

# Qiang He

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4099083/publications.pdf>

Version: 2024-02-01

192  
papers

14,416  
citations

14655  
66  
h-index

21540  
114  
g-index

214  
all docs

214  
docs citations

214  
times ranked

12331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Preparation of MnO <sub>2</sub> Hierarchical Hollow Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2008, 20, 452-456.	21.0	712
2	Reconfigurable magnetic microrobot swarm: Multimode transformation, locomotion, and manipulation. <i>Science Robotics</i> , 2019, 4, .	17.6	459
3	Near Infrared Light-Powered Janus Mesoporous Silica Nanoparticle Motors. <i>Journal of the American Chemical Society</i> , 2016, 138, 6492-6497.	13.7	385
4	Self-Propelled Polymer-Based Multilayer Nanorockets for Transportation and Drug Release. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7000-7003.	13.8	321
5	Transition of Cationic Dipeptide Nanotubes into Vesicles and Oligonucleotide Delivery. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2431-2434.	13.8	306
6	Macrophage Cell Membrane Camouflaged Au Nanoshells for in Vivo Prolonged Circulation Life and Enhanced Cancer Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9610-9618.	8.0	295
7	Stem Cell Membrane-Coated Nanogels for Highly Efficient In Vivo Tumor Targeted Drug Delivery. <i>Small</i> , 2016, 12, 4056-4062.	10.0	271
8	Macrophage Cell Membrane Camouflaged Mesoporous Silica Nanocapsules for In Vivo Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 1645-1652.	7.6	259
9	Turning Erythrocytes into Functional Micromotors. <i>ACS Nano</i> , 2014, 8, 12041-12048.	14.6	247
10	Smart core/shell nanocomposites: Intelligent polymers modified gold nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2009, 149, 28-38.	14.7	245
11	Organogels Based on Self-Assembly of Diphenylalanine Peptide and Their Application To Immobilize Quantum Dots. <i>Chemistry of Materials</i> , 2008, 20, 1522-1526.	6.7	238
12	Highly Flexible Polyelectrolyte Nanotubes. <i>Journal of the American Chemical Society</i> , 2003, 125, 11140-11141.	13.7	234
13	Fabrication of pH-Responsive Nanocomposites of Gold Nanoparticles/Poly(4-vinylpyridine). <i>Chemistry of Materials</i> , 2007, 19, 412-417.	6.7	232
14	Dual-responsive biohybrid neutrobots for active target delivery. <i>Science Robotics</i> , 2021, 6, .	17.6	227
15	Near-Infrared Light-Triggered "On/Off" Motion of Polymer Multilayer Rockets. <i>ACS Nano</i> , 2014, 8, 6097-6105.	14.6	221
16	Autonomous Movement of Controllable Assembled Janus Capsule Motors. <i>ACS Nano</i> , 2012, 6, 10910-10916.	14.6	214
17	Cell-Membrane-Coated Synthetic Nanomotors for Effective Biodetoxification. <i>Advanced Functional Materials</i> , 2015, 25, 3881-3887.	14.9	212
18	Self-Propelled Polymer Multilayer Janus Capsules for Effective Drug Delivery and Light-Triggered Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 10476-10481.	8.0	208

