

Jianguo Guan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Long-range hydrodynamic communication among synthetic self-propelled micromotors. <i>Cell Reports Physical Science</i> , 2022 , 3, 100739	6.1	0
212	Glucose-Sensing Photonic Nanochain Probes with Color Change in Seconds.. <i>Advanced Science</i> , 2022 , e2105239	13.6	5
211	Photochemical micromotor of eccentric core in isotropic hollow shell exhibiting multimodal motion behavior. <i>Applied Materials Today</i> , 2022 , 26, 101371	6.6	1
210	Interface modulation of chiral PPy/Fe ₃ O ₄ planar microhelixes to achieve electric/magnetic-coupling and wide-band microwave absorption. <i>Chemical Engineering Journal</i> , 2022 , 430, 132747	14.7	12
209	Enhanced magnetic permeability and electromagnetic noise suppression by sieved and oriented large flaky sendust particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 543, 168650	2.8	2
208	Phototactic micromotor assemblies in dynamic line formations for wide-range micromanipulations. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5079-5087	7.1	2
207	Lipophilic Magnetic Photonic Nanochains for Practical Anticounterfeiting.. <i>Small</i> , 2022 , e2200662	11	5
206	Heterogeneous Thermochromic Hydrogel Film Based on Photonic Nanochains. <i>Nanomaterials</i> , 2022 , 12, 1867	5.4	
205	Full-color enhanced second harmonic generation using rainbow trapping in ultrathin hyperbolic metamaterials. <i>Nature Communications</i> , 2021 , 12, 6425	17.4	8
204	Self-adaptive enzyme-powered micromotors with switchable propulsion mechanism and motion directionality. <i>Applied Physics Reviews</i> , 2021 , 8, 011406	17.3	17
203	ZnO-based micromotors fueled by CO: the first example of self-reorientation-induced biomimetic chemotaxis. <i>National Science Review</i> , 2021 , 8, nwab066	10.8	15
202	Broadband RCS Reduction by a Quaternionic Metasurface. <i>Materials</i> , 2021 , 14,	3.5	1
201	Titania-Based Micro/Nanomotors: Design Principles, Biomimetic Collective Behavior, and Applications. <i>Trends in Chemistry</i> , 2021 , 3, 387-401	14.8	11
200	Wideband frequency tunable metamaterial absorber by splicing multiple tuning ranges. <i>Results in Physics</i> , 2021 , 20, 103753	3.7	6
199	A dual responsive photonic liquid for independent modulation of color brightness and hue. <i>Materials Horizons</i> , 2021 , 8, 2032-2040	14.4	12
198	Fabrication of highly conducting nickel-coated graphite composite particles with low Ni content for excellent electromagnetic properties. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155142	5.7	4
197	Enhanced Propulsion of Urease-Powered Micromotors by Multilayered Assembly of Ureasases on Janus Magnetic Microparticles. <i>Langmuir</i> , 2020 ,	4	22

196	Hierarchical Microswarms with Leader-Follower-Like Structures: Electrohydrodynamic Self-Organization and Multimode Collective Photoresponses. <i>Advanced Functional Materials</i> , 2020 , 30, 1908602	15.6	36
195	NIR light-steered magnetic liquid marbles with switchable positive/negative phototaxis. <i>Applied Materials Today</i> , 2020 , 19, 100595	6.6	7
194	Enhancement of low-frequency magnetic permeability and absorption by texturing flaky carbonyl iron particles. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153827	5.7	13
193	Mg-Based Micromotors with Motion Responsive to Dual Stimuli. <i>Research</i> , 2020 , 2020, 6213981	7.8	10
192	Active Micromotor Systems Built from Passive Particles with Biomimetic Predator-Prey Interactions. <i>ACS Nano</i> , 2020 , 14, 406-414	16.7	35
191	Inhomogeneous substrate metamaterial absorbers with broadband absorption spanning low and high frequency bands. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 105003	3	4
190	Self-Adaptive Magnetic Photonic Nanochain Cilia Arrays. <i>Advanced Functional Materials</i> , 2020 , 30, 2005243	13.6	14
189	Responsive Hydrogel-based Photonic Nanochains for Microenvironment Sensing and Imaging in Real Time and High Resolution. <i>Nano Letters</i> , 2020 , 20, 803-811	11.5	50
188	Photocatalytic Micromotors Activated by UV to Visible Light for Environmental Remediation, Micropumps, Reversible Assembly, Transportation, and Biomimicry. <i>Small</i> , 2020 , 16, e1903179	11	48
187	Phototactic Flocking of Photochemical Micromotors. <i>iScience</i> , 2019 , 19, 415-424	6.1	59
186	Self-Propelled Autonomous Mg/Pt Janus Micromotor Interaction with Human Cells. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1754-1758	5.1	35
185	Stretchable Transparent Conductors: from Micro/Macromechanics to Applications. <i>Advanced Materials</i> , 2019 , 31, e1900756	24	33
184	Surface Charge-Reversible Tubular Micromotors for Extraction of Nucleic Acids in Microsystems. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2503-2511	4.5	10
183	Controlled Drug Release: Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeutic-Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term (Part. Part. Syst. Charact. 2/2019). <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1970006	3.1	
182	Micromotor-Assisted Human Serum Glucose Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 5660-5666	7.8	52
181	Simple-Structured Micromotors Based on Inherent Asymmetry in Crystalline Phases: Design, Large-Scale Preparation, and Environmental Application. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16639-16646	9.5	29
180	Smart Microdevices Laying "Breadcrumbs" to Find the Way Home: Chemotactic Homing TiO ₂ /Pt Janus Microrobots. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2456-2459	4.5	7
179	Coordination Complex Transformation-Assisted Fabrication for Hollow Chestnut-Like Hierarchical ZnS with Enhanced Photocatalytic Hydrogen Evolution. <i>Nanomaterials</i> , 2019 , 9,	5.4	3

