

Zhihong Nie

List of Publications by Year in descending order

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144
papers

18,533
citations

18482

62
h-index

11607

135
g-index

158
all docs

158
docs citations

158
times ranked

21816
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and emerging applications of self-assembled structures made from inorganic nanoparticles. <i>Nature Nanotechnology</i> , 2010, 5, 15-25.	31.5	1,449
2	Patterning surfaces with functional polymers. <i>Nature Materials</i> , 2008, 7, 277-290.	27.5	841
3	Electrochemical sensing in paper-based microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 477-483.	6.0	837
4	Self-assembly of metal-polymer analogues of amphiphilic triblock copolymers. <i>Nature Materials</i> , 2007, 6, 609-614.	27.5	746
5	Generation of Monodisperse Particles by Using Microfluidics: Control over Size, Shape, and Composition. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 724-728.	13.8	700
6	Janus and Ternary Particles Generated by Microfluidic Synthesis: Design, Synthesis, and Self-Assembly. <i>Journal of the American Chemical Society</i> , 2006, 128, 9408-9412.	13.7	692
7	Photosensitizer-Loaded Gold Vesicles with Strong Plasmonic Coupling Effect for Imaging-Guided Photothermal/Photodynamic Therapy. <i>ACS Nano</i> , 2013, 7, 5320-5329.	14.6	603
8	Biodegradable Gold Nanovesicles with an Ultrastrong Plasmonic Coupling Effect for Photoacoustic Imaging and Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13958-13964.	13.8	577
9	Three-dimensional shape transformations of hydrogel sheets induced by small-scale modulation of internal stresses. <i>Nature Communications</i> , 2013, 4, 1586.	12.8	518
10	Polymer Particles with Various Shapes and Morphologies Produced in Continuous Microfluidic Reactors. <i>Journal of the American Chemical Society</i> , 2005, 127, 8058-8063.	13.7	503
11	Step-Growth Polymerization of Inorganic Nanoparticles. <i>Science</i> , 2010, 329, 197-200.	12.6	475
12	Integration of paper-based microfluidic devices with commercial electrochemical readers. <i>Lab on A Chip</i> , 2010, 10, 3163.	6.0	452
13	Microfluidic Production of Biopolymer Microcapsules with Controlled Morphology. <i>Journal of the American Chemical Society</i> , 2006, 128, 12205-12210.	13.7	335
14	Supramolecular nanofibrillar hydrogels as highly stretchable, elastic and sensitive ionic sensors. <i>Materials Horizons</i> , 2019, 6, 326-333.	12.2	327
15	Programmable diagnostic devices made from paper and tape. <i>Lab on A Chip</i> , 2010, 10, 2499.	6.0	320
16	Multiple Shape Transformations of Composite Hydrogel Sheets. <i>Journal of the American Chemical Society</i> , 2013, 135, 4834-4839.	13.7	302
17	Emulsification in a microfluidic flow-focusing device: effect of the viscosities of the liquids. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 585-594.	2.2	299
18	Self-Assembly of Inorganic Nanoparticle Vesicles and Tubules Driven by Tethered Linear Block Copolymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 11342-11345.	13.7	286