#	ARTICLE	IF	CITATIONS
19	Biodegradable Protein-Based Rockets for Drug Transportation and Light-Triggered Release. ACS Applied Materials & Interfaces, 2015, 7, 250-255.	8.0	208
20	Self-Propelled Micro-Nanomotors Based on Controlled Assembled Architectures. Advanced Materials, 2016, 28, 1060-1072.	21.0	203
21	Biomedical Micro-Nanomotors: From Overcoming Biological Barriers to In Vivo Imaging. Advanced Materials, 2021, 33, e2000512.	21.0	195
22	Molecular assembly and application of biomimetic microcapsules. Chemical Society Reviews, 2009, 38, 2292.	38.1	190
23	Shape-Transformable, Fusible Rodlike Swimming Liquid Metal Nanomachine. ACS Nano, 2018, 12, 10212-10220.	14.6	186
24	Self-Propelled Nanomotors for Thermomechanically Percolating Cell Membranes. Angewandte Chemie - International Edition, 2018, 57, 12463-12467.	13.8	173
25	Thermosensitive Nanostructures Comprising Gold Nanoparticles Grafted with Block Copolymers. Advanced Functional Materials, 2007, 17, 3134-3140.	14.9	171
26	Superfast Near-Infrared Light-Driven Polymer Multilayer Rockets. Small, 2016, 12, 577-582.	10.0	168
27	Chemotaxis-Guided Hybrid Neutrophil Micromotors for Targeted Drug Transport. Angewandte Chemie - International Edition, 2017, 56, 12935-12939.	13.8	166
28	Self-Propelled Janus Mesoporous Silica Nanomotors with Sub-100 nm Diameters for Drug Encapsulation and Delivery. ChemPhysChem, 2014, 15, 2255-2260.	2.1	155
29	Magnetically Actuated Peanut Colloid Motors for Cell Manipulation and Patterning. ACS Nano, 2018, 12, 2539-2545.	14.6	153
30	Reversible Transitions between Peptide Nanotubes and Vesicle-Like Structures Including Theoretical Modeling Studies. Chemistry - A European Journal, 2008, 14, 5974-5980.	3.3	151
31	Immobilization of glucose oxidase onto gold nanoparticles with enhanced thermostability. Biochemical and Biophysical Research Communications, 2007, 355, 488-493.	2.1	149
32	RBC micromotors carrying multiple cargos towards potential theranostic applications. Nanoscale, 2015, 7, 13680-13686.	5.6	149
33	Water-Powered Cell-Mimicking Janus Micromotor. Advanced Functional Materials, 2015, 25, 7497-7501.	14.9	147
34	Two-Stage pH Response of Poly(4-vinylpyridine) Grafted Gold Nanoparticles. Macromolecules, 2008, 41, 7254-7256.	4.8	144
35	Plasmonic nanoparticle-embedded poly(p-phenylene benzobisoxazole) nanofibrous composite films for solar steam generation. Nanoscale, 2018, 10, 6186-6193.	5.6	143
36	Preparation of polymer-coated mesoporous silica nanoparticles used for cellular imaging by a "graft-from" method. Journal of Materials Chemistry, 2008, 18, 5731.	6.7	132

#	ARTICLE	IF	CITATIONS
37	Stem-Cell-Membrane Camouflaging on Near-Infrared Photoactivated Upconversion Nanoarchitectures for in Vivo Remote-Controlled Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34252-34260.	8.0	132
38	Assembled alginate/chitosan nanotubes for biological application. <i>Biomaterials</i> , 2007, 28, 3083-3090.	11.4	130
39	Red Blood Cell-Mimicking Micromotor for Active Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23392-23400.	8.0	126
40	Recent Progress on Bioinspired Self-Propelled Micro/Nanomotors via Controlled Molecular Self-Assembly. <i>Small</i> , 2016, 12, 3080-3093.	10.0	125
41	Thermosensitive Copolymer Networks Modify Gold Nanoparticles for Nanocomposite Entrapment. <i>Chemistry - A European Journal</i> , 2007, 13, 2224-2229.	3.3	121
42	Near-Infrared-Activated Nanocalorifiers in Microcapsules: Vapor Bubble Generation for In Vivo Enhanced Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12782-12787.	13.8	118
43	Gold-Nanoshell-Functionalized Polymer Nanoswimmer for Photomechanical Poration of Single-Cell Membrane. <i>Journal of the American Chemical Society</i> , 2019, 141, 6601-6608.	13.7	118
44	Guidable Thermophoretic Janus Micromotors Containing Gold Nanocalorifiers for Infrared Laser Assisted Tissue Welding. <i>Advanced Science</i> , 2016, 3, 1600206.	11.2	115
45	Bubble-Propelled Janus Gallium/Zinc Micromotors for the Active Treatment of Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8750-8754.	13.8	115
46	Autonomous Collision-Free Navigation of Microvehicles in Complex and Dynamically Changing Environments. <i>ACS Nano</i> , 2017, 11, 9268-9275.	14.6	107
47	Encapsulated photosensitive drugs by biodegradable microcapsules to incapacitate cancer cells. <i>Journal of Materials Chemistry</i> , 2007, 17, 4018.	6.7	99
48	Near-infrared light-driven Janus capsule motors: Fabrication, propulsion, and simulation. <i>Nano Research</i> , 2016, 9, 3747-3756.	10.4	96
49	Noncontinuous Super-Diffusive Dynamics of a Light-Activated Nanobottle Motor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6838-6842.	13.8	95
50	Hemoglobin protein hollow shells fabricated through covalent layer-by-layer technique. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 357-362.	2.1	94
51	Assembly of a Self-Complementary Monomer: Formation of Supramolecular Polymer Networks and Responsive Gels. <i>Chemistry - A European Journal</i> , 2011, 17, 2435-2441.	3.3	93
52	Fabrication of Protein Nanotubes Based on Layer-by-Layer Assembly. <i>Biomacromolecules</i> , 2006, 7, 2539-2542.	5.4	88
53	Light-Activated Active Colloid Ribbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13517-13520.	13.8	87
54	Macroscale Chemotaxis from a Swarm of Bacteria-Mimicking Nanoswimmers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12200-12205.	13.8	85

