

Dayang Wang

List of Publications by Year in descending order

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161
papers

10,512
citations

23500

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174
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174
docs citations

174
times ranked

12748
citing authors

#	ARTICLE	IF	CITATIONS
1	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5639-5642.	7.2	418
2	Semiconductor Quantum Dot-Labeled Microsphere Bioconjugates Prepared by Stepwise Self-Assembly. <i>Nano Letters</i> , 2002, 2, 857-861.	4.5	310
3	Cleaning of Oil Fouling with Water Enabled by Zwitterionic Polyelectrolyte Coatings: Overcoming the Imperative Challenge of Oil-Water Separation Membranes. <i>ACS Nano</i> , 2015, 9, 9188-9198.	7.3	287
4	Magnetic Colloidosomes Derived from Nanoparticle Interfacial Self-Assembly. <i>Nano Letters</i> , 2005, 5, 949-952.	4.5	264
5	Controlling the Growth of Charged Nanoparticle Chains through Interparticle Electrostatic Repulsion. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3984-3987.	7.2	250
6	Fabrication of Superhydrophobic Surfaces from Binary Colloidal Assembly. <i>Langmuir</i> , 2005, 21, 9143-9148.	1.6	228
7	Probing the Surface Hydration of Nonfouling Zwitterionic and PEG Materials in Contact with Proteins. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16881-16888.	4.0	223
8	Rapid Fabrication of Binary Colloidal Crystals by Stepwise Spin-Coating. <i>Advanced Materials</i> , 2004, 16, 244-247.	11.1	212
9	Template-directed colloidal self-assembly – the route to “top-down” nanochemical engineering. <i>Journal of Materials Chemistry</i> , 2004, 14, 459-468.	6.7	202
10	Nanoparticle Cages for Enzyme Catalysis in Organic Media. <i>Advanced Materials</i> , 2011, 23, 5694-5699.	11.1	193
11	Manipulation of Aqueous Growth of CdTe Nanocrystals To Fabricate Colloidally Stable One-Dimensional Nanostructures. <i>Journal of the American Chemical Society</i> , 2006, 128, 10171-10180.	6.6	191
12	Stability of Interfacial Nanobubbles. <i>Langmuir</i> , 2013, 29, 1017-1023.	1.6	189
13	Understanding the self-assembly of charged nanoparticles at the water/oil interface. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3828-3835.	1.3	187
14	The water/oil interface: the emerging horizon for self-assembly of nanoparticles. <i>Soft Matter</i> , 2005, 1, 412.	1.2	180
15	Fabrication of Polyaniline Inverse Opals via Templating Ordered Colloidal Assemblies. <i>Advanced Materials</i> , 2001, 13, 350-354.	11.1	175
16	Synthesis of Macroporous Titania and Inorganic Composite Materials from Coated Colloidal Spheres: A Novel Route to Tune Pore Morphology. <i>Chemistry of Materials</i> , 2001, 13, 364-371.	3.2	174
17	Fabrication of Multicolor-Encoded Microspheres by Tagging Semiconductor Nanocrystals to Hydrogel Spheres. <i>Advanced Materials</i> , 2005, 17, 267-270.	11.1	169
18	Incorporating Fluorescent CdTe Nanocrystals into a Hydrogel via Hydrogen Bonding: A Toward Fluorescent Microspheres with Temperature-Responsive Properties. <i>Chemistry of Materials</i> , 2005, 17, 2648-2653.	3.2	169

