

Junhu Zhang

List of Publications by Year in descending order

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191
papers

19,725
citations

26630

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10734

138
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197
all docs

197
docs citations

197
times ranked

20761
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Photoluminescent Carbon Dots for Multicolor Patterning, Sensors, and Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3953-3957.	13.8	2,907
2	The photoluminescence mechanism in carbon dots (graphene quantum dots, carbon nanodots, and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	10.4	2,135
3	Strongly green-photoluminescent graphene quantum dots for bioimaging applications. <i>Chemical Communications</i> , 2011, 47, 6858.	4.1	1,458
4	Surface Chemistry Routes to Modulate the Photoluminescence of Graphene Quantum Dots: From Fluorescence Mechanism to Upâ€Conversion Bioimaging Applications. <i>Advanced Functional Materials</i> , 2012, 22, 4732-4740.	14.9	1,019
5	The Dryâ€Style Antifogging Properties of Mosquito Compound Eyes and Artificial Analogues Prepared by Soft Lithography. <i>Advanced Materials</i> , 2007, 19, 2213-2217.	21.0	884
6	Common Origin of Green Luminescence in Carbon Nanodots and Graphene Quantum Dots. <i>ACS Nano</i> , 2014, 8, 2541-2547.	14.6	701
7	Colloidal Selfâ€Assembly Meets Nanofabrication: From Twoâ€Dimensional Colloidal Crystals to Nanostructure Arrays. <i>Advanced Materials</i> , 2010, 22, 4249-4269.	21.0	577
8	Control the size and surface chemistry of graphene for the rising fluorescent materials. <i>Chemical Communications</i> , 2012, 48, 4527.	4.1	384
9	Graphene quantum dots with controllable surface oxidation, tunable fluorescence and up-conversion emission. <i>RSC Advances</i> , 2012, 2, 2717.	3.6	370
10	Investigation into the fluorescence quenching behaviors and applications of carbon dots. <i>Nanoscale</i> , 2014, 6, 4676.	5.6	360
11	Antireflective surfaces based on biomimetic nanopillared arrays. <i>Nano Today</i> , 2010, 5, 117-127.	11.9	273
12	The crosslink enhanced emission (CEE) in non-conjugated polymer dots: from the photoluminescence mechanism to the cellular uptake mechanism and internalization. <i>Chemical Communications</i> , 2014, 50, 13845-13848.	4.1	245
13	Direct observation of surfaceâ€enhanced Raman scattering in ZnO nanocrystals. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1072-1077.	2.5	220
14	Self-assembly of photonic crystals from polymer colloids. <i>Current Opinion in Colloid and Interface Science</i> , 2009, 14, 103-114.	7.4	208
15	Investigating the surface state of graphene quantum dots. <i>Nanoscale</i> , 2015, 7, 7927-7933.	5.6	196
16	Bioinspired Waterâ€Vaporâ€Responsive Organic/Inorganic Hybrid Oneâ€Dimensional Photonic Crystals with Tunable Fullâ€Color Stop Band. <i>Advanced Functional Materials</i> , 2010, 20, 3784-3790.	14.9	184
17	A general route to make non-conjugated linear polymers luminescent. <i>Chemical Communications</i> , 2012, 48, 10889.	4.1	183
18	Mercaptoacetic Acid-Capped Silver Nanoparticles Colloid:Â Formation, Morphology, and SERS Activity. <i>Langmuir</i> , 2003, 19, 4285-4290.	3.5	176