#	ARTICLE	IF	CITATIONS
55	Motor Protein CF <sub>0</sub> F <sub>1</sub> Reconstituted in Lipid-Coated Hemoglobin Microcapsules for ATP Synthesis. <i>Advanced Materials</i> , 2008, 20, 601-605.	21.0	83
56	Fabrication of Fluorescent Nanotubes Based on Layer-by-Layer Assembly via Covalent Bond. <i>Langmuir</i> , 2006, 22, 360-362.	3.5	78
57	A peony-flower-like hierarchical mesocrystal formed by diphenylalanine. <i>Journal of Materials Chemistry</i> , 2010, 20, 6734.	6.7	78
58	Adenosine Triphosphate Biosynthesis Catalyzed by F <sub>0</sub> F <sub>1</sub> ATP Synthase Assembled in Polymer Microcapsules. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6996-7000.	13.8	77
59	Thermoresponsive Polymer Brush Modulation on the Direction of Motion of Phoretically Driven Janus Micromotors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4184-4188.	13.8	76
60	Smart polyelectrolyte microcapsules as carriers for water-soluble small molecular drug. <i>Journal of Controlled Release</i> , 2009, 139, 160-166.	9.9	74
61	Leukocyte Membrane-Coated Liquid Metal Nanoswimmers for Actively Targeted Delivery and Synergistic Chemophotothermal Therapy. <i>Research</i> , 2020, 2020, 3676954.	5.7	73
62	Fabrication of Thermosensitive Polymer Nanopatterns through Chemical Lithography and Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2007, 23, 3981-3987.	3.5	72
63	Complex polymer brush gradients based on nanolithography and surface-initiated polymerization. <i>Chemical Society Reviews</i> , 2012, 41, 3584.	38.1	70
64	Leucocyte Membrane-Coated Janus Microcapsules for Enhanced Photothermal Cancer Treatment. <i>Langmuir</i> , 2016, 32, 3637-3644.	3.5	68
65	Self-Assembly of Peptide-Based Colloids Containing Lipophilic Nanocrystals. <i>Small</i> , 2008, 4, 1687-1693.	10.0	67
66	Self-assembly of composite nanotubes and their applications. <i>Current Opinion in Colloid and Interface Science</i> , 2009, 14, 115-125.	7.4	67
67	Synthesis of Thermosensitive PNIPAM-co-MBAA Nanotubes by Atom Transfer Radical Polymerization within a Porous Membrane. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1552-1556.	3.9	64
68	Polymeric capsule-cushioned leukocyte cell membrane vesicles as a biomimetic delivery platform. <i>Nanoscale</i> , 2016, 8, 3548-3554.	5.6	63
69	Surface Wettability-Directed Propulsion of Glucose-Powered Nanoflask Motors. <i>ACS Nano</i> , 2019, 13, 12758-12766.	14.6	63
70	Dynamic adsorption and characterization of phospholipid and mixed phospholipid/protein layers at liquid/liquid interfaces. <i>Advances in Colloid and Interface Science</i> , 2008, 140, 67-76.	14.7	62
71	Assembly of Nanotubes of Poly(4-vinylpyridine) and Poly(acrylic acid) through Hydrogen Bonding. <i>Chemistry - A European Journal</i> , 2006, 12, 4808-4812.	3.3	59
72	Peptide Mesocrystals as Templates to Create an Au Surface with Stronger Surface-Enhanced Raman Spectroscopic Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3370-3375.	3.3	59