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19	Microfluidic 3D cell culture: potential application for tissue-based bioassays. <i>Bioanalysis</i> , 2012, 4, 1509-1525.	1.5	268
20	Self-Assembly of Amphiphilic Plasmonic Micelle-Like Nanoparticles in Selective Solvents. <i>Journal of the American Chemical Society</i> , 2013, 135, 7974-7984.	13.7	251
21	Continuous Microfluidic Reactors for Polymer Particles. <i>Langmuir</i> , 2005, 21, 11614-11622.	3.5	244
22	Autonomous self-healing of poly(acrylic acid) hydrogels induced by the migration of ferric ions. <i>Polymer Chemistry</i> , 2013, 4, 4601.	3.9	242
23	Microfluidic consecutive flow-focusing droplet generators. <i>Soft Matter</i> , 2007, 3, 986.	2.7	230
24	Supramolecular Assembly of Gold Nanorods End-Terminated with Polymer Pom-Poms: Effect of Pom-Pom Structure on the Association Modes. <i>Journal of the American Chemical Society</i> , 2008, 130, 3683-3689.	13.7	213
25	Polymer-guided assembly of inorganic nanoparticles. <i>Chemical Society Reviews</i> , 2020, 49, 465-508.	38.1	196
26	Separation of Nanoparticles in Aqueous Multiphase Systems through Centrifugation. <i>Nano Letters</i> , 2012, 12, 4060-4064.	9.1	186
27	Dual-gradient enabled ultrafast biomimetic snapping of hydrogel materials. <i>Science Advances</i> , 2019, 5, eaav7174.	10.3	184
28	From nature to synthetic systems: shape transformation in soft materials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2357-2368.	5.8	175
29	pH dependent catalytic activities of platinum nanoparticles with respect to the decomposition of hydrogen peroxide and scavenging of superoxide and singlet oxygen. <i>Nanoscale</i> , 2014, 6, 11904-11910.	5.6	171
30	Folding Up of Gold Nanoparticle Strings into Plasmonic Vesicles for Enhanced Photoacoustic Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15809-15812.	13.8	161
31	Paper-Based Analytical Device for Electrochemical Flow-Injection Analysis of Glucose in Urine. <i>Analytical Chemistry</i> , 2012, 84, 4147-4152.	6.5	153
32	An Enzyme-Free Signal Amplification Technique for Ultrasensitive Colorimetric Assay of Disease Biomarkers. <i>ACS Nano</i> , 2017, 11, 2052-2059.	14.6	150
33	Self-limiting directional nanoparticle bonding governed by reaction stoichiometry. <i>Science</i> , 2020, 369, 1369-1374.	12.6	139
34	Cooperative Assembly of Magneto-Nanovesicles with Tunable Wall Thickness and Permeability for MRI-Guided Drug Delivery. <i>Journal of the American Chemical Society</i> , 2018, 140, 4666-4677.	13.7	138
35	Glutathione-Responsive Self-Assembled Magnetic Gold Nanowreath for Enhanced Tumor Imaging and Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 8129-8137.	14.6	131
36	Entropy-Driven Pattern Formation of Hybrid Vesicular Assemblies Made from Molecular and Nanoparticle Amphiphiles. <i>Journal of the American Chemical Society</i> , 2014, 136, 2602-2610.	13.7	126

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37	Evolution of Self-Assembled Structures of Polymer-Terminated Gold Nanorods in Selective Solvents. <i>Advanced Materials</i> , 2008, 20, 4318-4322.	21.0	124
38	Hydrodynamically Driven Self-Assembly of Giant Vesicles of Metal Nanoparticles for Remote-Controlled Release. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2463-2468.	13.8	118
39	Suppressing Nanoparticle-Mononuclear Phagocyte System Interactions of Two-Dimensional Gold Nanorings for Improved Tumor Accumulation and Photothermal Ablation of Tumors. <i>ACS Nano</i> , 2017, 11, 10539-10548.	14.6	117
40	Close-Packed Superlattices of Side-by-Side Assembled Au-CdSe Nanorods. <i>Nano Letters</i> , 2009, 9, 3077-3081.	9.1	115
41	Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light. <i>Advanced Materials</i> , 2014, 26, 5613-5618.	21.0	112
42	Anisotropic Self-Assembly of Hairy Inorganic Nanoparticles. <i>Accounts of Chemical Research</i> , 2017, 50, 12-21.	15.6	111
43	An "Inside-Out" Microfluidic Approach to Monodisperse Emulsions Stabilized by Solid Particles. <i>Journal of the American Chemical Society</i> , 2008, 130, 16508-16509.	13.7	109
44	Magneto-Plasmonic Janus Vesicles for Magnetic Field-Enhanced Photoacoustic and Magnetic Resonance Imaging of Tumors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15297-15300.	13.8	102
45	Platinum Nanoparticles: Efficient and Stable Catechol Oxidase Mimetics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19709-19717.	8.0	98
46	Simultaneous generation of droplets with different dimensions in parallel integrated microfluidic droplet generators. <i>Soft Matter</i> , 2008, 4, 258-262.	2.7	93
47	Enzyme-induced in vivo assembly of gold nanoparticles for imaging-guided synergistic chemo-photothermal therapy of tumor. <i>Biomaterials</i> , 2019, 223, 119460.	11.4	90
48	A Microfluidic Approach to Chemically Driven Assembly of Colloidal Particles at Gas-Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5300-5304.	13.8	83
49	Transformable Honeycomb-Like Nanoassemblies of Carbon Dots for Regulated Multisite Delivery and Enhanced Antitumor Chemoimmunotherapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6581-6592.	13.8	82
50	Microfluidics: From Dynamic Lattices to Periodic Arrays of Polymer Disks. <i>Langmuir</i> , 2005, 21, 4773-4775.	3.5	81
51	Ordering of Gold Nanorods in Confined Spaces by Directed Assembly. <i>Macromolecules</i> , 2013, 46, 2241-2248.	4.8	81
52	Continuous Microfluidic Self-Assembly of Hybrid Janus-Like Vesicular Motors: Autonomous Propulsion and Controlled Release. <i>Small</i> , 2015, 11, 3762-3767.	10.0	80
53	Screening of the Effect of Surface Energy of Microchannels on Microfluidic Emulsification. <i>Langmuir</i> , 2007, 23, 8010-8014.	3.5	78
54	Multi-Step Microfluidic Polymerization Reactions Conducted in Droplets: The Internal Trigger Approach. <i>Journal of the American Chemical Society</i> , 2008, 130, 9935-9941.	13.7	77