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19	Suppression of the Coffee Ring Effect by Hydrosoluble Polymer Additives. ACS Applied Materials & Interfaces, 2012, 4, 2775-2780.	8.0	167
20	Fabrication of Non-Close-Packed Arrays of Colloidal Spheres by Soft Lithography. Journal of the American Chemical Society, 2005, 127, 7688-7689.	13.7	160
21	Application of Ultrasonic Irradiation in Aqueous Synthesis of Highly Fluorescent CdTe/CdS Core-Shell Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 2465-2469.	3.1	156
22	Luminescent One-Dimensional Nanoscale Materials with PtII...PtII Interactions. Angewandte Chemie - International Edition, 2006, 45, 5610-5613.	13.8	147
23	Self-Assembled Metal Colloid Films: Two Approaches for Preparing New SERS Active Substrates. Langmuir, 2004, 20, 1298-1304.	3.5	146
24	Unraveling Bright Molecule-Like State and Dark Intrinsic State in Green Fluorescence Graphene Quantum Dots via Ultrafast Spectroscopy. Advanced Optical Materials, 2013, 1, 264-271.	7.3	144
25	Self-assembled graphene quantum dots induced by cytochrome c: a novel biosensor for trypsin with remarkable fluorescence enhancement. Nanoscale, 2013, 5, 7776.	5.6	142
26	Patterning Colloidal Crystals and Nanostructure Arrays by Soft Lithography. Advanced Functional Materials, 2010, 20, 3411-3424.	14.9	133
27	Bioinspired Multifunctional Vanadium Dioxide: Improved Thermochromism and Hydrophobicity. Langmuir, 2014, 30, 10766-10771.	3.5	131
28	Hollow Titania Spheres with Movable Silica Spheres Inside. Langmuir, 2004, 20, 11312-11314.	3.5	125
29	Investigation of photoluminescence mechanism of graphene quantum dots and evaluation of their assembly into polymer dots. Carbon, 2014, 77, 462-472.	10.3	124
30	Bioinspired silicon hollow-tip arrays for high performance broadband anti-reflective and water-repellent coatings. Journal of Materials Chemistry, 2009, 19, 1806.	6.7	104
31	Colorful detection of organic solvents based on responsive organic/inorganic hybrid one-dimensional photonic crystals. Journal of Materials Chemistry, 2011, 21, 1264-1270.	6.7	104
32	Fluorescent Nanocrystal-Polymer Composites from Aqueous Nanocrystals: Methods without Ligand Exchange. Chemistry of Materials, 2005, 17, 4783-4788.	6.7	103
33	Morphology and Wettability Control of Silicon Cone Arrays Using Colloidal Lithography. Langmuir, 2009, 25, 7375-7382.	3.5	103
34	Bioinspired Silica Surfaces with Near-Infrared Improved Transmittance and Superhydrophobicity by Colloidal Lithography. Langmuir, 2010, 26, 9842-9847.	3.5	99
35	Controlled Fabrication of Cross-Linked Nanoparticles/Polymer Composite Thin Films through the Combined Use of Surface-Initiated Atom Transfer Radical Polymerization and Gas/Solid Reaction. Journal of the American Chemical Society, 2002, 124, 13358-13359.	13.7	97
36	Mercaptopyridine Surface-Functionalized CdTe Quantum Dots with Enhanced Raman Scattering Properties. Journal of Physical Chemistry C, 2008, 112, 996-1000.	3.1	94

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37	Lanthanide complex/polymer composite optical resin with intense narrow band emission, high transparency and good mechanical performance. <i>Journal of Materials Chemistry</i> , 2003, 13, 2279.	6.7	85
38	Biomimetic Surfaces for High-Performance Optics. <i>Advanced Materials</i> , 2009, 21, 4731-4734.	21.0	84
39	One-Step Synthesis of High-Quality Gradient CdHgTe Nanocrystals: A Prerequisite to Prepare CdHgTe/Polymer Bulk Composites with Intense Near-Infrared Photoluminescence. <i>Chemistry of Materials</i> , 2008, 20, 6764-6769.	6.7	82
40	The effect of surface microtopography of poly(dimethylsiloxane) on protein adsorption, platelet and cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 275-281.	5.0	76
41	Assembly of alternating TiO ₂ /vCdS nanoparticle composite films. <i>Journal of Materials Chemistry</i> , 1998, 8, 1327-1328.	6.7	75
42	Facile Fabrication of Monodisperse Polymer Hollow Spheres. <i>Langmuir</i> , 2008, 24, 13736-13741.	3.5	75
43	Direct Observation of Quantum-Confined Graphene-Like States and Novel Hybrid States in Graphene Oxide by Transient Spectroscopy. <i>Advanced Materials</i> , 2013, 25, 6539-6545.	21.0	74
44	Elevated Ag nanohole arrays for high performance plasmonic sensors based on extraordinary optical transmission. <i>Journal of Materials Chemistry</i> , 2012, 22, 8903.	6.7	73
45	Assembly of One-Dimensional Organic Luminescent Nanowires Based on Quinacridone Derivatives. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9177-9183.	3.1	70
46	Three-Dimensional Colloidal Crystal-Assisted Lithography for Two-Dimensional Patterned Arrays. <i>Langmuir</i> , 2007, 23, 10725-10731.	3.5	69
47	Ligand Dynamics of Aqueous CdTe Nanocrystals at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6330-6336.	3.1	68
48	Controlling Flow Behavior of Water in Microfluidics with a Chemically Patterned Anisotropic Wetting Surface. <i>Langmuir</i> , 2015, 31, 4032-4039.	3.5	65
49	A Universal Approach to Fabricate Various Nanoring Arrays Based on a Colloidal-Crystal-Assisted Lithography Strategy. <i>Advanced Functional Materials</i> , 2008, 18, 4036-4042.	14.9	64
50	Preparation of SiO ₂ @polystyrene@polypyrrole sandwich composites and hollow polypyrrole capsules with movable SiO ₂ spheres inside. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 434-438.	9.4	62
51	Exploiting mammalian low-complexity domains for liquid-liquid phase separation-driven underwater adhesive coatings. <i>Science Advances</i> , 2019, 5, eaax3155.	10.3	62
52	Directing the Growth of Semiconductor Nanocrystals in Aqueous Solution: Role of Electrostatics. <i>ChemPhysChem</i> , 2008, 9, 1309-1316.	2.1	61
53	Modulating Two-Dimensional Non-Close-Packed Colloidal Crystal Arrays by Deformable Soft Lithography. <i>Langmuir</i> , 2010, 26, 2930-2936.	3.5	61
54	Avoiding coffee ring structure based on hydrophobic silicon pillar arrays during single-drop evaporation. <i>Soft Matter</i> , 2012, 8, 10448.	2.7	61