#	ARTICLE	IF	CITATIONS
19	Synthesis of Monodisperse Quasi-Spherical Gold Nanoparticles in Water via Silver(I)-Assisted Citrate Reduction. <i>Langmuir</i> , 2010, 26, 3585-3589.	1.6	169
20	Colloidal Lithography—The Art of Nanochemical Patterning. <i>Chemistry - an Asian Journal</i> , 2009, 4, 236-245.	1.7	148
21	Unraveling the Growth Mechanism of Silica Particles in the St�ber Method: In Situ Seeded Growth Model. <i>Langmuir</i> , 2017, 33, 5879-5890.	1.6	136
22	Stimuli-Responsive Reversible Transport of Nanoparticles Across Water/Oil Interfaces. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 320-323.	7.2	128
23	Molecular Mimetic Self-Assembly of Colloidal Particles. <i>Advanced Functional Materials</i> , 2010, 20, 1053-1074.	7.8	128
24	Chitosan-Mediated Synthesis of Gold Nanoparticles on Patterned Poly(dimethylsiloxane) Surfaces. <i>Biomacromolecules</i> , 2006, 7, 1203-1209.	2.6	122
25	Polyelectrolyte-Coated Colloid Spheres as Templates for Sol-Gel Reactions. <i>Chemistry of Materials</i> , 2002, 14, 1909-1913.	3.2	114
26	Rapid Seeded Growth of Monodisperse, Quasi-Spherical, Citrate-Stabilized Gold Nanoparticles via H_2O_2 Reduction. <i>Langmuir</i> , 2012, 28, 13720-13726.	1.6	114
27	Patterning Microsphere Surfaces by Templating Colloidal Crystals. <i>Nano Letters</i> , 2005, 5, 143-146.	4.5	108
28	Fabrication of Macroscopic Freestanding Films of Metallic Nanoparticle Monolayers by Interfacial Self-Assembly. <i>Advanced Materials</i> , 2008, 20, 4253-4256.	11.1	108
29	Highly Fluorescent CdTe@SiO ₂ Particles Prepared via Reverse Microemulsion Method. <i>Chemistry of Materials</i> , 2010, 22, 420-427.	3.2	107
30	Simple Synthesis of Monodisperse, Quasi-spherical, Citrate-Stabilized Silver Nanocrystals in Water. <i>Langmuir</i> , 2013, 29, 5074-5079.	1.6	106
31	Ligand-Selective Aqueous Synthesis of One-Dimensional CdTe Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 748-751.	7.2	104
32	Directing the self-assembly of nanocrystals beyond colloidal crystallization. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3288-3299.	1.3	101
33	Stepwise Directing of Nanocrystals to Self-Assemble at Water/Oil Interfaces. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7963-7966.	7.2	96
34	Interfacial Basicity-Guided Formation of Polydopamine Hollow Capsules in Pristine O/W Emulsions — Toward Understanding of Emulsion Template Roles. <i>Chemistry of Materials</i> , 2011, 23, 5105-5110.	3.2	94
35	Revitalizing the Frens Method To Synthesize Uniform, Quasi-Spherical Gold Nanoparticles with Deliberately Regulated Sizes from 2 to 330 nm. <i>Langmuir</i> , 2016, 32, 5870-5880.	1.6	93
36	Decoration of Microspheres with Gold Nanodots—Giving Colloidal Spheres Valences. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7767-7770.	7.2	92

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37	Goldâ€“Silica Inverse Opals by Colloidal Crystal Templating. <i>Advanced Materials</i> , 2002, 14, 908.	11.1	91
38	Composite Photonic Crystals from Semiconductor Nanocrystal/Polyelectrolyte-Coated Colloidal Spheres. <i>Chemistry of Materials</i> , 2003, 15, 2724-2729.	3.2	90
39	Fabrication of Colloidal Stable, Thermosensitive, and Biocompatible Magnetite Nanoparticles and Study of Their Reversible Agglomeration in Aqueous Milieu. <i>Chemistry of Materials</i> , 2009, 21, 1906-1914.	3.2	90
40	Fabrication of Heterogeneous Binary Arrays of Nanoparticles via Colloidal Lithography. <i>Journal of the American Chemical Society</i> , 2008, 130, 5616-5617.	6.6	89
41	Novel lithium-loaded porous aromatic framework for efficient CO ₂ and H ₂ uptake. <i>Journal of Materials Chemistry A</i> , 2013, 1, 752-758.	5.2	88
42	Controlled Chainlike Agglomeration of Charged Gold Nanoparticles via a Deliberate Interaction Balance. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16830-16839.	1.5	87
43	Advanced Colloidal Lithography Beyond Surface Patterning. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600271.	1.9	87
44	Realizing a Record Photothermal Conversion Efficiency of Spiky Gold Nanoparticles in the Second Near-Infrared Window by Structure-Based Rational Design. <i>Chemistry of Materials</i> , 2018, 30, 2709-2718.	3.2	85
45	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. <i>Angewandte Chemie</i> , 2004, 116, 5757-5760.	1.6	80
46	Ordered Binary Arrays of Au Nanoparticles Derived from Colloidal Lithography. <i>Nano Letters</i> , 2007, 7, 127-132.	4.5	79
47	Synthesis of open-mouthed, yolkâ€“shell Au@AgPd nanoparticles with access to interior surfaces for enhanced electrocatalysis. <i>Chemical Science</i> , 2015, 6, 4350-4357.	3.7	77
48	Colloidally Stable Amphibious Nanocrystals Derived from Poly{[2-(dimethylamino)ethyl] Methacrylate} Capping. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1717-1720.	7.2	75
49	980-nm Laser-Driven Photovoltaic Cells Based on Rare-Earth Up-Converting Phosphors for Biomedical Applications. <i>Advanced Functional Materials</i> , 2009, 19, 3815-3820.	7.8	75
50	A Simple Nanocellulose Coating for Self-Cleaning upon Water Action: Molecular Design of Stable Surface Hydrophilicity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9053-9057.	7.2	73
51	Hierarchical Organization of Colloidal Particles: From Colloidal Crystallization to Supraparticle Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 439-445.	1.1	72
52	Confined Flocculation of Ionic Pollutants by Poly(<i>l</i> -dopa)-Based Polyelectrolyte Complexes in Hydrogel Beads for Three-Dimensional, Quantitative, Efficient Water Decontamination. <i>Langmuir</i> , 2015, 31, 6351-6366.	1.6	70
53	Ion-Specific Oil Repellency of Polyelectrolyte Multilayers in Water: Molecular Insights into the Hydrophilicity of Charged Surfaces. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4851-4856.	7.2	70
54	Cells as Factories for Humanized Encapsulation. <i>Nano Letters</i> , 2011, 11, 2152-2156.	4.5	64