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55	Continuous Synthesis of Copolymer Particles in Microfluidic Reactors. <i>Macromolecules</i> , 2005, 38, 4536-4538.	4.8	72
56	Micro- and Nanopatterning of Inorganic and Polymeric Substrates by Indentation Lithography. <i>Nano Letters</i> , 2010, 10, 2702-2708.	9.1	72
57	A General Approach to Synthesize Asymmetric Hybrid Nanoparticles by Interfacial Reactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3639-3642.	13.7	72
58	Catalytic Propulsion and Magnetic Steering of Soft, Patchy Microcapsules: Ability to Pick-Up and Drop-Off Microscale Cargo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15676-15683.	8.0	69
59	Polymers and inorganic nanoparticles: A winning combination towards assembled nanostructures for cancer imaging and therapy. <i>Nano Today</i> , 2021, 36, 101046.	11.9	66
60	Hybrid hydrogel sheets that undergo pre-programmed shape transformations. <i>Soft Matter</i> , 2014, 10, 8157-8162.	2.7	65
61	<i>In Situ</i> Plasmonic Counter for Polymerization of Chains of Gold Nanorods in Solution. <i>ACS Nano</i> , 2013, 7, 5901-5910.	14.6	63
62	Concurrent self-assembly of amphiphiles into nanoarchitectures with increasing complexity. <i>Nano Today</i> , 2015, 10, 278-300.	11.9	62
63	Alternating Copolymerization of Inorganic Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 7917-7925.	13.7	62
64	A Simple Route To Improve Inorganic Nanoparticles Loading Efficiency in Block Copolymer Micelles. <i>Macromolecules</i> , 2013, 46, 2282-2291.	4.8	61
65	Stimuli-responsive cyclodextrin-based nanoplatforms for cancer treatment and theranostics. <i>Materials Horizons</i> , 2019, 6, 846-870.	12.2	61
66	Microfluidic Synthesis of Macroporous Copolymer Particles. <i>Macromolecules</i> , 2008, 41, 3555-3561.	4.8	58
67	Photoacoustic and Colorimetric Visualization of Latent Fingerprints. <i>ACS Nano</i> , 2015, 9, 12344-12348.	14.6	58
68	Symmetry-Breaking Synthesis of Multicomponent Nanoparticles. <i>Accounts of Chemical Research</i> , 2019, 52, 1125-1133.	15.6	58
69	Near-infrared light-responsive vesicles of Au nanoflowers. <i>Chemical Communications</i> , 2013, 49, 576-578.	4.1	57
70	Polyprodrug Nanomedicines: An Emerging Paradigm for Cancer Therapy. <i>Advanced Materials</i> , 2022, 34, e2107434.	21.0	57
71	Enzyme-Triggered Folding of Hydrogels: Toward a Mimic of the Venus Flytrap. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19066-19074.	8.0	56
72	Generation of Monodisperse Particles by Using Microfluidics: Control over Size, Shape, and Composition. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3799-3799.	13.8	55

