

Mingyuan Gao

List of Publications by Year in descending order

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194
papers

18,570
citations

9786

73
h-index

12597

132
g-index

202
all docs

202
docs citations

202
times ranked

21108
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
2	Strongly Photoluminescent CdTe Nanocrystals by Proper Surface Modification. Journal of Physical Chemistry B, 1998, 102, 8360-8363.	2.6	678
3	Superparamagnetic iron oxide nanoparticles: from preparations to in vivo MRI applications. Journal of Materials Chemistry, 2009, 19, 6274.	6.7	610
4	The Influence of Carboxyl Groups on the Photoluminescence of Mercaptocarboxylic Acid-Stabilized CdTe Nanoparticles. Journal of Physical Chemistry B, 2003, 107, 8-13.	2.6	581
5	Synthesis and Characterization of a Size Series of Extremely Small Thiol-Stabilized CdSe Nanocrystals. Journal of Physical Chemistry B, 1999, 103, 3065-3069.	2.6	565
6	Light-Triggered Assembly of Gold Nanoparticles for Photothermal Therapy and Photoacoustic Imaging of Tumors In Vivo. Advanced Materials, 2017, 29, 1604894.	21.0	444
7	Enhancement Effect of Illumination on the Photoluminescence of Water-Soluble CdTe Nanocrystals: Toward Highly Fluorescent CdTe/CdS Core-Shell Structure. Chemistry of Materials, 2004, 16, 3853-3859.	6.7	386
8	In vivo covalent cross-linking of photon-converted rare-earth nanostructures for tumour localization and theranostics. Nature Communications, 2016, 7, 10432.	12.8	376
9	Aqueous Based Semiconductor Nanocrystals. Chemical Reviews, 2016, 116, 10623-10730.	47.7	364
10	One-Pot Reaction to Synthesize Water-Soluble Magnetite Nanocrystals. Chemistry of Materials, 2004, 16, 1391-1393.	6.7	338
11	Magnetic/Upconversion Fluorescent NaGdF ₄ :Yb,Er Nanoparticle-Based Dual-Modal Molecular Probes for Imaging Tiny Tumors in Vivo. ACS Nano, 2013, 7, 7227-7240.	14.6	336
12	Electroluminescence of different colors from polycation/CdTe nanocrystal self-assembled films. Journal of Applied Physics, 2000, 87, 2297-2302.	2.5	310
13	Enhancing Both Biodegradability and Efficacy of Semiconducting Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. ACS Nano, 2018, 12, 1801-1810.	14.6	299
14	Ambient Aqueous Synthesis of Ultrasmall PEGylated Cu ₂ S:Se Nanoparticles as a Multifunctional Theranostic Agent for Multimodal Imaging Guided Photothermal Therapy of Cancer. Advanced Materials, 2016, 28, 8927-8936.	21.0	282
15	Receptor-Mediated Delivery of Magnetic Nanoparticles across the Blood-Brain Barrier. ACS Nano, 2012, 6, 3304-3310.	14.6	272
16	BSA-Mediated Synthesis of Bismuth Sulfide Nanotheranostic Agents for Tumor Multimodal Imaging and Thermoradiotherapy. Advanced Functional Materials, 2016, 26, 5335-5344.	14.9	255
17	Synthesis and Shape-Tailoring of Copper Sulfide/Indium Sulfide-Based Nanocrystals. Journal of the American Chemical Society, 2008, 130, 13152-13161.	13.7	246
18	Preparation of Water-Soluble Magnetite Nanocrystals from Hydrated Ferric Salts in 2-Pyrrolidone: Mechanism Leading to Fe ₃ O ₄ . Angewandte Chemie - International Edition, 2005, 44, 123-126.	13.8	229