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55	Magnesium Oxide-Assisted Dual-Cross-Linking Bio-Multifunctional Hydrogels for Wound Repair during Full-Thickness Skin Injuries. <i>Advanced Functional Materials</i> , 2021, 31, 2105718.	14.9	60
56	Biomimetic polyimide nanotube arrays with slippery or sticky superhydrophobicity. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 541-546.	9.4	58
57	Efficient polymer/nanocrystal hybrid solar cells fabricated from aqueous materials. <i>Energy and Environmental Science</i> , 2011, 4, 2831.	30.8	58
58	Micro-/nanostructures meet anisotropic wetting: from preparation methods to applications. <i>Materials Horizons</i> , 2020, 7, 2566-2595.	12.2	58
59	Controlled Fabrication of Fluorescent Barcode Nanorods. <i>ACS Nano</i> , 2010, 4, 4350-4360.	14.6	57
60	Polymer Bragg stack as color tunable photonic paper. <i>Journal of Materials Chemistry</i> , 2012, 22, 7887.	6.7	57
61	From Monomeric Nanofibers to PbS Nanoparticles/Polymer Composite Nanofibers through the Combined Use of γ -Irradiation and Gas/Solid Reaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 6298-6299.	13.7	56
62	Fabrication of flexible superhydrophobic films by lift-up soft-lithography and decoration with Ag nanoparticles. <i>Nanotechnology</i> , 2009, 20, 065304.	2.6	54
63	The sol-gel preparation of ZnO/silica core-shell composites and hollow silica structure. <i>Materials Letters</i> , 2007, 61, 363-368.	2.6	53
64	Enhanced light extraction from organic light-emitting devices by using microcontact printed silica colloidal crystals. <i>Organic Electronics</i> , 2007, 8, 635-639.	2.6	51
65	Influence of Interparticle Electrostatic Repulsion in the Initial Stage of Aqueous Semiconductor Nanocrystal Growth. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1885-1889.	3.1	47
66	Sodium-Citrate-Assisted Synthesis of Aqueous CdTe Nanocrystals: Giving New Insight into the Effect of Ligand Shell. <i>Journal of Physical Chemistry C</i> , 2009, 113, 827-833.	3.1	47
67	Improved light extraction efficiency of white organic light-emitting devices by biomimetic antireflective surfaces. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	46
68	Janus Si Micropillar Arrays with Thermal-Responsive Anisotropic Wettability for Manipulation of Microfluid Motions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 376-382.	8.0	46
69	Thermal-induced surface plasmon band shift of gold nanoparticle monolayer: morphology and refractive index sensitivity. <i>Nanotechnology</i> , 2010, 21, 465702.	2.6	44
70	Patterning Organic/Inorganic Hybrid Bragg Stacks by Integrating One-Dimensional Photonic Crystals and Macrocavities through Photolithography: Toward Tunable Colorful Patterns as Highly Selective Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1397-1403.	8.0	43
71	Synthesis of size and shape controlled PbS nanocrystals and their self-assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 114-120.	4.7	42
72	Photoluminescent graphene quantum dots for in vitro and in vivo bioimaging using long wavelength emission. <i>RSC Advances</i> , 2015, 5, 39399-39403.	3.6	42