#	ARTICLE	IF	CITATIONS
73	Fabrication of Controlled Thermosensitive Polymer Nanopatterns with One-Pot Polymerization Through Chemical Lithography. <i>Small</i> , 2007, 3, 1860-1865.	10.0	58
74	Microcapsules Containing a Biomolecular Motor for ATP Biosynthesis. <i>Advanced Materials</i> , 2008, 20, 2933-2937.	21.0	58
75	Layer-by-layer assembly of magnetic polypeptide nanotubes as a DNA carrier. <i>Journal of Materials Chemistry</i> , 2008, 18, 748.	6.7	57
76	Near infrared-modulated propulsion of catalytic Janus polymer multilayer capsule motors. <i>Chemical Communications</i> , 2015, 51, 511-514.	4.1	57
77	c-Abl/p38 $\beta$ signaling plays an important role in MPTP-induced neuronal death. <i>Cell Death and Differentiation</i> , 2016, 23, 542-552.	11.2	57
78	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. <i>Nanoscale</i> , 2015, 7, 19092-19098.	5.6	56
79	Self-thermophoretic motion of controlled assembled micro-/nanomotors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23606-23613.	2.8	55
80	Reconfigurable Assembly of Active Liquid Metal Colloidal Cluster. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19884-19888.	13.8	55
81	Hierarchical gold/copolymer nanostructures as hydrophobic nanotanks for drug encapsulation. <i>Journal of Materials Chemistry</i> , 2010, 20, 7782.	6.7	53
82	Hydrothermal-Induced Structure Transformation of Polyelectrolyte Multilayers: From Nanotubes to Capsules. <i>Langmuir</i> , 2008, 24, 5508-5513.	3.5	51
83	Proton Gradients Produced by Glucose Oxidase Microcapsules Containing Motor F <sub>0</sub> F <sub>1</sub> -ATPase for Continuous ATP Biosynthesis. <i>Journal of Physical Chemistry B</i> , 2009, 113, 395-399.	2.6	51
84	Light-activated Janus self-assembled capsule micromotors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 92-97.	4.7	49
85	Collective motion and dynamic self-assembly of colloid motors. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 35, 51-58.	7.4	48
86	A Hole-Transporting Material with Controllable Morphology Containing Binaphthyl and Triphenylamine Chromophores. <i>Advanced Functional Materials</i> , 2006, 16, 1343-1348.	14.9	47
87	Chemotaxis-Guided Hybrid Neutrophil Micromotors for Targeted Drug Transport. <i>Angewandte Chemie</i> , 2017, 129, 13115-13119.	2.0	47
88	Bubble-Pair Propelled Colloidal Kayaker. <i>Journal of the American Chemical Society</i> , 2018, 140, 11902-11905.	13.7	47
89	How Leucocyte Cell Membrane Modified Janus Microcapsules are Phagocytosed by Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4407-4415.	8.0	46
90	Self-Propelled Rolled-Up Polyelectrolyte Multilayer Microrockets. <i>Advanced Functional Materials</i> , 2018, 28, 1705684.	14.9	46

