Jianguo Guan

List of Publications by Citations

213 papers	8,942 citations	55 h-index	86 g-index
222 ext. papers	10,229 ext. citations	6.9 avg, IF	6.47 L-index

#	Paper	IF	Citations
213	Refractory plasmonics with titanium nitride: broadband metamaterial absorber. *Advanced Materials*, **2014**, 26, 7959-65	24	432
212	Light-driven micro/nanomotors: from fundamentals to applications. *Chemical Society Reviews*, **2017**, 46, 6905-6926	58.5	322
211	Autonomous motion and temperature-controlled drug delivery of Mg/Pt-poly(N-isopropylacrylamide) Janus micromotors driven by simulated body fluid and blood plasma. *ACS Applied Materials & Interfaces*, **2014**, 6, 9897-903	9.5	221
210	Light-Steered Isotropic Semiconductor Micromotors. *Advanced Materials*, **2017**, 29, 1603374	24	191
209	Self-propelled micromotors driven by the magnesium-water reaction and their hemolytic properties. *Angewandte Chemie - International Edition*, **2013**, 52, 7208-12	16.4	188
208	Micro-/Nanorobots at Work in Active Drug Delivery. *Advanced Functional Materials*, **2018**, 28, 1706100	15.6	182
207	Synthesis and characterization of nanosized urchin-like □Fe2O3 and Fe3O4: Microwave electromagnetic and absorbing properties. *Journal of Alloys and Compounds*, **2011**, 509, 4320-4326	5.7	168
206	Low-Cost Carbothermal Reduction Preparation of Monodisperse FeO/C Core-Shell Nanosheets for Improved Microwave Absorption. *ACS Applied Materials & Interfaces*, **2018**, 10, 16511-16520	9.5	165
205	Preparation of hollow spheres with controllable interior structures by heterogeneous contraction. *Chemical Communications*, **2010**, 46, 6605-7	5.8	162
204	Rambutan-like Ni/MWCNT heterostructures: Easy synthesis, formation mechanism, and controlled static magnetic and microwave electromagnetic characteristics. *Journal of Materials Chemistry A*, **2014**, 2, 7373	13	151
203	Light-controlled propulsion, aggregation and separation of water-fuelled TiO2/Pt Janus submicromotors and their "on-the-fly" photocatalytic activities. *Nanoscale*, **2016**, 8, 4976-83	7.7	136
202	Single-Component TiO2 Tubular Microengines with Motion Controlled by Light-Induced Bubbles. *Small*, **2015**, 11, 2564-70	11	131
201	Enhanced electromagnetic characteristics of carbon nanotubes/carbonyl iron powders complex absorbers in 2□18GHz ranges. *Journal of Alloys and Compounds*, **2011**, 509, 451-456	5.7	125
200	Fiberlike Fe2O3 Macroporous Nanomaterials Fabricated by Calcinating Regenerate Cellulose Composite Fibers. *Chemistry of Materials*, **2008**, 20, 3623-3628	9.6	125
199	Solvent-mediated synthesis of magnetic Fe2O3 chestnut-like amorphous-core/□phase-shell hierarchical nanostructures with strong As(V) removal capability. *Journal of Materials Chemistry*, **2011**, 21, 5414		121
198	Ion sensitive field effect transducer-based biosensors. *Biotechnology Advances*, **2003**, 21, 527-34	17.8	120
197	Magnetically Modulated Pot-Like MnFe2O4 Micromotors: Nanoparticle Assembly Fabrication and their Capability for Direct Oil Removal. *Advanced Functional Materials*, **2015**, 25, 6173-6181	15.6	116

196	Tunable dielectric properties and excellent microwave absorbing properties of elliptical Fe3O4 nanorings. *Applied Physics Letters*, **2016**, 108, 072905	3.4	109
195	Broadband patterned magnetic microwave absorber. *Journal of Applied Physics*, **2014**, 116, 044110	2.5	108
194	Polymorphous ZnO complex architectures: selective synthesis, mechanism, surface area and Zn-polar plane-codetermining antibacterial activity. *Journal of Materials Chemistry B*, **2013**, 1, 454-463	7.3	102
193	Synthesis, growth mechanism and optical properties of (K,Na)NbO3 nanostructures. *CrystEngComm* , **2010**, 12, 3157	3.3	102
192	Broadening the absorption bandwidth of metamaterial absorbers by transverse magnetic harmonics of 210 mode. *Scientific Reports*, **2016**, 6, 21431	4.9	101
191	Facile Preparation of Dibenzoheterocycle-Functional Nanoporous Polymeric Networks with High Gas Uptake Capacities. *Macromolecules*, **2014**, 47, 2875-2882	5.5	99