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73	A Universal Approach To Fabricate Ordered Colloidal Crystals Arrays Based on Electrostatic Self-Assembly. <i>Langmuir</i> , 2010, 26, 17936-17942.	3.5	40
74	High-Performance Plasmonic Sensors Based on Two-Dimensional Ag Nanowell Crystals. <i>Advanced Optical Materials</i> , 2014, 2, 779-787.	7.3	40
75	Thin Films of Ag Nanoparticles Prepared from the Reduction of AgI Nanoparticles in Self-Assembled Films. <i>Journal of Colloid and Interface Science</i> , 2002, 255, 115-118.	9.4	38
76	Nonspherical Colloidal Crystals Fabricated by the Thermal Pressing of Colloidal Crystal Chips. <i>Langmuir</i> , 2005, 21, 8987-8991.	3.5	38
77	Ordered Micro/Nanostructures with Geometric Gradient: From Integrated Wettability to Anisotropic Wetting Surface. <i>Small</i> , 2017, 13, 1601807.	10.0	38
78	Morphology-Patterned Anisotropic Wetting Surface for Fluid Control and Gas-Liquid Separation in Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13094-13103.	8.0	37
79	One-step fabrication of functionalized poly(etheretherketone) surfaces with enhanced biocompatibility and osteogenic activity. <i>Materials Science and Engineering C</i> , 2018, 88, 70-78.	7.3	37
80	Smart Anisotropic Wetting Surfaces with Reversed pH-Responsive Wetting Directions. <i>Advanced Functional Materials</i> , 2018, 28, 1802001.	14.9	37
81	Conformable self-assembling amyloid protein coatings with genetically programmable functionality. <i>Science Advances</i> , 2020, 6, eaba1425.	10.3	36
82	A novel method for the layer-by-layer assembly of metal nanoparticles transported by polymer microspheres. <i>Journal of Materials Chemistry</i> , 2003, 13, 514-517.	6.7	35
83	White-light emission nanofibers obtained from assembling aqueous single-colored CdTe NCs into a PPV precursor and PVA matrix. <i>Journal of Materials Chemistry</i> , 2009, 19, 6740.	6.7	35
84	Monolithic polyaniline/polyvinyl alcohol nanocomposite actuators with tunable stimuli-responsive properties. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 839-846.	7.8	35
85	Anisotropic Janus Si nanopillar arrays as a microfluidic one-way valve for gas-liquid separation. <i>Nanoscale</i> , 2014, 6, 3846-3853.	5.6	35
86	Organic-inorganic hybrid photonic hydrogels as a colorful platform for visual detection of SCN ⁻ . <i>Chemical Communications</i> , 2010, 46, 8636.	4.1	34
87	Elliptical Silicon Arrays with Anisotropic Optical and Wetting Properties. <i>Langmuir</i> , 2010, 26, 13715-13721.	3.5	33
88	Tunable Two-Dimensional Non-Close-Packed Microwell Arrays Using Colloidal Crystals as Templates. <i>Langmuir</i> , 2007, 23, 8272-8276.	3.5	30
89	Polymer brush nanopatterns with controllable features for protein pattern applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 25116.	6.7	30
90	Hierarchical Polymer Brush Nanoarrays: A Versatile Way to Prepare Multiscale Patterns of Proteins. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2126-2132.	8.0	30