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19	Ultrasmall Biocompatible WO ₃ x Nanodots for Multi-Modality Imaging and Combined Therapy of Cancers. <i>Advanced Materials</i> , 2016, 28, 5072-5079.	21.0	227
20	Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. <i>Advanced Materials</i> , 2018, 30, e1706356.	21.0	227
21	Lateral Flow Immunochromatographic Assay for Sensitive Pesticide Detection by Using Fe ₃ O ₄ Nanoparticle Aggregates as Color Reagents. <i>Analytical Chemistry</i> , 2011, 83, 6778-6784.	6.5	216
22	Electroluminescence Studies on Self-Assembled Films of PPV and CdSe Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4096-4103.	2.6	214
23	Size-Dependent Electrochemical Behavior of Thiol-Capped CdTe Nanocrystals in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1094-1100.	2.6	211
24	NaGdF ₄ Nanoparticle-Based Molecular Probes for Magnetic Resonance Imaging of Intraperitoneal Tumor Xenografts <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 330-338.	14.6	207
25	Dual-Ratiometric Target-Triggered Fluorescent Probe for Simultaneous Quantitative Visualization of Tumor Microenvironment Protease Activity and pH <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 211-218.	13.7	207
26	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	21.0	198
27	Ultrasmall Biocompatible Bi ₂ Se ₃ Nanodots for Multimodal Imaging-Guided Synergistic Radiophotothermal Therapy against Cancer. <i>ACS Nano</i> , 2016, 10, 11145-11155.	14.6	196
28	Anchoring Group Effects of Surface Ligands on Magnetic Properties of Fe ₃ O ₄ Nanoparticles: Towards High Performance MRI Contrast Agents. <i>Advanced Materials</i> , 2014, 26, 2694-2698.	21.0	194
29	Ultrasmall Magnetic CuFeSe ₂ Ternary Nanocrystals for Multimodal Imaging Guided Photothermal Therapy of Cancer. <i>ACS Nano</i> , 2017, 11, 5633-5645.	14.6	181
30	Boosting H ₂ O ₂ -Guided Chemodynamic Therapy of Cancer by Enhancing Reaction Kinetics through Versatile Biomimetic Fenton Nanocatalysts and the Second Near-Infrared Light Irradiation. <i>Advanced Functional Materials</i> , 2020, 30, 1906128.	14.9	177
31	Coating Aqueous Quantum Dots with Silica via Reverse Microemulsion Method: Toward Size-Controllable and Robust Fluorescent Nanoparticles. <i>Chemistry of Materials</i> , 2007, 19, 4123-4128.	6.7	176
32	Incorporating Fluorescent CdTe Nanocrystals into a Hydrogel via Hydrogen Bonding: Toward Fluorescent Microspheres with Temperature-Responsive Properties. <i>Chemistry of Materials</i> , 2005, 17, 2648-2653.	6.7	169
33	Are Rare-Earth Nanoparticles Suitable for In Vivo Applications?. <i>Advanced Materials</i> , 2014, 26, 6922-6932.	21.0	166
34	Tumor Microenvironment-Triggered Aggregation of Antiphagocytosis ^{99m} Tc-Labeled Fe ₃ O ₄ Nanoparticles for Enhanced Tumor Imaging In Vivo. <i>Advanced Materials</i> , 2017, 29, 1701095.	21.0	162
35	Metformin-Induced Stromal Depletion to Enhance the Penetration of Gemcitabine-Loaded Magnetic Nanoparticles for Pancreatic Cancer Targeted Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 4944-4954.	13.7	153
36	Small is Smarter: Nano MRI Contrast Agents – Advantages and Recent Achievements. <i>Small</i> , 2016, 12, 556-576.	10.0	147

