 3468-3473.	21.0	18
121	Controllable growth of Ag <sub>2</sub> S-CdS heteronanostructures. <i>CrystEngComm</i> , 2014, 16, 9501-9505.	2.6	18
122	Polydopamine directed MnO@C microstructures as electrode for lithium ion battery. <i>Science China Chemistry</i> , 2016, 59, 122-127.	8.2	17
123	Precise Fabrication of De Novo Nanoparticle Lattices on Dynamic 2D Protein Crystalline Lattices. <i>Nano Letters</i> , 2020, 20, 1154-1160.	9.1	16
124	Chiral nanomaterials: evolving rapidly from concepts to applications. <i>Materials Advances</i> , 2022, 3, 3677-3679.	5.4	16
125	Insights into Stabilization of a Viral Protein Cage in Templating Complex Nanoarchitectures: Roles of Disulfide Bonds. <i>Small</i> , 2014, 10, 536-543.	10.0	15
126	Towards Active Self-Assembly Through DNA Nanotechnology. <i>Topics in Current Chemistry</i> , 2020, 378, 33.	5.8	15



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127	Assembling gold nanobipyramids into chiral plasmonic nanostructures with DNA origami. <i>Chemical Communications</i> , 2021, 57, 6201-6204.	4.1	15
128	Nanofriction properties of molecular deposition films. <i>Science in China Series B: Chemistry</i> , 2000, 43, 137-142.	0.8	14
129	Preparation of photostable quantum dot-polystyrene microbeads through covalent organosilane coupling of CdSe@Zns quantum dots. <i>Journal of Materials Science</i> , 2009, 44, 816-820.	3.7	14
130	NiFe Alloy Nanoparticles with hcp Crystal Structure Stimulate Superior Oxygen Evolution Reaction Electrocatalytic Activity. <i>Angewandte Chemie</i> , 2019, 131, 6160-6164.	2.0	14
131	AgAuSe quantum dots with absolute photoluminescence quantum yield of 87.2%: The effect of capping ligand chain length. <i>Nano Research</i> , 2022, 15, 8555-8563.	10.4	14
132	Optically Active AuNR@Ag Core-Shell Nanoparticles and Hierarchical Assembly via DNA-Mediated Surface Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34598-34602.	8.0	13
133	Cationic Polyelectrolyte Mediated Synthesis of MnO <sub>2</sub> -Based Core-Shell Structures as Activatable MRI Theranostic Platform for Tumor Cell Ablation. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800078.	2.3	13
134	Tumor Microenvironment-Activated NIR-II Nanotheranostic System for Precise Diagnosis and Treatment of Peritoneal Metastasis. <i>Angewandte Chemie</i> , 2020, 132, 7286-7290.	2.0	13
135	Finite Assembly of Three-Dimensional DNA Hierarchical Nanoarchitectures through Orthogonal and Directional Bonding. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202116416.	13.8	13
136	DNA-Based Adaptive Plasmonic Logic Gates. <i>Angewandte Chemie</i> , 2020, 132, 15148-15152.	2.0	12
137	Gram-scale synthesis of nanotherapeutic agents for CT/T1-weighted MRI bimodal imaging guided photothermal therapy. <i>Nano Research</i> , 2017, 10, 3124-3135.	10.4	11
138	Noncovalent Self-Assembly of Protein Crystals with Tunable Structures. <i>Nano Letters</i> , 2021, 21, 1749-1757.	9.1	11
139	Coassembly of Tobacco Mosaic Virus Coat Proteins into Nanotubes with Uniform Length and Improved Physical Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13192-13196.	8.0	10
140	PET imaging of metabolic changes after neural stem cells and GABA progenitor cells transplantation in a rat model of temporal lobe epilepsy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2392-2397.	6.4	10
141	A Cascade Targeted and Activatable NIR-II Nanoprobe for Highly Sensitive Detection of Acute Myeloid Leukemia in an Orthotopic Model. <i>CCS Chemistry</i> , 2021, 3, 895-903.	7.8	10
142	Large-Scale Synthesis of Single Crystalline CuSb(S <sub>1-x</sub> Se <sub>1-x</sub> ) <sub>2</sub> Nanosheets with Tunable Composition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1496-1499.	3.1	8
143	Rapid Unperturbed Tissue Analysis for Intraoperative Cancer Diagnosis Using an Enzyme-Activated NIR-II Nanoprobe. <i>Angewandte Chemie</i> , 2021, 133, 2669-2674.	2.0	8
144	Long-term chemical biotransformation and pathways of Cd-based quantum dots in mice. <i>Nano Today</i> , 2022, 44, 101504.	11.9	7

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