#	ARTICLE	IF	CITATIONS
91	Cell Membraneâ€“Camouflaged Colloid Motors for Biomedical Applications. Advanced Therapeutics, 2018, 1, 1800056.	3.2	46
92	Selective Recognition of Coâ€“assembled Thrombin Aptamer and Docetaxel on Mesoporous Silica Nanoparticles against Tumor Cell Proliferation. Chemistry - A European Journal, 2011, 17, 13170-13174.	3.3	45
93	Programmable Generation and Motion Control of a Snake-like Magnetic Microrobot Swarm. IEEE/ASME Transactions on Mechatronics, 2019, 24, 902-912.	5.8	45
94	Automated Noncontact Micromanipulation Using Magnetic Swimming Microrobots. IEEE Nanotechnology Magazine, 2018, 17, 666-669.	2.0	40
95	Poly(vinyl alcohol) hydrogels integrated with cuprous oxideâ€“tannic acid submicroparticles for enhanced mechanical properties and synergetic antibiofouling. Journal of Colloid and Interface Science, 2019, 535, 491-498.	9.4	38
96	Synthesis of PNIPAM-co-MBAA Copolymer Nanotubes with Composite Control. Langmuir, 2006, 22, 8205-8208.	3.5	36
97	Magnetically Actuated Rolling of Starâ€“Shaped Hydrogel Microswimmer. Macromolecular Chemistry and Physics, 2018, 219, 1700540.	2.2	36
98	Structural Changes of Phospholipid Monolayers Caused by Coupling of Human Serum Albumin:â€“ A GIXD Study at the Air/Water Interface. Journal of Physical Chemistry B, 2004, 108, 14171-14177.	2.6	35
99	Self-assembly and Characterization of Polypyrrole and Polyallylamine Multilayer Films and Hollow Shells. Chemistry of Materials, 2004, 16, 3677-3681.	6.7	34
100	Motionâ€“Based, Highâ€“Yielding, and Fast Separation of Different Charged Organics in Water. ChemPhysChem, 2015, 16, 147-151.	2.1	34
101	Polybenzoxazole Nanofiber-Reinforced Moisture-Responsive Soft Actuators. Scientific Reports, 2017, 7, 769.	3.3	34
102	Magnetically-guided hydrogel capsule motors produced via ultrasound assisted hydrodynamic electrospray ionization jetting. Journal of Colloid and Interface Science, 2019, 541, 407-417.	9.4	34
103	Programmable Dynamic Shapes with a Swarm of Lightâ€“Powered Colloidal Motors. Angewandte Chemie - International Edition, 2021, 60, 16674-16679.	13.8	34
104	Remoteâ€“Controllable Explosive Polymer Multilayer Tubes for Rapid Cancer Cell Killing. Macromolecular Rapid Communications, 2015, 36, 1444-1449.	3.9	33
105	Self-propelled two dimensional polymer multilayer plate micromotors. Physical Chemistry Chemical Physics, 2016, 18, 3397-3401.	2.8	33
106	Cancer Cell Membraneâ€“Camouflaged Micromotor. Advanced Therapeutics, 2019, 2, 1900096.	3.2	33
107	Autonomous Motion of Bubble-Powered Carbonaceous Nanoflask Motors. Langmuir, 2020, 36, 7039-7045.	3.5	33
108	Swimming nanorobots for opening a cell membrane mechanically. View, 2020, 1, 20200005.	5.3	33

#	ARTICLE	IF	CITATIONS
109	Conductive Polypyrrole and Poly(allylamine hydrochloride) Nanotubes Fabricated with Layer-by-Layer Assembly. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1965-1969.	3.9	32
110	Hydrolysis characterization of phospholipid monolayers catalyzed by different phospholipases at the air/water interface. <i>Advances in Colloid and Interface Science</i> , 2007, 131, 91-98.	14.7	32
111	Influence of Polyelectrolyte Multilayer Coating on the Degree and Type of Biofouling in Freshwater Environment. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4341-4350.	0.9	30
112	Forecastable and Guidable Bubble-Propelled Microplate Motors for Cell Transport. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600795.	3.9	29
113	Light-Activated Active Colloid Ribbons. <i>Angewandte Chemie</i> , 2017, 129, 13702-13705.	2.0	29
114	Near-infrared light propelled motion of needlelike liquid metal nanoswimmers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125865.	4.7	29
115	Janus-micromotor-based on/off luminescence sensor for active TNT detection. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1324-1331.	2.8	28
116	Self-Propelled Nanomotors for Thermomechanically Percolating Cell Membranes. <i>Angewandte Chemie</i> , 2018, 130, 12643-12647.	2.0	27
117	Catalytic Polymer Multilayer Shell Motors for Separation of Organics. <i>Chemistry - A European Journal</i> , 2016, 22, 1587-1591.	3.3	26
118	Recent progress on motion control of swimming micro/nanorobots. <i>View</i> , 2021, 2, 20200113.	5.3	25
119	Hydrolysis Reaction Analysis of 1,3-Distearoylphosphatidylcholine Monolayer Catalyzed by Phospholipase A2 with Polarization-Modulated Infrared Reflection Absorption Spectroscopy. <i>Langmuir</i> , 2005, 21, 1051-1054.	3.5	23
120	Synthesis and <i>in vitro</i> Behavior of Multivalent Cationic Lipopeptide for DNA Delivery and Release in HeLa Cells. <i>Bioconjugate Chemistry</i> , 2007, 18, 1735-1738.	3.6	23
121	Layer-by-Layer Assembled Nanotubes as Biomimetic Nanoreactors for Calcium Carbonate Deposition. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1538-1542.	3.9	23
122	Assembled capsules transportation driven by motor proteins. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 175-178.	2.1	23
123	Poly(p-phenylene benzobisoxazole) nanofiber/reduced graphene oxide composite aerogels toward high-efficiency solar steam generation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125997.	4.7	23
124	A Light-Activated Explosive Micropropeller. <i>Scientific Reports</i> , 2017, 7, 4621.	3.3	22
125	Adenosine Triphosphate Biosynthesis Catalyzed by F <sub>o</sub> F <sub>1</sub> ATP Synthase Assembled in Polymer Microcapsules. <i>Angewandte Chemie</i> , 2007, 119, 7126-7130.	2.0	21
126	Micro-contact printing of PEM thin films: effect of line tension and surface energies. <i>RSC Advances</i> , 2015, 5, 51891-51899.	3.6	21