190	Magnesium-Based Micromotors: Water-Powered Propulsion, Multifunctionality, and Biomedical and Environmental Applications. *Small*, **2018**, 14, e1704252	11	97
189	Liquid acid-catalysed fabrication of nanoporous 1,3,5-triazine frameworks with efficient and selective CO2 uptake. *Polymer Chemistry*, **2014**, 5, 3424	4.9	96
188	Magnetic iron oxide chestnutlike hierarchical nanostructures: preparation and their excellent arsenic removal capabilities. *ACS Applied Materials & Interfaces*, **2012**, 4, 3987-93	9.5	96
187	Fast and highly-sensitive hydrogen sensing of Nb2O5 nanowires at room temperature. *International Journal of Hydrogen Energy*, **2012**, 37, 4526-4532	6.7	96
186	Flaky carbonyl iron particles with both small grain size and low internal strain for broadband microwave absorption. *Journal of Alloys and Compounds*, **2015**, 637, 106-111	5.7	95
185	One-pot low temperature solution synthesis, magnetic and microwave electromagnetic properties of single-crystal iron submicron cubes. *Journal of Materials Chemistry*, **2010**, 20, 1676		91
184	Steric-repulsion-based magnetically responsive photonic crystals. *Advanced Materials*, **2014**, 26, 1058-64	24	90
183	Transient Micromotors That Disappear When No Longer Needed. *ACS Nano*, **2016**, 10, 10389-10396	16.7	87
182	Optically Transparent Broadband Microwave Absorption Metamaterial By Standing-Up Closed-Ring Resonators. *Advanced Optical Materials*, **2017**, 5, 1700109	8.1	84
181	Facile preparation, formation mechanism and microwave absorption properties of porous carbonyl iron flakes. *Journal of Materials Chemistry C*, **2014**, 2, 3769-3776	7.1	81
180	Oriented contraction: a facile nonequilibrium heat-treatment approach for fabrication of maghemite fiber-in-tube and tube-in-tube nanostructures. *Langmuir*, **2010**, 26, 15580-5	4	81
179	Fuel-Free Light-Powered TiO/Pt Janus Micromotors for Enhanced Nitroaromatic Explosives Degradation. *ACS Applied Materials & Interfaces*, **2018**, 10, 22427-22434	9.5	79

178	Facile Synthesis and Growth Mechanism of Flowerlike NiFe Alloy Nanostructures. *Journal of Physical Chemistry C*, **2010**, 114, 13565-13570	3.8	79
177	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. *Advanced Biology*, **2018**, 2, 1700160	3.5	76
176	Facile Carbonization of Microporous Organic Polymers into Hierarchically Porous Carbons Targeted for Effective CO2 Uptake at Low Pressures. *ACS Applied Materials & Interfaces*, **2016**, 8, 18383-92	9.5	75
175	Integrating non-planar metamaterials with magnetic absorbing materials to yield ultra-broadband microwave hybrid absorbers. *Applied Physics Letters*, **2014**, 104, 022903	3.4	75
174	Facile preparation of magnetic Fe/TiO Janus hollow bowls with efficient visible-light photocatalytic activities by asymmetric shrinkage. *Nanoscale*, **2012**, 4, 4650-7	7.7	72
173	Intelligent Micro/nanomotors with Taxis. *Accounts of Chemical Research*, **2018**, 51, 3006-3014	24.3	72
172	In situ generated dense shell-engaged Ostwald ripening: A facile controlled-preparation for BaFe12O19 hierarchical hollow fiber arrays. *Journal of Solid State Chemistry*, **2010**, 183, 736-743	3.3	70
171	In Situ Generated H2 Bubble-Engaged Assembly: A One-Step Approach for Shape-Controlled Growth of Fe Nanostructures. *Chemistry of Materials*, **2008**, 20, 3535-3539	9.6	67
170	Nickel flower-like nanostructures composed of nanoplates: one-pot synthesis, stepwise growth mechanism and enhanced ferromagnetic properties. *CrystEngComm*, **2011**, 13, 2636	3.3	66
169	Swarming and collective migration of micromotors under near infrared light. *Applied Materials Today*, **2018**, 13, 45-53	6.6	64
168	Morphology evolution, magnetic and microwave absorption properties of nano/submicrometre iron particles obtained at different reduced temperatures. *Journal Physics D: Applied Physics*, **2009**, 42, 075006	3	64
167	Control of porosity of novel carbazole-modified polytriazine frameworks for highly selective separation of CO2N2. *Journal of Materials Chemistry A*, **2014**, 2, 7795-7801	13	63
166	Facile preparation and size-dependent photocatalytic activity of Cu2O nanocrystals modified titania for hydrogen evolution. *International Journal of Hydrogen Energy*, **2013**, 38, 816-822	6.7	62