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91	Elliptical Polymer Brush Ring Array Mediated Protein Patterning and Cell Adhesion on Patterned Protein Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12587-12593.	8.0	30
92	Gold Nanotetrapods with Unique Topological Structure and Ultranarrow Plasmonic Band as Multifunctional Therapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4505-4510.	4.6	30
93	Easy preparation and characterization of highly fluorescent polymer composite microspheres from aqueous CdTe nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 564-568.	9.4	29
94	Facile Fabrication of Large Area Polystyrene Colloidal Crystal Monolayer via Surfactant-free Langmuir-Blodgett Technique. <i>Chemical Research in Chinese Universities</i> , 2007, 23, 712-714.	2.6	29
95	Nanotransfer printing of gold disk, ring and crescent arrays and their IR range optical properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2333.	5.5	28
96	Fabrication of Polymer/Inorganic Nanoparticles Composite Films Based on Coordinative Bonds. <i>Chemistry Letters</i> , 1999, 28, 5-6.	1.3	27
97	Optical properties of Ag/CdTe nanocomposite self-organized by electrostatic interaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 101-105.	3.9	27
98	Fabrication of surface-patterned and free-standing ZnO nanobowls. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 329, 184-189.	4.7	27
99	Biochemical-to-optical signal transduction by pH sensitive organic-inorganic hybrid Bragg stacks with a full color display. <i>Journal of Materials Chemistry C</i> , 2013, 1, 977-983.	5.5	27
100	Patterned magnetic rings fabricated by dewetting of polymer-coated magnetite nanoparticles solution. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 503-507.	9.4	26
101	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.	9.4	26
102	Polystyrene@TiO ₂ core-shell microsphere colloidal crystals and nonspherical macro-porous materials. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 567-572.	9.4	26
103	Morphology-controlled two-dimensional elliptical hemisphere arrays fabricated by a colloidal crystal based micromolding method. <i>Journal of Materials Chemistry</i> , 2010, 20, 152-158.	6.7	25
104	Fabrication of Silicon/Polymer Composite Nanopost Arrays and Their Sensing Applications. <i>Small</i> , 2011, 7, 2769-2774.	10.0	24
105	A facile approach to fabricate three-dimensional ordered macroporous rutile titania at low calcination temperature. <i>Journal of Materials Chemistry</i> , 2012, 22, 2435-2441.	6.7	24
106	Naked eye plasmonic indicator with multi-responsive polymer brush as signal transducer and amplifier. <i>Nanoscale</i> , 2017, 9, 1925-1933.	5.6	24
107	Ag nanoparticles-coated silica-PMMA core-shell microspheres and hollow PMMA microspheres with Ag nanoparticles in the interior surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 272, 151-156.	4.7	23
108	Pure White-Light Emission of Nanocrystal-Polymer Composites. <i>ChemPhysChem</i> , 2006, 7, 2492-2496.	2.1	23

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109	Fluorescent Nanocomposite Based on PVA Polymer Dots. <i>Acta Chimica Sinica</i> , 2012, 70, 2311.	1.4	23
110	Thermal responsive fluorescent nanocomposites based on carbon dots. <i>RSC Advances</i> , 2015, 5, 15187-15193.	3.6	22
111	Photoinduced cleaning of water-soluble dyes on patterned superhydrophilic/superhydrophobic substrates. <i>Nanoscale</i> , 2010, 2, 277-281.	5.6	21
112	Panchromatic plasmonic color patterns: from embedded Ag nanohole arrays to elevated Ag nanohole arrays. <i>Journal of Materials Chemistry C</i> , 2013, 1, 933-940.	5.5	21
113	Ultrahigh-Sensitivity Sandwiched Plasmon Ruler for Label-Free Clinical Diagnosis. <i>Advanced Materials</i> , 2020, 32, e1905927.	21.0	20
114	Cationic Ligand Protection: A Novel Strategy for One-Pot Preparation of Narrow-Dispersed Aqueous CdS Spheres. <i>Langmuir</i> , 2009, 25, 10237-10242.	3.5	19
115	Effect of Electrostatic Interactions on the Photophysical Properties of the Composites of CdTe Nanocrystals and Carbazole-Containing Polymers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2317-2324.	3.1	18
116	Fabrication of biomimetic high performance antireflective and antifogging film by spin-coating. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 89-95.	9.4	18
117	Building cavities in microspheres and nanospheres. <i>Nanotechnology</i> , 2009, 20, 065305.	2.6	17
118	Electropolymerization of highly hydrophobic polythiophene films with high adhesion force. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1052-1059.	2.6	17
119	Thermal-Responsive Anisotropic Wetting Microstructures for Manipulation of Fluids in Microfluidics. <i>Langmuir</i> , 2017, 33, 494-502.	3.5	17
120	Assembly of non-close-packed 3D colloidal crystals from 2D ones in a polymer matrix via in situ layer-by-layer photopolymerization. <i>Journal of Materials Chemistry</i> , 2008, 18, 3536.	6.7	16
121	A facile solution-phase approach to the synthesis of luminescent europium methacrylate nanowires and their thermal conversion into europium oxide nanotubes. <i>Nanotechnology</i> , 2008, 19, 065607.	2.6	16
122	Manipulation of Cracks in Three-Dimensional Colloidal Crystal Films via Recognition of Surface Energy Patterns: An Approach to Regulating Crack Patterns and Shaping Microcrystals. <i>Langmuir</i> , 2011, 27, 8018-8026.	3.5	16
123	SERS detection of proteins on micropatterned protein-mediated sandwich substrates. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1492-1496.	2.5	16
124	Tunable Polymer Brush/Au NPs Hybrid Plasmonic Arrays Based on Host-guest Interaction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19951-19957.	8.0	16
125	Ag nanoparticle/polymer composite barcode nanorods. <i>Nano Research</i> , 2015, 8, 2871-2880.	10.4	16
126	Anisotropic Wetting of Water on Patterned Asymmetric Nanostructure Arrays. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700034.	3.7	16