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37	Magnetically Engineered Semiconductor Quantum Dots as Multimodal Imaging Probes. <i>Advanced Materials</i> , 2014, 26, 6367-6386.	21.0	145
38	White-light electroluminescence from self-assembled Q-CdSe/PPV multilayer structures. <i>Advanced Materials</i> , 1997, 9, 802-805.	21.0	144
39	Coordinatively Unsaturated Fe ³⁺ Based Activatable Probes for Enhanced MRI and Therapy of Tumors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11088-11096.	13.8	143
40	Monodisperse Dual Plasmonic Au@Cu ₂ S Core@Shell Supraparticles: Aqueous Fabrication, Multimodal Imaging, and Tumor Therapy at <i>in Vivo</i> Level. <i>ACS Nano</i> , 2017, 11, 8273-8281.	14.6	139
41	Lateral Patterning of CdTe Nanocrystal Films by the Electric Field Directed Layer-by-Layer Assembly Method. <i>Langmuir</i> , 2002, 18, 4098-4102.	3.5	127
42	Facile synthesis of ultrasmall PEGylated iron oxide nanoparticles for dual-contrast T ₁ - and T ₂ -weighted magnetic resonance imaging. <i>Nanotechnology</i> , 2011, 22, 245604.	2.6	126
43	Multispectral optoacoustic imaging of dynamic redox correlation and pathophysiological progression utilizing upconversion nanoprobes. <i>Nature Communications</i> , 2019, 10, 1087.	12.8	126
44	Quantitatively Visualizing Tumor-Related Protease Activity <i>in Vivo</i> Using a Ratiometric Photoacoustic Probe. <i>Journal of the American Chemical Society</i> , 2019, 141, 3265-3273.	13.7	123
45	Recent advancements in biocompatible inorganic nanoparticles towards biomedical applications. <i>Biomaterials Science</i> , 2018, 6, 726-745.	5.4	121
46	Investigations on Iron Sulfide Nanosheets Prepared via a Single-Source Precursor Approach. <i>Crystal Growth and Design</i> , 2008, 8, 1023-1030.	3.0	119
47	Superdispersible PVP-Coated Fe ₃ O ₄ Nanocrystals Prepared by a "One-Pot" Reaction. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14390-14394.	2.6	115
48	Magnetically engineered Cd-free quantum dots as dual-modality probes for fluorescence/magnetic resonance imaging of tumors. <i>Biomaterials</i> , 2014, 35, 1608-1617.	11.4	110
49	Radiolabeling nanomaterials for multimodality imaging: New insights into nuclear medicine and cancer diagnosis. <i>Biomaterials</i> , 2020, 228, 119553.	11.4	109
50	Highly Fluorescent CdTe@SiO ₂ Particles Prepared via Reverse Microemulsion Method. <i>Chemistry of Materials</i> , 2010, 22, 420-427.	6.7	107
51	Incorporating CdTe Nanocrystals into Polystyrene Microspheres: Towards Robust Fluorescent Beads. <i>Small</i> , 2006, 2, 898-901.	10.0	105
52	Diameter-Tunable CdTe Nanotubes Templated by 1D Nanowires of Cadmium Thiolate Polymer. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6462-6466.	13.8	105
53	Monitoring the Opening and Recovery of the Blood-Brain Barrier with Noninvasive Molecular Imaging by Biodegradable Ultrasmall Cu ₂ S Nanoparticles. <i>Nano Letters</i> , 2018, 18, 4985-4992.	9.1	105
54	Magnetic Janus Particles Prepared by a Flame Synthetic Approach: Synthesis, Characterizations and Properties. <i>Advanced Materials</i> , 2009, 21, 184-187.	21.0	103