165	Light-controlled bubble propulsion of amorphous TiO2/Au Janus micromotors. *RSC Advances*, **2016**, 6, 10697-10703	3.7	61
164	Ferrite-based metamaterial microwave absorber with absorption frequency magnetically tunable in a wide range. *Materials and Design*, **2016**, 110, 27-34	8.1	61
163	Phototactic Flocking of Photochemical Micromotors. *IScience*, **2019**, 19, 415-424	6.1	59
162	Ultra-wideband microwave absorber by connecting multiple absorption bands of two different-sized hyperbolic metamaterial waveguide arrays. *Scientific Reports*, **2015**, 5, 15367	4.9	59
161	Hierarchical nanostructures of fluorinated and naked Ta2O5 single crystalline nanorods: hydrothermal preparation, formation mechanism and photocatalytic activity for H2 production. *Chemical Communications*, **2012**, 48, 7301-3	5.8	58

160	In situ generated gas bubble-assisted modulation of the morphologies, photocatalytic, and magnetic properties of ferric oxide nanostructures synthesized by thermal decomposition of iron nitrate. *Journal of Nanoparticle Research*, **2010**, 12, 3025-3037	2.3	56
159	Goethite hierarchical nanostructures: Glucose-assisted synthesis, chemical conversion into hematite with excellent photocatalytic properties. *Materials Chemistry and Physics*, **2011**, 127, 371-378	4.4	55
158	Free-standing, flexible thermochromic films based on one-dimensional magnetic photonic crystals. *Journal of Materials Chemistry C*, **2015**, 3, 2848-2855	7.1	54
157	Structure and magnetic properties of regenerated cellulose/Fe3O4 nanocomposite films. *Journal of Applied Polymer Science*, **2009**, 111, 2477-2484	2.9	53
156	Micro- and nanorobots based sensing and biosensing. *Current Opinion in Electrochemistry*, **2018**, 10, 174-182	7.2	53
155	Micromotor-Assisted Human Serum Glucose Biosensing. *Analytical Chemistry*, **2019**, 91, 5660-5666	7.8	52
154	A near-perfect invisibility cloak constructed with homogeneous materials. *Optics Express*, **2009**, 17, 23410-6	3.5	51
153	Synchronous etching-epitaxial growth fabrication of facet-coupling NaTaO3/Ta2O5 heterostructured nanofibers for enhanced photocatalytic hydrogen production. *Applied Catalysis B: Environmental*, **2016**, 184, 309-319	21.8	50
152	Responsive Hydrogel-based Photonic Nanochains for Microenvironment Sensing and Imaging in Real Time and High Resolution. *Nano Letters*, **2020**, 20, 803-811	11.5	50
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150	Influence of heat treatment conditions on the structure and magnetic properties of barium ferrite BaFe12O19 hollow microspheres of low density. *Materials Chemistry and Physics*, **2006**, 98, 90-94	4.4	49
149	Preparation of crystallized mesoporous CdS/Ta2O5 composite assisted by silica reinforcement for visible light photocatalytic hydrogen evolution. *Catalysis Communications*, **2012**, 25, 54-58	3.2	48
148	Photocatalytic Micromotors Activated by UV to Visible Light for Environmental Remediation, Micropumps, Reversible Assembly, Transportation, and Biomimicry. *Small*, **2020**, 16, e1903179	11	48
147	Polymorphous Fe/FexOy composites: One-step oxidation preparation, composition control, and static magnetic and electromagnetic characteristics. *Materials Chemistry and Physics*, **2011**, 129, 1189-1194	4.4	47
146	Generalized green synthesis and formation mechanism of sponge-like ferrite micro-polyhedra with tunable structure and composition. *Nanoscale*, **2014**, 6, 778-87	7.7	46
145	Coupling of light from an optical fiber taper into silver nanowires. *Applied Physics Letters*, **2009**, 95, 221109	3.4	46
144	Chemical/Light-Powered Hybrid Micromotors with "On-the-Fly" Optical Brakes. *Angewandte Chemie - International Edition*, **2018**, 57, 8110-8114	16.4	45
143	Preparation of heterostructured mesoporous In2O3/Ta2O5 nanocomposites with enhanced photocatalytic activity for hydrogen evolution. *Catalysis Communications*, **2011**, 12, 548-552	3.2	45

142	Dynamic Colloidal Molecules Maneuvered by Light-Controlled Janus Micromotors. *ACS Applied Materials & Interfaces*, **2017**, 9, 22704-22712	9.5	44