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73	DNA-organic hybrid nanovaccine for cancer immunotherapy. <i>Nanoscale</i> , 2016, 8, 6684-6692.	5.6	54
74	Vesicular Self-Assembly of Colloidal Amphiphiles in Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9746-9751.	8.0	51
75	Asymmetric organic/metal(oxide) hybrid nanoparticles: synthesis and applications. <i>Nanoscale</i> , 2013, 5, 5151.	5.6	50
76	One-pot facile synthesis of Janus particles with tailored shape and functionality. <i>Chemical Communications</i> , 2011, 47, 12450.	4.1	49
77	Synthesis of Platinum Nanotubes and Nanorings via Simultaneous Metal Alloying and Etching. <i>Journal of the American Chemical Society</i> , 2016, 138, 6332-6335.	13.7	49
78	Harnessing the collective properties of nanoparticle ensembles for cancer theranostics. <i>Nano Research</i> , 2014, 7, 1719-1730.	10.4	47
79	Macroscopic two-dimensional monolayer films of gold nanoparticles: fabrication strategies, surface engineering and functional applications. <i>Nanoscale</i> , 2020, 12, 7433-7460.	5.6	47
80	Wet-Chemical Synthesis of Amphiphilic Rodlike Silica Particles and their Molecular Mimetic Assembly in Selective Solvents. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3628-3633.	13.8	45
81	Self-Assembly of Amphiphilic Block Copolymer-Ethered Nanoparticles: a New Approach to Nanoscale Design of Functional Materials. <i>Macromolecular Rapid Communications</i> , 2015, 36, 711-725.	3.9	44
82	Self-accelerating H ₂ O ₂ -responsive Plasmonic Nanovesicles for Synergistic Chemo/starving therapy of Tumors. <i>Theranostics</i> , 2020, 10, 8691-8704.	10.0	43
83	Construction of multifunctional photonic crystal microcapsules with tunable shell structures by combining microfluidic and controlled photopolymerization. <i>Lab on A Chip</i> , 2012, 12, 2795.	6.0	40
84	Engineering Gold Nanoparticles in Compass Shape with Broadly Tunable Plasmon Resonances and High-Performance SERS. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27949-27955.	8.0	39
85	A microfluidic route to small CO ₂ microbubbles with narrow size distribution. <i>Soft Matter</i> , 2010, 6, 630-634.	2.7	38
86	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018, 34, 1310-1322.	3.5	35
87	Block-Random Copolymer-Micellization-Mediated Formation of Polymeric Patches on Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2021, 143, 5060-5070.	13.7	34
88	Collapsed polymer-directed synthesis of multicomponent coaxial-like nanostructures. <i>Nature Communications</i> , 2016, 7, 12147.	12.8	32
89	Synthesis and Liquid-Crystal Behavior of Bent Colloidal Silica Rods. <i>Journal of the American Chemical Society</i> , 2016, 138, 68-71.	13.7	32
90	Microfluidic Device Directly Fabricated on Screen-Printed Electrodes for Ultrasensitive Electrochemical Sensing of PSA. <i>Nanoscale Research Letters</i> , 2019, 14, 71.	5.7	31