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127	Unpacking the toolbox of two-dimensional nanostructures derived from nanosphere templates. <i>Materials Horizons</i> , 2019, 6, 1380-1408.	12.2	16
128	Reinforced Blood-Derived Protein Hydrogels Enable Dual-Level Regulation of Bio-Physicochemical Microenvironments for Personalized Bone Regeneration with Remarkable Enhanced Efficacy. <i>Nano Letters</i> , 2022, 22, 3904-3913.	9.1	16
129	Bifunctional Fe ₃ O ₄ /CdS Nanocomposites Synthesized by Surface-initiated Atom Transfer Radical Polymerization. <i>Chemistry Letters</i> , 2005, 34, 652-653.	1.3	15
130	Low Electric Field Intensity and Thermotropic Tuning Surface Plasmon Band Shift of Gold Island Film by Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2720-2727.	3.1	15
131	The fabrication of long-range ordered nanocrescent structures based on colloidal lithography and parallel imprinting. <i>Nanotechnology</i> , 2013, 24, 105307.	2.6	15
132	Polymer-assisted fabrication of gold nanoring arrays. <i>Nano Research</i> , 2017, 10, 3346-3357.	10.4	15
133	Fabricating a binary pattern of ordered two-dimensional luminescent (mdppy)BF arrays by dewetting. <i>Journal of Materials Chemistry</i> , 2006, 16, 2135.	6.7	14
134	Fine-Tuning the Surface Functionality of Aqueous Luminescent Nanocrystals through Surfactant Bilayer Modification. <i>Langmuir</i> , 2008, 24, 12730-12733.	3.5	14
135	Supercrystal structures of polyhedral PbS nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 351-358.	9.4	14
136	Modulate the Morphology and Spectroscopic Property of Gold Nanoparticle Arrays by Polymer-Assisted Thermal Treatment. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11839-11845.	3.1	14
137	Multifunctional Reversible Fluorescent Controller Based on a One-Dimensional Photonic Crystal. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28844-28852.	8.0	14
138	Secondary dialkylammonium salt/crown ether [2]pseudorotaxanes as nanostructured platforms for proton transport. <i>Chemical Communications</i> , 2018, 54, 8092-8095.	4.1	14
139	Nanoassembly of photoluminescent films containing rare earth complex nanoparticles on planar and microspherical supports. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 278, 39-45.	4.7	13
140	Manipulation of semiconductor nanocrystal growth in polymer soft solids. <i>Soft Matter</i> , 2009, 5, 4113.	2.7	13
141	Full Color Plasmonic Nanostructured Surfaces and Their Sensor Applications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19908-19912.	3.1	13
142	Formation of nanoparticles in solid-state matrices: a strategy for bulk transparent TiO ₂ polymer nanocomposites. <i>Polymer Chemistry</i> , 2012, 3, 3296.	3.9	13
143	Morphology-controlled fabrication of elliptical nanoring arrays based on facile colloidal lithography. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1122-1129.	5.5	13
144	Graded nanowell arrays: a fine plasmonic library with an adjustable spectral range. <i>Nanoscale</i> , 2017, 9, 6724-6733.	5.6	13

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145	Multifunctional nanoparticles/silica microsphere assemblies using polyglycidyl methacrylate shells as supports. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 83-90.	9.4	12
146	A two-step method combining electrodepositing and spin-coating for solar cell processing. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1051-1056.	2.5	12
147	Graded Protein/PEG Nanopattern Arrays: Well-Defined Gradient Biomaterials to Induce Basic Cellular Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1595-1603.	8.0	12
148	A Flexible Polymer Nanofiber-Gold Nanoparticle Composite Film for Solar-Driven Thermal Seawater Desalination. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000390.	3.9	12
149	A simple method of preparing Ag nanoparticles coated silica colloidal crystals and polymer-Ag nanoparticles composite macroporous films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 277, 37-43.	4.7	11
150	The influence of oxygen on the fluorescence enhancement of fatty-acid-capped CdS nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 104-108.	9.4	11
151	Preparation of Carbazole-Containing Amphiphilic Copolymers: An Efficient Method for the Incorporation of Functional Nanocrystals. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 929-936.	3.6	11
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