141	Enhanced Interfacial Charge Transfer and Visible Photocatalytic Activity for Hydrogen Evolution from a Ta2O5-based Mesoporous Composite by the Incorporation of Quantum-Sized CdS. *ChemCatChem*, **2012**, 4, 1353-1359	5.2	44
140	Self-Propelled Micromotors Driven by the Magnesium–Water Reaction and Their Hemolytic Properties. *Angewandte Chemie*, **2013**, 125, 7349-7353	3.6	44
139	Morphology dependence of static magnetic and microwave electromagnetic characteristics of polymorphic Fe3O4 nanomaterials. *Journal of Materials Research*, **2011**, 26, 1639-1645	2.5	43
138	Low-Temperature Synthesis, Magnetic and Microwave Electromagnetic Properties of Substoichiometric Spinel Cobalt Ferrite Octahedra. *European Journal of Inorganic Chemistry*, **2010**, 2010, 419-426	2.3	42
137	Flaky core-shell particles of iron@iron oxides for broadband microwave absorbers in S and C bands. *Journal of Alloys and Compounds*, **2017**, 709, 735-741	5.7	41
136	Microwave dielectric properties of Li2TiO3 ceramics sintered at low temperatures. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 99-102	3.1	41
135	Prussian blue modified amperometric FIA biosensor: one-step immunoassay for alpha-fetoprotein. *Biosensors and Bioelectronics*, **2004**, 19, 789-94	11.8	41
134	Synthesis and Alignment of Iron Oxide Nanoparticles in a Regenerated Cellulose Film. *Macromolecular Rapid Communications*, **2006**, 27, 2084-2089	4.8	40
133	Bioinspired Chemical Communication between Synthetic Nanomotors. *Angewandte Chemie - International Edition*, **2018**, 57, 241-245	16.4	39
132	Rotating 1-D magnetic photonic crystal balls with a tunable lattice constant. *Nanoscale*, **2017**, 9, 9548-9555	7.7	36
131	Hierarchical Microswarms with Leader–Follower-Like Structures: Electrohydrodynamic Self-Organization and Multimode Collective Photoresponses. *Advanced Functional Materials*, **2020**, 30, 1908602	15.6	36
130	Self-Propelled Autonomous Mg/Pt Janus Micromotor Interaction with Human Cells. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 1754-1758	5.1	35
129	Active Micromotor Systems Built from Passive Particles with Biomimetic Predator-Prey Interactions. *ACS Nano*, **2020**, 14, 406-414	16.7	35
128	Stretchable Transparent Conductors: from Micro/Macromechanics to Applications. *Advanced Materials*, **2019**, 31, e1900756	24	33
127	Well-dispersed mesoporous Ta2O5 submicrospheres: Enhanced photocatalytic activity by tuning heating rate at calcination. *Chemical Engineering Journal*, **2013**, 229, 371-377	14.7	33
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125	Oppositely charged twin-head electrospray: a general strategy for building Janus particles with controlled structures. *Nanoscale*, **2013**, 5, 2055-64	7.7	32

124	Tubular Micro/Nanomotors: Propulsion Mechanisms, Fabrication Techniques and Applications. *Micromachines*, **2018**, 9,	3.3	30
123	Flower-like porous hematite nanoarchitectures achieved by complexation-mediated oxidation-hydrolysis reaction. *Journal of Colloid and Interface Science*, **2011**, 357, 36-45	9.3	30
122	Multifunctional magnetic oleic acid-coated MnFe2O4/polystyrene Janus particles for water treatment. *Journal of Materials Chemistry A*, **2016**, 4, 11768-11774	13	30
121	Complex-Mediated Synthesis of Tantalum Oxyfluoride Hierarchical Nanostructures for Highly Efficient Photocatalytic Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2016**, 8, 9395-404	9.5	30
120	Simple-Structured Micromotors Based on Inherent Asymmetry in Crystalline Phases: Design, Large-Scale Preparation, and Environmental Application. *ACS Applied Materials & Interfaces*, **2019**, 11, 16639-16646	9.5	29
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118	Microfiber SMPU film affords quicker shape recovery than the bulk one. *Materials Letters*, **2011**, 65, 3639-3642	3.3	29
117	Internal strain dependence of complex permeability of ball milled carbonyl iron powders in 2–18 GHz. *Journal of Applied Physics*, **2012**, 111, 093924	2.5	27