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55	Protease-Activated Ratiometric Fluorescent Probe for pH Mapping of Malignant Tumors. <i>ACS Nano</i> , 2015, 9, 3199-3205.	14.6	102
56	No ring without a crown – impact of the nanomaterial-protein corona on nanobiomedicine. <i>Nanomedicine</i> , 2015, 10, 503-519.	3.3	101
57	Second near-infrared photodynamic therapy and chemotherapy of orthotopic malignant glioblastoma with ultra-small Cu ₂ S nanoparticles. <i>Nanoscale</i> , 2019, 11, 7600-7608.	5.6	100
58	Engineering NIR-IIb fluorescence of Er-based lanthanide nanoparticles for through-skull targeted imaging and imaging-guided surgery of orthotopic glioma. <i>Nano Today</i> , 2020, 34, 100905.	11.9	100
59	Aqueous synthesis of CdTe nanocrystals: progresses and perspectives. <i>Chemical Communications</i> , 2011, 47, 9293.	4.1	99
60	Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	95
61	pH-Responsive Fe(III)-Gallic Acid Nanoparticles for In Vivo Photoacoustic-Imaging-Guided Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2016, 5, 772-780.	7.6	94
62	Molecular Imaging of Vulnerable Atherosclerotic Plaques <i>in Vivo</i> with Osteopontin-Specific Upconversion Nanoprobes. <i>ACS Nano</i> , 2017, 11, 1816-1825.	14.6	91
63	Boosting the Radiosensitizing and Photothermal Performance of Cu ₂ S Nanocrystals for Synergetic Radiophotothermal Therapy of Orthotopic Breast Cancer. <i>ACS Nano</i> , 2019, 13, 1342-1353.	14.6	91
64	Ultrasensitive <i>in Vivo</i> Detection of Primary Gastric Tumor and Lymphatic Metastasis Using Upconversion Nanoparticles. <i>ACS Nano</i> , 2015, 9, 2120-2129.	14.6	90
65	Light-Enhanced O ₂ -Evolving Nanoparticles Boost Photodynamic Therapy To Elicit Antitumor Immunity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16367-16379.	8.0	90
66	Preparation and photoluminescence of water-dispersible ZnSe nanocrystals. <i>Materials Letters</i> , 2004, 58, 3898-3902.	2.6	82
67	Biodegradable Inorganic Nanoparticles for Cancer Theranostics: Insights into the Degradation Behavior. <i>Bioconjugate Chemistry</i> , 2020, 31, 315-331.	3.6	82
68	Insight into Strain Effects on Band Alignment Shifts, Carrier Localization and Recombination Kinetics in CdTe/CdS Core/Shell Quantum Dots. <i>Journal of the American Chemical Society</i> , 2015, 137, 2073-2084.	13.7	81
69	Ultra-small nanocluster mediated synthesis of Nd ³⁺ -doped core-shell nanocrystals with emission in the second near-infrared window for multimodal imaging of tumor vasculature. <i>Biomaterials</i> , 2018, 175, 30-43.	11.4	81
70	A Novel Type of Dual-Modality Molecular Probe for MR and Nuclear Imaging of Tumor: Preparation, Characterization and <i>in Vivo</i> Application. <i>Molecular Pharmaceutics</i> , 2009, 6, 1074-1082.	4.6	79
71	Materials aspects of semiconductor nanocrystals for optoelectronic applications. <i>Materials Horizons</i> , 2017, 4, 155-205.	12.2	78
72	Surface engineering of gold nanoparticles for <i>in vitro</i> siRNA delivery. <i>Nanoscale</i> , 2012, 4, 5102.	5.6	75