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55	Synthesis of core-shell Au-Pt nanodendrites with high catalytic performance via overgrowth of platinum on in situ gold nanoparticles. <i>Journal of Materials Chemistry A</i> , 2015, 3, 368-376.	5.2	59
56	Capping Gold Nanoparticles with Stimuli-responsive Polymers to Cross Water-Oil Interfaces: In-Depth Insight to the Trans-Interfacial Activity of Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15207-15219.	1.5	58
57	Electrostatic Repulsion-Controlled Formation of Polydopamine-Gold Janus Particles. <i>Langmuir</i> , 2012, 28, 13060-13065.	1.6	58
58	A Bio-inspired Route to Fabricate Submicrometer-Sized Particles with Unusual Shapes - Mineralization of Calcium Carbonate within Hydrogel Spheres. <i>Chemistry of Materials</i> , 2005, 17, 656-660.	3.2	57
59	Fabrication of sulfonated poly(ether ether ketone) membranes with high proton conductivity. <i>Journal of Membrane Science</i> , 2006, 281, 1-6.	4.1	55
60	Synthesis of Monodisperse, Quasi-Spherical Silver Nanoparticles with Sizes Defined by the Nature of Silver Precursors. <i>Langmuir</i> , 2014, 30, 2498-2504.	1.6	55
61	pH-Responsive Capsules Derived from Nanocrystal Templating. <i>Langmuir</i> , 2005, 21, 11495-11499.	1.6	54
62	Layer-by-Layer Growth of Polymer/Quantum Dot Composite Multilayers by Nucleophilic Substitution in Organic Media. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 359-363.	7.2	54
63	Influence of adsorbed gas at liquid/solid interfaces on heterogeneous cavitation. <i>Chemical Science</i> , 2013, 4, 248-256.	3.7	53
64	Fabrication of Thermoresponsive Plasmonic Microspheres with Long-Term Stability from Hydrogel Spheres. <i>Advanced Functional Materials</i> , 2005, 15, 1611-1616.	7.8	51
65	Stepwise interfacial self-assembly of nanoparticles via specific DNA pairing. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6313.	1.3	51
66	Understanding the effect of ultrathin AuPd alloy shells of irregularly shaped Au@AuPd nanoparticles with high-index facets on enhanced performance of ethanol oxidation. <i>Nanoscale</i> , 2015, 7, 20105-20116.	2.8	50
67	Size-Dependent Electrostatic Chain Growth of pH-Sensitive Hairy Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3726-3730.	7.2	49
68	Directed self-assembly of gold nanoparticles into plasmonic chains. <i>Soft Matter</i> , 2015, 11, 4562-4571.	1.2	49
69	Hydrophobic-Force-Driven Removal of Organic Compounds from Water by Reduced Graphene Oxides Generated in Agarose Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11177-11181.	7.2	49
70	Two-Dimensional Non-Close-Packing Arrays Derived from Self-Assembly of Biomineralized Hydrogel Spheres and Their Patterning Applications. <i>Chemistry of Materials</i> , 2005, 17, 5268-5274.	3.2	48
71	Optical Properties of Nanoparticle-Based Metallodielectric Inverse Opals. <i>Small</i> , 2004, 1, 122-130.	5.2	47
72	Genesis of Anisotropic Colloidal Particles via Protrusion of Polystyrene from Polyelectrolyte Multilayer Encapsulation. <i>Journal of the American Chemical Society</i> , 2009, 131, 6366-6367.	6.6	47