116	Chemical/Light-Powered Hybrid Micromotors with "On-the-Fly" Optical Brakes. *Angewandte Chemie*, **2018**, 130, 8242-8246	3.6	26
115	One-Step Synthesis of Cobalt–Phthalocyanine/Iron Nanocomposite Particles with High Magnetic Susceptibility. *Langmuir*, **2002**, 18, 4198-4204	4	26
114	Study on electrorheological properties of semiconducting polyaniline-based suspensions. *Angewandte Makromolekulare Chemie*, **1996**, 235, 21-34		26
113	Easy gas-flow-induced CVD synthesis and tunable electromagnetic characteristics of centipede-shaped iron/cementite/multiwalled carbon nanotube (Fe/Fe3C/MWCNT) heterostructures. *Surface and Coatings Technology*, **2015**, 283, 286-297	4.4	25
112	Facile preparation of graphite particles fully coated with thin Ag shell layers for high performance conducting and electromagnetic shielding composite materials. *Journal of Materials Chemistry C*, **2016**, 4, 2566-2578	7.1	25
111	Self-Propelled 3D-Printed "Aircraft Carrier" of Light-Powered Smart Micromachines for Large-Volume Nitroaromatic Explosives Removal. *Advanced Functional Materials*, **2019**, 29, 1903872	15.6	25
110	Single-crystal star-like arrayed particles of hematite: Synthesis, formation mechanism and magnetic properties. *Journal of Alloys and Compounds*, **2009**, 485, 753-758	5.7	25
109	In situ gas bubble-assisted one-step synthesis of polymorphic Co3O4 nanostructures with improved electrochemical performance for lithium ion batteries. *Journal of Alloys and Compounds*, **2014**, 601, 167-174	5.7	24
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106	Enhanced Propulsion of Urease-Powered Micromotors by Multilayered Assembly of Ureases on Janus Magnetic Microparticles. *Langmuir*, **2020**,	4	22
105	Solution synthesis and novel magnetic properties of ball-chain iron nanofibers. *Journal of Materials Research*, **2011**, 26, 2590-2598	2.5	21
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103	Design, synthesis and in vitro anti-mycobacterial activities of homonuclear and heteronuclear bis-isatin derivatives. *Fitoterapia*, **2018**, 127, 383-386	3.2	19
102	Refractory Metamaterial Microwave Absorber with Strong Absorption Insensitive to Temperature. *Advanced Optical Materials*, **2018**, 6, 1800691	8.1	19
101	Synthesis and electrorheological effect of PAn/BaTiO3 nanocomposite. *Journal of Materials Science*, **2004**, 39, 3457-3460	4.3	19
100	Probing of Antibody/Antigen Reactions at Electropolymerized Polyaniline Immunosensors Using Impedance Spectroscopy. *Analytical Letters*, **2004**, 37, 1053-1062	2.2	19
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98	Broadband radar cross section reduction by in-plane integration of scattering metasurfaces and magnetic absorbing materials. *Results in Physics*, **2019**, 12, 1964-1970	3.7	18
97	Design, Synthesis and In Vitro Anti-microbial Evaluation of Ethylene/ Propylene-1H-1,2,3-Triazole-4-Methylene-tethered Isatin-coumarin Hybrids. *Current Topics in Medicinal Chemistry*, **2017**, 17, 3213-3218	3	18
96	Flexible Guidance of Microengines by Dynamic Topographical Pathways in Ferrofluids. *ACS Nano*, **2018**, 12, 6668-6676	16.7	17
95	Secondary growth of hierarchical nanostructures composed only of Nb3O7F single-crystalline nanorods as a new photocatalyst for hydrogen production. *Journal of Materials Chemistry A*, **2015**, 3, 14686-14695	13	17
94	Self-adaptive enzyme-powered micromotors with switchable propulsion mechanism and motion directionality. *Applied Physics Reviews*, **2021**, 8, 011406	17.3	17
93	Annealing temperature effect on microstructure, magnetic and microwave properties of Fe-based amorphous alloy powders. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 2902-2906	2.8	16
92	F/Bi4TaO8Cl flower-like hierarchical structures: controlled preparation, formation mechanism and visible photocatalytic hydrogen production. *RSC Advances*, **2017**, 7, 121-127	3.7	15
91	Controllable preparation and formation mechanism of monodispersed silica particles with binary sizes. *Journal of Colloid and Interface Science*, **2012**, 388, 40-6	9.3	15
90	Raman scattering, electronic, and ferroelectric properties of Nd modified Bi4Ti3O12 nanotube arrays. *Journal of Applied Physics*, **2010**, 107, 094105	2.5	15