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73	MRI/optical dual-modality imaging of vulnerable atherosclerotic plaque with an osteopontin-targeted probe based on Fe ₃ O ₄ nanoparticles. <i>Biomaterials</i> , 2017, 112, 336-345.	11.4	71
74	Soybean Lecithin-Mediated Nanoporous PLGA Microspheres with Highly Entrapped and Controlled Released BMP-2 as a Stem Cell Platform. <i>Small</i> , 2018, 14, e1800063.	10.0	71
75	Red blood cell membrane-coated upconversion nanoparticles for pretargeted multimodality imaging of triple-negative breast cancer. <i>Biomaterials Science</i> , 2020, 8, 1802-1814.	5.4	71
76	Electric Field Directed Layer-by-Layer Assembly of Highly Fluorescent CdTe Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 133-136.	0.9	70
77	Nanopolymersomes with an Ultrahigh Iodine Content for High-Performance X-Ray Computed Tomography Imaging In Vivo. <i>Advanced Materials</i> , 2017, 29, 1603997.	21.0	70
78	A facile route for preparing rhabdophane rare earth phosphate nanorods. <i>Journal of Materials Chemistry</i> , 2006, 16, 1360.	6.7	69
79	Aqueous synthesis of PEGylated copper sulfide nanoparticles for photoacoustic imaging of tumors. <i>Nanoscale</i> , 2015, 7, 11075-11081.	5.6	68
80	Gelification: An Effective Measure for Achieving Differently Sized Biocompatible Fe ₃ O ₄ Nanocrystals through a Single Preparation Recipe. <i>Journal of the American Chemical Society</i> , 2011, 133, 19512-19523.	13.7	66
81	Investigations on the Interactions between Plasma Proteins and Magnetic Iron Oxide Nanoparticles with Different Surface Modifications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21270-21276.	3.1	64
82	Flow Synthesis of Biocompatible Fe ₃ O ₄ Nanoparticles: Insight into the Effects of Residence Time, Fluid Velocity, and Tube Reactor Dimension on Particle Size Distribution. <i>Chemistry of Materials</i> , 2015, 27, 1299-1305.	6.7	64
83	Enhanced Synergism of Thermo-chemotherapy For Liver Cancer with Magnetothermally Responsive Nanocarriers. <i>Theranostics</i> , 2018, 8, 693-709.	10.0	63
84	Polyhedral Maghemite Nanocrystals Prepared by a Flame Synthetic Method: Preparations, Characterizations, and Catalytic Properties. <i>ACS Nano</i> , 2009, 3, 1775-1780.	14.6	60
85	Penetration of Quantum Dot Particles Through Human Skin. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 586-595.	1.1	60
86	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	14.6	60
87	Ultrasml superparamagnetic iron oxide nanoparticles: A next generation contrast agent for magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1740.	6.1	60
88	Constructing PbI ₂ nanoparticles into a multilayer structure using the molecular deposition (MD) method. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2777.	2.0	59
89	Aqueous Manganese-Doped Core/Shell CdTe/ZnS Quantum Dots with Strong Fluorescence and High Relaxivity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18752-18761.	3.1	58
90	A Bio-inspired Route to Fabricate Submicrometer-Sized Particles with Unusual Shapes via Mineralization of Calcium Carbonate within Hydrogel Spheres. <i>Chemistry of Materials</i> , 2005, 17, 656-660.	6.7	57

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91	Quantitative Mapping of Glutathione within Intracranial Tumors through Interlocked MRI Signals of a Responsive Nanoprobe. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8130-8138.	13.8	57
92	Synthesis, optical properties, and superlattice structure of Cu(I)-doped CdS nanocrystals. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	56
93	Preparation of magnetite nanocrystals with surface reactive moieties by one-pot reaction. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 469-474.	9.4	55
94	Synthesis and self-assembly of Cu _{1.94} S@ZnS heterostructured nanorods. <i>CrystEngComm</i> , 2010, 12, 4124.	2.6	54
95	In vivo multimodality imaging of miRNA-16 iron nanoparticle reversing drug resistance to chemotherapy in a mouse gastric cancer model. <i>Nanoscale</i> , 2014, 6, 14343-14353.	5.6	54
96	Biodegradable Nanoagents with Short Biological Half-Life for SPECT/PAI/MRI Multimodality Imaging and PTT Therapy of Tumors. <i>Small</i> , 2018, 14, 1702700.	10.0	51
97	Near-Infrared Afterglow Luminescence of Chlorin Nanoparticles for Ultrasensitive <i>In Vivo</i> Imaging. <i>Journal of the American Chemical Society</i> , 2022, 144, 6719-6726.	13.7	51
98	In situ ¹¹¹ In-doping for achieving biocompatible and non-leachable ¹¹¹ In-labeled Fe ₃ O ₄ nanoparticles. <i>Chemical Communications</i> , 2014, 50, 2170.	4.1	50
99	Longer and Stronger: Improving Persistent Luminescence in Size-Tuned Zinc Gallate Nanoparticles by Alcohol-Mediated Chromium Doping. <i>ACS Nano</i> , 2020, 14, 12113-12124.	14.6	50
100	Ultra-sensitive Nanoprobe Modified with Tumor Cell Membrane for UCL/MRI/PET Multimodality Precise Imaging of Triple-Negative Breast Cancer. <i>Nano-Micro Letters</i> , 2020, 12, 62.	27.0	50
101	Oral administration of highly bright Cr ³⁺ doped ZnGa ₂ O ₄ nanocrystals for <i>in vivo</i> targeted imaging of orthotopic breast cancer. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1508-1518.	5.8	49
102	Preparations of bifunctional polymeric beads simultaneously incorporated with fluorescent quantum dots and magnetic nanocrystals. <i>Nanotechnology</i> , 2008, 19, 105601.	2.6	48
103	Upconversion luminescence nanoparticles-based lateral flow immunochromatographic assay for cephalexin detection. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9637-9642.	5.5	48
104	Smart Nanoprobes for Visualization of Tumor Microenvironments. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800391.	7.6	47
105	Preparation of bioconjugates of CdTe nanocrystals for cancer marker detection. <i>Nanotechnology</i> , 2006, 17, 2972-2977.	2.6	46
106	Amphiphilic ABC Triblock Copolymer-Assisted Synthesis of Core/Shell Structured CdTe Nanowires. <i>Langmuir</i> , 2005, 21, 4205-4210.	3.5	45
107	Cationic Gemini Surfactant-Assisted Synthesis of Hollow Au Nanostructures by Stepwise Reductions. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5709-5716.	8.0	44
108	Emitting/Sensitizing Ions Spatially Separated Lanthanide Nanocrystals for Visualizing Tumors Simultaneously through Up- and Down-Conversion Near-Infrared II Luminescence In Vivo. <i>Small</i> , 2019, 15, e1905344.	10.0	41