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73	High Yield Production of Uniform Gold Nanoparticles with Sizes from 31 to 577 nm via One-Pot Seeded Growth and Size-Dependent SERS Property. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 924-932.	1.2	47
74	Self-assembly of microspheres at the air/water/air interface into free-standing colloidal crystal films. <i>Soft Matter</i> , 2007, 3, 68-70.	1.2	46
75	{331}-Faceted trisoctahedral gold nanocrystals: synthesis, superior electrocatalytic performance and highly efficient SERS activity. <i>Nanoscale</i> , 2015, 7, 8405-8415.	2.8	46
76	Correlation of Surface Ag Content in AgPd Shells of Ultrasmall Core-Shell Au@AgPd Nanoparticles with Enhanced Electrocatalytic Performance for Ethanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18434-18443.	1.5	45
77	Nucleophilic Substitution Reaction Based Layer-by-Layer Growth of Superparamagnetic Nanocomposite Films with High Nonvolatile Memory Performance. <i>Advanced Materials</i> , 2010, 22, 5140-5144.	11.1	44
78	Color Tunable Self-Trapped Emissions from Lead-Free All Inorganic A ₂ B Bimetallic Halides CsAgX (X = Cl, Br, I). <i>Journal of Physical Chemistry C</i> , 2014, 118, 10000-10004.	5.2	44
79	Immobilization of lipase B within micron-sized poly-N-isopropylacrylamide hydrogel particles by solvent exchange. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9594.	1.3	43
80	Interfacial nanodroplets guided construction of hierarchical Au, Au-Pt and Au-Pd particles as excellent catalysts. <i>Scientific Reports</i> , 2014, 4, 4849.	1.6	43
81	Nanoembossment of Au Patterns on Microspheres. <i>Chemistry of Materials</i> , 2006, 18, 3985-3992.	3.2	42
82	Bidirectional Nanoparticle Crossing of Oil-Water Interfaces Induced by Different Stimuli: Insight into Phase Transfer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9647-9651.	7.2	42
83	Freestanding monolayered nanoporous gold films with high electrocatalytic activity via interfacial self-assembly and overgrowth. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4678.	5.2	42
84	High Yield Seedless Synthesis of High-Quality Gold Nanocrystals with Various Shapes. <i>Langmuir</i> , 2014, 30, 2480-2489.	1.6	42
85	Fabrication of Multiplex Quasi-Three-Dimensional Grids of One-Dimensional Nanostructures via Stepwise Colloidal Lithography. <i>Nano Letters</i> , 2007, 7, 3410-3413.	4.5	41
86	Lithium Niobate Inverse Opals Prepared by Templating Colloidal Crystals of Polyelectrolyte-Coated Spheres. <i>Advanced Materials</i> , 2003, 15, 205-210.	11.1	40
87	Template-Assisted Polyelectrolyte Encapsulation of Nanoparticles into Dispersible, Hierarchically Nanostructured Microfibers. <i>Advanced Materials</i> , 2011, 23, 1376-1379.	11.1	40
88	Hydrogen-Bond-Selective Phase Transfer of Nanoparticles across Liquid/Gel Interfaces. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4953-4956.	7.2	39
89	On the Synthesis of Au Nanoparticles Using EDTA as a Reducing Agent. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20958-20966.	1.5	39
90	Size Control of CdS Nanocrystals in Block Copolymer Micelle. <i>Chemistry of Materials</i> , 1999, 11, 392-398.	3.2	38