#	ARTICLE	IF	CITATIONS
127	Laser-induced fast fusion of gold nanoparticle-modified polyelectrolyte microcapsules. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3281-3286.	2.8	21
128	Fabrication of Polyethyleneimine and Poly(styrene- <i>co</i> -maleic anhydride) Nanotubes Through Covalent Bond. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2072-2076.	0.9	20
129	Novel controllable auxetic effect of linearly elongated supported polyelectrolyte multilayers with amorphous structure. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 483-488.	2.8	20
130	Guidable GNR-Fe <sub>3</sub> O <sub>4</sub> -PEM@SiO <sub>2</sub> composite particles containing near infrared active nanocalorifiers for laser assisted tissue welding. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 73-81.	4.7	20
131	Direct Observations of the Cleavage Reaction of an L-DPPC Monolayer Catalyzed by Phospholipase A2 and Inhibited by an Indole Inhibitor at the Air/Water Interface. <i>ChemBioChem</i> , 2003, 4, 299-305.	2.6	19
132	Dynamic and morphological investigation of phospholipid monolayer hydrolysis by phospholipase C. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 541-545.	2.1	19
133	Polyelectrolyte multilayer-cushioned fluid lipid bilayers: a parachute model. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2008-2016.	2.8	19
134	Hydrodynamic electrospray ionization jetting of calcium alginate particles: effect of spray-mode, spraying distance and concentration. <i>RSC Advances</i> , 2018, 8, 24243-24249.	3.6	19
135	Macroscale Chemotaxis from a Swarm of Bacteria Mimicking Nanoswimmers. <i>Angewandte Chemie</i> , 2019, 131, 12328-12333.	2.0	19
136	Torque-Driven Orientation Motion of Chemotactic Colloidal Motors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202116013.	13.8	19
137	Effect of Linear Elongation on Carbon Nanotube and Polyelectrolyte Structures in PDMS-Supported Nanocomposite LbL Films. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12257-12262.	2.6	18
138	Photo-crosslinked natural polyelectrolyte multilayer capsules for drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 315-323.	4.7	18
139	Liquid Metal Swimming Nanorobots. <i>Accounts of Materials Research</i> , 2022, 3, 122-132.	11.7	18
140	Direct Visualization of the Dynamic Hydrolysis Process of an L-DPPC Monolayer Catalyzed by Phospholipase D at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 473-476.	2.6	17
141	Orientation change of polyelectrolytes in linearly elongated polyelectrolyte multilayer measured by polarized UV spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 366-373.	4.7	17
142	The collision phenomena of Janus polymer micro-plate motors propelled by oscillating micro-bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 113-121.	4.7	17
143	Thermoresponsive Polymer Brush Modulation on the Direction of Motion of Phoretically Driven Janus Micromotors. <i>Angewandte Chemie</i> , 2019, 131, 4228-4232.	2.0	16
144	Continuously Variable Regulation of the Speed of Bubble-Propelled Janus Microcapsule Motors Based on Salt-Responsive Polyelectrolyte Brushes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2450-2455.	3.3	16