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91	Phase behaviors of colloidal analogs of bent-core liquid crystals. <i>Science Advances</i> , 2018, 4, eaas8829.	10.3	30
92	General Synthesis of Ultrafine Monodispersed Hybrid Nanoparticles from Highly Stable Monomicelles. <i>Advanced Materials</i> , 2021, 33, e2100820.	21.0	30
93	Temperature-controlled "breathing" of carbon dioxide bubbles. <i>Lab on A Chip</i> , 2011, 11, 3545.	6.0	29
94	Facile synthesis of functional Au nanopatches and nanocups. <i>Chemical Communications</i> , 2012, 48, 7344.	4.1	29
95	Ultrasound assisted interfacial synthesis of gold nanocones. <i>Chemical Communications</i> , 2013, 49, 987-989.	4.1	29
96	Macroscopic Assembly of Gold Nanorods into Superstructures with Controllable Orientations by Anisotropic Affinity Interaction. <i>Langmuir</i> , 2017, 33, 13867-13873.	3.5	29
97	Engineering heterogeneity of precision nanoparticles for biomedical delivery and therapy. <i>View</i> , 2021, 2, 20200067.	5.3	29
98	Self-Assembly of Shaped Nanoparticles into Free-Standing 2D and 3D Superlattices. <i>Small</i> , 2016, 12, 499-505.	10.0	28
99	Self-assembled lipoprotein based gold nanoparticles for detection and photothermal disaggregation of β -amyloid aggregates. <i>Chemical Communications</i> , 2017, 53, 2102-2105.	4.1	27
100	Shape Complementarity Modulated Self-Assembly of Nanoring and Nanosphere Hetero-nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 11680-11684.	13.7	26
101	Laser-Scanning-Guided Assembly of Quasi-3D Patterned Arrays of Plasmonic Dimers for Information Encryption. <i>Advanced Materials</i> , 2021, 33, e2100325.	21.0	26
102	Controllable self-assembled plasmonic vesicle-based three-dimensional SERS platform for picomolar detection of hydrophobic contaminants. <i>Nanoscale</i> , 2018, 10, 13202-13211.	5.6	25
103	Polymeric Ligand-Mediated Regioselective Bonding of Plasmonic Nanoplates and Nanospheres. <i>Journal of the American Chemical Society</i> , 2020, 142, 17282-17286.	13.7	25
104	What is next in polymer-grafted plasmonic nanoparticles?. <i>Giant</i> , 2020, 4, 100033.	5.1	25
105	Reprogrammable ultra-fast shape-transformation of macroporous composite hydrogel sheets. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2883-2887.	5.8	23
106	Polymer-Tethered Nanoparticles: From Surface Engineering to Directional Self-Assembly. <i>Accounts of Chemical Research</i> , 2022, 55, 1503-1513.	15.6	23
107	Nanomagnetic-mediated drug delivery for the treatment of dental disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 919-927.	3.3	21
108	Synthesis and assembly of colloidal cuboids with tunable shape biaxiality. <i>Nature Communications</i> , 2018, 9, 4513.	12.8	21

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109	Giant soft-memory in liquid crystal nanocomposites. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	20
110	Colloidal stability of nanoparticles stabilized with mixed ligands in solvents with varying polarity. <i>Chemical Communications</i> , 2020, 56, 8131-8134.	4.1	20
111	Two-Step Raman Imaging Technique To Guide Chemo-Photothermal Cancer Therapy. <i>Chemistry - A European Journal</i> , 2015, 21, 17274-17281.	3.3	19
112	Programming the Shape Transformation of a Composite Hydrogel Sheet via Erasable and Rewritable Nanoparticle Patterns. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42654-42660.	8.0	19
113	Conformational Study on Thin Films of Symmetric AnB ₂ nAn Triblock Copolymer. <i>Macromolecular Theory and Simulations</i> , 2005, 14, 463-473.	1.4	18
114	Immobilized Seed-Mediated Growth of Two-Dimensional Array of Metallic Nanocrystals with Asymmetric Shapes. <i>ACS Nano</i> , 2018, 12, 1107-1119.	14.6	18
115	Melamine promotes calcium crystal formation in three-dimensional microfluidic device. <i>Scientific Reports</i> , 2019, 9, 875.	3.3	18
116	A welding phenomenon of dissimilar nanoparticles in dispersion. <i>Nature Communications</i> , 2019, 10, 219.	12.8	18
117	Accounting for inhomogeneous broadening in nano-optics by electromagnetic modeling based on Monte Carlo methods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E639-E644.	7.1	17
118	Synthesis of circular and triangular gold nanorings with tunable optical properties. <i>Chemical Communications</i> , 2017, 53, 10765-10767.	4.1	17
119	Nature-Inspired Sequential Shape Transformation of Energy-Patterned Hydrogel Sheets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4878-4886.	8.0	16
120	Temperature mediated generation of armoured bubbles. <i>Chemical Communications</i> , 2011, 47, 12712.	4.1	15
121	Formation of hybrid core-shell microgels induced by autonomous unidirectional migration of nanoparticles. <i>Materials Horizons</i> , 2016, 3, 78-82.	12.2	14
122	A shape-shifting composite hydrogel sheet with spatially patterned plasmonic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1679-1683.	5.8	13
123	Magneto-Plasmonic Janus Vesicles for Magnetic Field-Enhanced Photoacoustic and Magnetic Resonance Imaging of Tumors. <i>Angewandte Chemie</i> , 2016, 128, 15523-15526.	2.0	12
124	Precisely Defining Local Gradients of Stimuli-Responsive Hydrogels for Complex 2D-to-4D Shape Evolutions. <i>Small</i> , 2022, 18, e2104440.	10.0	12
125	Light-Mediated Shape Transformation of a Self-Rolling Nanocomposite Hydrogel Tube. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13521-13528.	8.0	11
126	Single Copolymer Chain-Templated Synthesis of Ultrasmall Symmetric and Asymmetric Silica-Based Nanoparticles. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10