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91	Janus-like Pickering emulsions and their controllable coalescence. <i>Chemical Communications</i> , 2013, 49, 10871.	2.2	38
92	Water-soluble gold nanoclusters with pH-dependent fluorescence and high colloidal stability over a wide pH range via co-reduction of glutathione and citrate. <i>RSC Advances</i> , 2014, 4, 22651-22659.	1.7	38
93	Hybrid photovoltaic cells with II-VI quantum dot sensitizers fabricated by layer-by-layer deposition of water-soluble components. <i>Thin Solid Films</i> , 2009, 518, 295-298.	0.8	37
94	Using Hydrogel Microparticles To Transfer Hydrophilic Nanoparticles and Enzymes to Organic Media via Stepwise Solvent Exchange. <i>Langmuir</i> , 2010, 26, 12980-12987.	1.6	37
95	Simple Synthesis of Au-Pd Alloy Nanowire Networks as Macroscopic, Flexible Electrocatalysts with Excellent Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 602-613.	4.0	36
96	Using Hydrogels to Accommodate Hydrophobic Nanoparticles in Aqueous Media via Solvent Exchange. <i>Advanced Materials</i> , 2010, 22, 3247-3250.	11.1	35
97	High-Throughput Transformation of Colloidal Polymer Spheres to Discs Simply via Magnetic Stirring of Their Dispersions. <i>Langmuir</i> , 2012, 28, 6436-6440.	1.6	34
98	Using Polymers to Make Up Magnetic Nanoparticles for Biomedicine. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 652-668.	0.5	33
99	Fe ₂ O ₃ /macroporous resin nanocomposites: Some novel highly efficient catalysts for hydroxylation of phenol with H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 1998, 174, 25-32.	2.2	32
100	Hydrogel-Assisted Transfer of Graphene Oxides into Nonpolar Organic Media for Oil Decontamination. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6853-6857.	7.2	31
101	Exploration of unusual electrical properties in carbon black/binary-polymer nanocomposites. <i>Applied Physics Letters</i> , 2007, 90, 152912.	1.5	30
102	Effect of Latent Heat in Boiling Water on the Synthesis of Gold Nanoparticles of Different Sizes by using the Turkevich Method. <i>ChemPhysChem</i> , 2015, 16, 447-454.	1.0	28
103	Empirical structural design of core@shell Au@Ag nanoparticles for SERS applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6649-6656.	2.7	27
104	Morphology-controlled fabrication of polygonal ZnO nanobowls templated from spherical polymeric nanowell arrays. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 327-332.	5.0	26
105	Biocompatible Magnetite Nanoparticles Trapped at the Air/Water Interface. <i>ChemPhysChem</i> , 2010, 11, 3585-3588.	1.0	25
106	Citrate-Regulated Surface Morphology of SiO ₂ @Au Particles To Control the Surface Plasmonic Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 377-385.	1.5	25
107	Rationalized Fabrication of Structure-Tailored Multishelled Hollow Silica Spheres. <i>Chemistry of Materials</i> , 2019, 31, 7470-7477.	3.2	25
108	Promoting charge transfer in hyperbranched, trisoctahedral-shaped core-shell Au@PdPt nanoparticles by facet-dependent construction of transition layers as high performance electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18878-18887.	5.2	24

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109	Van der Waals Emulsions: Emulsions Stabilized by Surface-Inactive, Hydrophilic Particles via van der Waals Attraction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9510-9514.	7.2	24
110	Three-dimensional nanostructured carbon nanotube array/PtRu nanoparticle electrodes for micro-fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 635-638.	2.3	23
111	Fabrication of heterogeneous macroporous materials based on a sequential electrostatic deposition process. <i>Chemical Communications</i> , 2001, , 489-490.	2.2	21
112	Langmuir and Gibbs Magnetite NP Layers at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 1192-1199.	1.6	21
113	Conformational induced behaviour of copolymer-capped magnetite nanoparticles at the air/water interface. <i>Soft Matter</i> , 2011, 7, 4267.	1.2	21
114	Layer-by-layer assembled enzyme multilayers with adjustable memory performance and low power consumption via molecular-level control. <i>Journal of Materials Chemistry</i> , 2012, 22, 4645.	6.7	21
115	Synthesis of Janus particles via kinetic control of phase separation in emulsion droplets. <i>Chemical Communications</i> , 2013, 49, 9746.	2.2	21
116	In situ assessment of the contact angles of nanoparticles adsorbed at fluid interfaces by multiple angle of incidence ellipsometry. <i>Soft Matter</i> , 2014, 10, 6999-7007.	1.2	20
117	Counterion-Dictated Self-Cleaning Behavior of Polycation Coating upon Water Action: Macroscopic Dissection of Hydration of Anions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14466-14472.	7.2	20
118	Synthesis of Janus Particles via Strain-Driven Microphase Separation and Their Assembly into Nanoscale Vesicles. <i>ACS Nano</i> , 2014, 8, 11206-11213.	7.3	19
119	Stimuli-Responsive Magnetite Nanoparticle Monolayers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5478-5484.	1.5	17
120	Fabrication of Colloidal Crystals with Defined and Complex Structures via Layer-by-Layer Transfer. <i>Langmuir</i> , 2008, 24, 13772-13775.	1.6	16
121	Revitalizing spherical Au@Pd nanoparticles with controlled surface-defect density as high performance electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6992-7000.	5.2	16
122	Environment-Induced Structure Change of As-Prepared Aqueous CdTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9678-9683.	1.5	15
123	Biofouling-Inspired Growth of Superhydrophilic Coating of Polyacrylic Acid on Hydrophobic Surfaces for Excellent Anti-Fouling. <i>ACS Macro Letters</i> , 2021, 10, 354-358.	2.3	15
124	Shape-controlled self-assembly of colloidal nanoparticles. <i>Chemical Science</i> , 2012, 3, 2252.	3.7	14
125	Mechanism of charge transport in ligand-capped crystalline CdTe nanoparticles according to surface photovoltaic and photoacoustic results. <i>Materials Chemistry and Physics</i> , 2010, 123, 98-103.	2.0	12
126	Adsorbed emulsion droplets: capping agents for in situ heterogeneous engineering of particle surfaces. <i>Chemical Communications</i> , 2013, 49, 11563.	2.2	12