#	ARTICLE	IF	CITATIONS
145	Magnetically-propelled hydrogel particle motors produced by ultrasound assisted hydrodynamic electrospray ionization jetting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 44-55.	5.0	16
146	Biointerfacing luminescent nanotubes. <i>Soft Matter</i> , 2009, 5, 300-303.	2.7	15
147	Poly(p-phenylenebenzobisoxazole) nanofiber layered composite films with high thermomechanical performance. <i>European Polymer Journal</i> , 2016, 84, 622-630.	5.4	15
148	The hierarchical structure and mechanical performance of a natural nanocomposite material: The turtle shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 97-104.	4.7	15
149	Noncontinuous Superdiffusive Dynamics of a Light-Activated Nanobottle Motor. <i>Angewandte Chemie</i> , 2018, 130, 6954-6958.	2.0	15
150	Direct measurement of thermophoretic and photophoretic force acting on hot micromotors with optical tweezers. <i>Applied Surface Science</i> , 2021, 549, 149319.	6.1	14
151	Reconfigurable assembly of colloidal motors towards interactive soft materials and systems. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 43-56.	9.4	14
152	Upconversion-nanoparticle-functionalized Janus micromotors for efficient detection of uric acid. <i>Journal of Materials Chemistry B</i> , 2022, 10, 358-363.	5.8	14
153	Human serum albumin supported lipid patterns for the targeted recognition of microspheres coated by membrane based on ss-DNA hybridization. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 920-924.	2.1	13
154	Enhanced Dispersivity of Gold Nanoparticles Modified by $\gamma$ -Carboxyl Alkanethiols Under the Impact of Poly(ethylene glycol)s. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3089-3094.	0.9	13
155	Effects of La-doping on charge separation behavior of ZnO:GaN for its enhanced photocatalytic performance. <i>Catalysis Science and Technology</i> , 2016, 6, 1033-1041.	4.1	13
156	Reconfigurable Assembly of Active Liquid Metal Colloidal Cluster. <i>Angewandte Chemie</i> , 2020, 132, 20056-20060.	2.0	13
157	Microcontact printing of polyelectrolyte multilayer thin films: Glass-“viscous flow transition based effects and hydration methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 271-278.	4.7	12
158	An Automated Device for Layer-by-Layer Coating of Dispersed Superparamagnetic Nanoparticle Templates. <i>Colloid Journal</i> , 2018, 80, 648-659.	1.3	12
159	A Bubble-Dragged Catalytic Polymer Microrocket. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2460-2464.	3.3	12
160	Fabrication of Mesoporous Titanium Oxide Nanotubes Based on Layer-by-Layer Assembly. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2534-2537.	0.9	11
161	Interfacial Dispersion of Poly( $\epsilon$ -N-isopropylacrylamide)/Gold Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 2052-2056.	0.9	11
162	$\alpha$ -ZrO <sub>2</sub> Aerogels. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800229.	3.6	11