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109	Two-Pronged Intracellular Co-Delivery of Antigen and Adjuvant for Synergistic Cancer Immunotherapy. <i>Advanced Materials</i> , 2022, 34, e2202168.	21.0	41
110	A monolayer of PbI ₂ nanoparticles adsorbed on MD-1B film. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2229-2230.	2.0	40
111	Quantum dot-antisense oligonucleotide conjugates for multifunctional gene transfection, mRNA regulation, and tracking of biological processes. <i>Biomaterials</i> , 2011, 32, 1923-1931.	11.4	40
112	Optical/MRI dual-modality imaging of M1 macrophage polarization in atherosclerotic plaque with MARCO-targeted upconversion luminescence probe. <i>Biomaterials</i> , 2019, 219, 119378.	11.4	40
113	Recent advances in molecular imaging of atherosclerotic plaques and thrombosis. <i>Nanoscale</i> , 2020, 12, 8040-8064.	5.6	38
114	Investigation on Photovoltaic Performance based on Matchstick-Like Cu ₂ S-In ₂ S ₃ Heterostructure Nanocrystals and Polymer. <i>Nanoscale Research Letters</i> , 2008, 3, 502-507.	5.7	36
115	Synthesis of Cu ₃ Sn ₄ nanocrystals and nanosheets by using Cu ₃₁ S ₁₆ as seeds. <i>CrystEngComm</i> , 2012, 14, 401-404.	2.6	36
116	Detection of early primary colorectal cancer with upconversion luminescent NP-based molecular probes. <i>Nanoscale</i> , 2016, 8, 12579-12587.	5.6	36
117	An adaptive Fuzzy C-means method utilizing neighboring information for breast tumor segmentation in ultrasound images. <i>Medical Physics</i> , 2017, 44, 3752-3760.	3.0	35
118	Nanoparticles weaponized with built-in functions for imaging-guided cancer therapy. <i>View</i> , 2020, 1, e19.	5.3	35
119	Effect of the surface chemical modification on the optical properties of polymer-stabilized PbS nanoparticles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 4121.	1.7	34
120	Assembly of modified CdS particles/cationic polymer based on electrostatic interactions. <i>Thin Solid Films</i> , 1996, 284-285, 242-245.	1.8	34
121	A general approach for encapsulating aqueous colloidal particles into polymeric microbeads. <i>Journal of Materials Chemistry</i> , 2007, 17, 2930.	6.7	34
122	Revisiting the coordination chemistry for preparing manganese oxide nanocrystals in the presence of oleylamine and oleic acid. <i>Nanoscale</i> , 2014, 6, 5918.	5.6	34
123	Furin Enzyme and pH Synergistically Triggered Aggregation of Gold Nanoparticles for Activated Photoacoustic Imaging and Photothermal Therapy of Tumors. <i>Analytical Chemistry</i> , 2021, 93, 9277-9285.	6.5	34
124	Bright, Magnetic NIR-II Quantum Dot Probe for Sensitive Dual-Modality Imaging and Intensive Combination Therapy of Cancer. <i>ACS Nano</i> , 2022, 16, 8076-8094.	14.6	31
125	Polymer Langmuir-Blodgett film of organic-inorganic (Fe ₂ O ₃) composite microgel. <i>Thin Solid Films</i> , 1994, 248, 106-109.	1.8	30
126	Healing Diabetic Ulcers with MoO ₃ Nanodots Possessing Intrinsic ROS-Scavenging and Bacteria-Killing Capacities. <i>Small</i> , 2022, 18, e2107137.	10.0	30