89	ZnO-based micromotors fueled by CO: the first example of self-reorientation-induced biomimetic chemotaxis. *National Science Review*, **2021**, 8, nwab066	10.8	15

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86	Self-Adaptive Magnetic Photonic Nanochain Cilia Arrays. *Advanced Functional Materials*, **2020**, 30, 2005243	13.6	14
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84	Hydrophobic Janus Foam Motors: Self-Propulsion and On-The-Fly Oil Absorption. *Micromachines*, **2018**, 9,	3.3	13
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82	Synthesis and formation mechanism of hematite hollow microspheres by a one-pot templateless surfactant-free hydrothermal process. *Materials Chemistry and Physics*, **2009**, 118, 496-500	4.4	13
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80	Tetraethylene Glycol Tethered Heteronuclear Bis-isatin Derivatives: Design, Synthesis, and In Vitro Anti-mycobacterial Activities. *Journal of Heterocyclic Chemistry*, **2018**, 55, 2172-2177	1.9	12
79	Chromium doped barium titanyl oxalate nano-sandwich particles: A facile synthesis and structure enhanced electrorheological properties. *Materials Chemistry and Physics*, **2010**, 122, 73-78	4.4	12
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76	A dual responsive photonic liquid for independent modulation of color brightness and hue. *Materials Horizons*, **2021**, 8, 2032-2040	14.4	12
75	Bioinspired Chemical Communication between Synthetic Nanomotors. *Angewandte Chemie*, **2018**, 130, 247-251	3.6	12
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72	Microstructure and magnetic properties of non-stoichiometric M-type hexaferrite with barium surplus. *Journal of Magnetism and Magnetic Materials*, **2005**, 295, 21-27	2.8	11
71	Titania-Based Micro/Nanomotors: Design Principles, Biomimetic Collective Behavior, and Applications. *Trends in Chemistry*, **2021**, 3, 387-401	14.8	11

70	Surface Charge-Reversible Tubular Micromotors for Extraction of Nucleic Acids in Microsystems. *Chemistry - an Asian Journal*, **2019**, 14, 2503-2511	4.5	10
69	Facile method to synthesize silver nanoparticles on the surface of hollow glass microspheres and their microwave shielding properties. *RSC Advances*, **2014**, 4, 18645-18651	3.7	10
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67	A general cloak to shift the scattering of different objects. *Journal Physics D: Applied Physics*, **2010**, 43, 245102	3	10
66	Direct synthesis of electrorheological suspension containing salt of poly(methacrylic acid) and its electrorheological effect. *Journal of Applied Polymer Science*, **1995**, 58, 951-956	2.9	10
65	Mg-Based Micromotors with Motion Responsive to Dual Stimuli. *Research*, **2020**, 2020, 6213981	7.8	10
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63	Mechanical properties and curing kinetics of epoxy resins cured by various amino-terminated polyethers. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 961-969	3.5	9
62	Improved electrical properties of Ge metal-oxide-semiconductor capacitor with HfTa-based gate dielectric by using TaOxNy interlayer. *Applied Physics Letters*, **2008**, 92, 262902	3.4	9
61	Electrical properties of HfTiON gate-dielectric metal-oxide-semiconductor capacitors with different Si-surface nitridations. *Applied Physics Letters*, **2007**, 91, 052902	3.4	9
60	Preparation of Nanometer Cobalt Particles by Polyol Reduction Process and Mechanism Research. *Materials Transactions*, **2005**, 46, 1865-1867	1.3	9
59	Single crystalline tantalum oxychloride microcubes: controllable synthesis, formation mechanism and enhanced photocatalytic hydrogen production activity. *Chemical Communications*, **2015**, 51, 12455-8	5.8	8
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54	Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeutic-Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term. *Particle and Particle Systems Characterization*, **2019**, 36, 1800424	3.1	8
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