#	ARTICLE	IF	CITATIONS
163	Liquid Metal Gallium Micromachines Speed Up in Confining Channels. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900064.	6.1	11
164	Propulsion Mechanisms of Light-Driven Plasmonic Colloidal Micromotors. <i>Advanced Photonics Research</i> , 2022, 3, 2100189.	3.6	10
165	Self-Assembled Molecular Pattern by Chemical Lithography and Interfacial Chemical Reactions. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1838-1841.	0.9	9
166	Glycolipid patterns supported by human serum albumin for E. coli recognition. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 424-428.	2.1	9
167	Acoustically-Propelled Rodlike Liquid Metal Colloidal Motors. <i>ChemNanoMat</i> , 2021, 7, 1025-1029.	2.8	9
168	Effect of Linear Elongation of PDMS-Supported Polyelectrolyte Multilayer Determined by Attenuated Total Reflectance IR Radiation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2918-2925.	2.6	8
169	Elastic to Plastic Deformation in Uniaxially Stressed Polyelectrolyte Multilayer Films. <i>Langmuir</i> , 2018, 34, 11933-11942.	3.5	8
170	A case treated with Crizotinib after secondary MET amplification of A double Rare L747S and G719S EGFR mutation Pulmonary Sarcomatoid Carcinoma. <i>Annals of Oncology</i> , 2020, 31, 544-546.	1.2	8
171	Structure and Thermodynamics of Polyelectrolyte Complexes. <i>Engineering Materials</i> , 2014, , 19-86.	0.6	8
172	Self-Organization of an L-Ether-amide Phospholipid in Large Two-Dimensional Chiral Crystals. <i>ChemPhysChem</i> , 2003, 4, 1355-1358.	2.1	7
173	Comparative investigation of structure characteristics of mixed $\beta$ -lactoglobulin and different chain-length phosphatidylcholine monolayer at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 127-131.	4.7	7
174	Acoustophoretic Motion of Erythrocyte-Mimicking Hemoglobin Micromotors. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1589-1594.	4.9	7
175	Programmable Dynamic Shapes with a Swarm of Light-Powered Colloidal Motors. <i>Angewandte Chemie</i> , 2021, 133, 16810-16815.	2.0	7
176	Rational Design of Polymer Conical Nanoswimmers with Upstream Motility. <i>ACS Nano</i> , 2022, 16, 9317-9328.	14.6	7
177	Nanorods assembly of polystyrene under theta condition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 275, 218-220.	4.7	6
178	Formation Mechanism and Properties of Polyelectrolyte Multilayer-Supported Lipid Bilayers: A Coarse-Grained Molecular Dynamics Study. <i>ACS Omega</i> , 2017, 2, 910-917.	3.5	5
179	Asymmetric colloidal motors: from dissymmetric nanoarchitectural fabrication to efficient propulsion strategy. <i>Nanoscale</i> , 2022, 14, 7444-7459.	5.6	5
180	Catalytic behavior of a silica-supported polystannazane-copper complex for the oxidation of methanol to formaldehyde at mild reaction conditions. <i>Macromolecular Rapid Communications</i> , 1995, 16, 15-18.	3.9	4

#	ARTICLE	IF	CITATIONS
181	Synthesis of GaN:ZnO solid solution photocatalysts with hollow polyhedral morphology through a molten-salt-assisted nitridation method. Materials Letters, 2014, 128, 319-321.	2.6	4
182	Bubble-Propelled Janus Gallium/Zinc Micromotors for the Active Treatment of Bacterial Infections. Angewandte Chemie, 2021, 133, 8832-8836.	2.0	4
183	Bioinspired Platform Conjugated Active Drug Delivery. Current Drug Targets, 2018, 19, 328-338.	2.1	3
184	Polymer-Based Swimming Nanorobots Driven by Chemical Fuels. , 2022, , 369-388.		3
185	Torque-Driven Orientation Motion of Chemotactic Colloidal Motors. Angewandte Chemie, 2022, 134, .	2.0	3
186	Biosafety evaluation of dual-responsive neutrobots. Journal of Materials Chemistry B, 2022, 10, 7556-7562.	5.8	3
187	Fabrication of Polystyrene/Gold Nanotubes and Nanostructure-Controlled Growth of Aluminate. Journal of Nanoscience and Nanotechnology, 2007, 7, 2361-2365.	0.9	2
188	Self-Propulsion: Superfast Near-Infrared Light-Driven Polymer Multilayer Rockets (Small 5/2016). Small, 2016, 12, 550-550.	10.0	2
189	Controlled molecular assembly of self-propelled colloid motors and their biomedical applications. Scientia Sinica Chimica, 2017, 47, 3-13.	0.4	2
190	Oxidation of Methanol Catalyzed by Silica-supported Polystannazane - Copper Complex. Polymers for Advanced Technologies, 1996, 7, 73-75.	3.2	0
191	Controlled Molecular Assembly Toward Self-propelled Micro-/Nanomotors. , 2017, , 259-281.		0
192	Nanoporous Template Synthesized Nanotubes for Bio-related Applications. Advanced Topics in Science and Technology in China, 2010, , 165-200.	0.1	0