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127	Layer-by-layer depositions of polyelectrolyte/CdTe nanocrystal films controlled by electric fields. <i>Journal of Materials Chemistry</i> , 2002, 12, 1775-1778.	6.7	29
128	Generation, Characterization, and Application of Hierarchically Structured Self-Assembly Induced by the Combined Effect of Self-Emulsification and Phase Separation. <i>Journal of the American Chemical Society</i> , 2016, 138, 2090-2093.	13.7	29
129	Decorating multi-walled carbon nanotubes with quantum dots for construction of multi-color fluorescent nanoprobes. <i>Nanotechnology</i> , 2010, 21, 045606.	2.6	28
130	Differently sized magnetic/upconversion luminescent NaGdF ₄ :Yb,Er nanocrystals: flow synthesis and solvent effects. <i>Chemical Communications</i> , 2016, 52, 5872-5875.	4.1	28
131	Detection of lymph node metastasis with near-infrared upconversion luminescent nanoprobes. <i>Nanoscale</i> , 2018, 10, 21772-21781.	5.6	28
132	Characterizing viscoelastic properties of breast cancer tissue in a mouse model using indentation. <i>Journal of Biomechanics</i> , 2018, 69, 81-89.	2.1	27
133	Electrosprayed Soft Capsules of Millimeter Size for Specifically Delivering Fish Oil/Nutrients to the Stomach and Intestines. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6536-6545.	8.0	27
134	Restructuring and Remodeling of NaREF ₄ Nanocrystals by Electron Irradiation. <i>Small</i> , 2014, 10, 4711-4717.	10.0	26
135	NIR nanoprobe-facilitated cross-referencing manifestation of local disease biology for dynamic therapeutic response assessment. <i>Chemical Science</i> , 2020, 11, 803-811.	7.4	26
136	Rational Design and Synthesis of a Metalloproteinase-Activatable Probe for Dual-Modality Imaging of Metastatic Lymph Nodes in Vivo. <i>Journal of Organic Chemistry</i> , 2019, 84, 6126-6133.	3.2	25
137	Chemical Spacer Design for Engineering the Relaxometric Properties of Core-Shell Structured Rare Earth Nanoparticles. <i>Chemistry of Materials</i> , 2015, 27, 7918-7925.	6.7	24
138	Timely Visualization of the Collaterals Formed during Acute Ischemic Stroke with Fe ₃ O ₄ Nanoparticle-based MR Imaging Probe. <i>Small</i> , 2018, 14, e1800573.	10.0	24
139	Biocompatible off-stoichiometric copper indium sulfide quantum dots with tunable near-infrared emission via aqueous based synthesis. <i>Chemical Communications</i> , 2019, 55, 15053-15056.	4.1	24
140	An MRI contrast agent based on a zwitterionic metal-chelating polymer for hepatorenal angiography and tumor imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6956-6963.	5.8	24
141	Self-Illuminating Agents for Deep-Tissue Optical Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 326.	4.1	23
142	From Ultrathin Two-Dimensional Djurleite Nanosheets to One-Dimensional Nanorods Comprised of Djurleite Nanoplates: Synthesis, Characterization, and Formation Mechanism. <i>Crystal Growth and Design</i> , 2011, 11, 1109-1116.	3.0	22
143	A Cyclodextrin-Hosted Ir(III) Complex for Ratiometric Mapping of Tumor Hypoxia In Vivo. <i>Advanced Science</i> , 2021, 8, 2004044.	11.2	22
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