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127	Centimeter-Scale Superlattices of Three-Dimensionally Orientated Plasmonic Dimers with Highly Tunable Collective Properties. <i>ACS Nano</i> , 2022, 16, 4609-4618.	14.6	10
128	Fluorescent microsphere probe for rapid qualitative and quantitative detection of trypsin activity. <i>Nanoscale Advances</i> , 2019, 1, 162-167.	4.6	9
129	Entropy-driven segregation and budding in hybrid vesicles of binary nanoparticle amphiphiles. <i>Giant</i> , 2020, 1, 100010.	5.1	8
130	Transformable Honeycomb-Like Nanoassemblies of Carbon Dots for Regulated Multisite Delivery and Enhanced Antitumor Chemoimmunotherapy. <i>Angewandte Chemie</i> , 2021, 133, 6655-6666.	2.0	7
131	Plasmon spectra in two-dimensional nanorod arrays. <i>Nanotechnology</i> , 2009, 20, 295203.	2.6	6
132	New-phase retention in colloidal core/shell nanocrystals <i>via</i> pressure-modulated phase engineering. <i>Chemical Science</i> , 2021, 12, 6580-6587.	7.4	6
133	Light-triggered generation of multifunctional gas-filled capsules on-demand. <i>Journal of Materials Chemistry C</i> , 2016, 4, 652-658.	5.5	5
134	Ionic diode-based self-powered ionic skins with multiple sensory capabilities. <i>Materials Today Physics</i> , 2022, 26, 100744.	6.0	5
135	Interfacial phenomena in (de)hydrogenation reactions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11985.	2.8	4
136	Regioselective metal deposition on polymer-Au nanoparticle hybrid chains. <i>Science China Materials</i> , 2019, 62, 1363-1367.	6.3	3
137	Construction of 3D shape-changing hydrogels via light-modulated internal stress fields. <i>Energy and Environmental Materials</i> , 0, , .	12.8	2
138	The Endless and Turbulent Frontier of Academic Entrepreneurship. <i>ACS Nano</i> , 2021, 15, 16947-16952.	14.6	1
139	Electrostatic Adsorption Behaviors of Charged Polymer-ethered Nanoparticles on Oppositely Charged Surfaces. <i>Macromolecular Rapid Communications</i> , 2022, , 2200171.	3.9	1
140	Cover Picture: A Microfluidic Approach to Chemically Driven Assembly of Colloidal Particles at Gas-Liquid Interfaces (<i>Angew. Chem. Int. Ed.</i> 29/2009). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5219-5219.	13.8	0
141	Electrochemical Microfluidic Paper-Based Analytical Devices Using a Glucometer for Point-of-Care Detection of Multiple Analytes. <i>ECS Meeting Abstracts</i> , 2011, , .	0.0	0
142	Nanoparticles: Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light (<i>Adv. Mater.</i> 32/2014). <i>Advanced Materials</i> , 2014, 26, 5731-5731.	21.0	0
143	Synthesis, Self-Assembly, and Applications of Amphiphilic Janus and Triblock Janus Nanoparticle Analogs. , 2017, , 233-275.		0
144	Self-assembly of Polymer-grafted Inorganic Nanoparticles into Functional Hybrid Materials. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , 87-133.	0.1	0