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127	Zero-dimensional plate-shaped copper halide crystals with green-yellow emissions. <i>Materials Advances</i> , 2021, 2, 3744-3751.	2.6	12
128	Transition metal ion-assisted synthesis of monodisperse, quasi-spherical gold nanocrystals via citrate reduction. <i>CrystEngComm</i> , 2014, 16, 5268.	1.3	11
129	A Simple Nanocellulose Coating for Self-Cleaning upon Water Action: Molecular Design of Stable Surface Hydrophilicity. <i>Angewandte Chemie</i> , 2017, 129, 9181-9185.	1.6	11
130	Low-Concentration Salt Solution Changes the Interfacial Molecular Behavior of Polyelectrolyte Brushes. <i>Macromolecules</i> , 2021, 54, 6006-6013.	2.2	11
131	Bioinspired, Nanostructure-Amplified, Subcutaneous Light Harvesting to Power Implantable Biomedical Electronics. <i>ACS Nano</i> , 2021, 15, 12475-12482.	7.3	11
132	Size sorting of ultrasmall magnetic nanoparticles and their aggregates behaviour. <i>Materials Research Bulletin</i> , 2013, 48, 4294-4300.	2.7	10
133	Synthesis and characteristics of ZnS/CdS composite nanocrystals in block copolymer micelle. <i>Journal of Materials Research</i> , 1999, 14, 2381-2384.	1.2	9
134	Preparation of Gold/triblock Copolymer Composite Nanoparticles. <i>Journal of Nanoparticle Research</i> , 2000, 2, 381-385.	0.8	9
135	Colloidally Stable Amphibious Nanocrystals Derived from Poly{[2-(dimethylamino)ethyl] Methacrylate} Capping. <i>Angewandte Chemie</i> , 2005, 117, 1745-1748.	1.6	9
136	Surface electron structures and mechanism of nonradiative transitions on crystalline TiO ₂ nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 112, 1001-1007.	2.0	9
137	Fabrication of Au@CaCO ₃ Nanoparticles by in Situ Mineralization in Hydrogel Microspheres. <i>Chemistry of Materials</i> , 2006, 18, 1073-1075.	3.2	8
138	Synthesis and electrochemical properties of porous Pt wire electrodes for methanol electro-oxidation. <i>Solid State Sciences</i> , 2011, 13, 1612-1615.	1.5	8
139	Dynamic Investigation of Interaction of Biocompatible Iron Oxide Nanoparticles with Epithelial Cells for Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1556-1569.	0.5	8
140	Fabrication of spinel Li _{4-x} Ti ₅ O ₁₂ via ion exchange for high-rate lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 283, 237-242.	4.0	8
141	Hydrogel-Assisted Transfer of Graphene Oxides into Nonpolar Organic Media for Oil Decontamination. <i>Angewandte Chemie</i> , 2016, 128, 6967-6971.	1.6	8
142	Hydrophobic-Force-Driven Removal of Organic Compounds from Water by Reduced Graphene Oxides Generated in Agarose Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 11347-11351.	1.6	8
143	Synthesis of composition and size controlled AuAg alloy nanocrystals via Fe ²⁺ -assisted citrate reduction. <i>CrystEngComm</i> , 2016, 18, 7154-7162.	1.3	7
144	Water-Borne Perovskite Quantum Dot-Loaded, Polystyrene Latex Ink. <i>Frontiers in Chemistry</i> , 2018, 6, 453.	1.8	7

#	ARTICLE	IF	CITATIONS
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