178	Broadband radar cross section reduction by in-plane integration of scattering metasurfaces and magnetic absorbing materials. <i>Results in Physics</i> , 2019 , 12, 1964-1970	3.7	18
177	In situ epitaxial growth of Ag ₃ PO ₄ quantum dots on hematite nanotubes for high photocatalytic activities. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2747-2755	6.8	3
176	Self-Propelled 3D-Printed Aircraft Carrier of Light-Powered Smart Micromachines for Large-Volume Nitroaromatic Explosives Removal. <i>Advanced Functional Materials</i> , 2019 , 29, 1903872	15.6	25
175	Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeutic-Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800424	3.1	8
174	Realizing significant dielectric dispersion of composites based on highly conducting silver-coated glass microspheres for wide-band non-magnetic microwave absorbers. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 528-542	7.1	12
173	Isatin-(thio)semicarbazide/oxime-1H-1,2,3-triazole-coumarin Hybrids: Design, Synthesis, and in vitro Anti-mycobacterial Evaluation. <i>Journal of Heterocyclic Chemistry</i> , 2018 , 55, 1069-1073	1.9	7
172	Magnesium-Based Micromotors: Water-Powered Propulsion, Multifunctionality, and Biomedical and Environmental Applications. <i>Small</i> , 2018 , 14, e1704252	11	97
171	Low-Cost Carbothermal Reduction Preparation of Monodisperse FeO/C Core-Shell Nanosheets for Improved Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16511-16520	9.5	165
170	Design, synthesis and in vitro anti-mycobacterial activities of homonuclear and heteronuclear bis-isatin derivatives. <i>Phototherapy</i> , 2018 , 127, 383-386	3.2	19
169	Facile morphology-controlled synthesis of nickel-coated graphite core-shell particles for excellent conducting performance of polymer-matrix composites and enhanced catalytic reduction of 4-nitrophenol. <i>Nanotechnology</i> , 2018 , 29, 145602	3.4	7
168	Eccentric 1-D magnetic core-shell photonic crystal balls: ingenious fabrication and distinctive optical properties. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4531-4540	7.1	7
167	Design, Synthesis, and In Vitro Anti-mycobacterial Activities of Propylene-Tethered Gatifloxacin-Isatin Hybrids. <i>Journal of Heterocyclic Chemistry</i> , 2018 , 55, 1991-1996	1.9	5
166	Hydrophobic Janus Foam Motors: Self-Propulsion and On-The-Fly Oil Absorption. <i>Micromachines</i> , 2018 , 9,	3.3	13
165	Tubular Micro/Nanomotors: Propulsion Mechanisms, Fabrication Techniques and Applications. <i>Micromachines</i> , 2018 , 9,	3.3	30
164	Light-Controlled Swarming and Assembly of Colloidal Particles. <i>Micromachines</i> , 2018 , 9,	3.3	29
163	Chemical/Light-Powered Hybrid Micromotors with "On-the-Fly" Optical Brakes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8110-8114	16.4	45
162	Chemical/Light-Powered Hybrid Micromotors with On-the-Fly Optical Brakes. <i>Angewandte Chemie</i> , 2018 , 130, 8242-8246	3.6	26
161	Effect of solvents and reaction parameters on the morphology of Ta ₂ O ₅ and photocatalytic activity. <i>Journal of Molecular Liquids</i> , 2018 , 269, 211-216	6	6

160	Swarming and collective migration of micromotors under near infrared light. <i>Applied Materials Today</i> , 2018 , 13, 45-53	6.6	64
159	Refractory Metamaterial Microwave Absorber with Strong Absorption Insensitive to Temperature. <i>Advanced Optical Materials</i> , 2018 , 6, 1800691	8.1	19
158	Tetraethylene Glycol Tethered Heteronuclear Bis-isatin Derivatives: Design, Synthesis, and In Vitro Anti-mycobacterial Activities. <i>Journal of Heterocyclic Chemistry</i> , 2018 , 55, 2172-2177	1.9	12
157	Flexible Guidance of Microengines by Dynamic Topographical Pathways in Ferrofluids. <i>ACS Nano</i> , 2018 , 12, 6668-6676	16.7	17
156	Fuel-Free Light-Powered TiO/Pt Janus Micromotors for Enhanced Nitroaromatic Explosives Degradation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22427-22434	9.5	79
155	Bioinspired Chemical Communication between Synthetic Nanomotors. <i>Angewandte Chemie</i> , 2018 , 130, 247-251	3.6	12
154	Bioinspired Chemical Communication between Synthetic Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 241-245	16.4	39
153	Intelligent Micro/nanomotors with Taxis. <i>Accounts of Chemical Research</i> , 2018 , 51, 3006-3014	24.3	72
152	Micro-/Nanorobots at Work in Active Drug Delivery. <i>Advanced Functional Materials</i> , 2018 , 28, 1706100	15.6	182
151	Micro- and nanorobots based sensing and biosensing. <i>Current Opinion in Electrochemistry</i> , 2018 , 10, 174-182	1.82	53
150	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. <i>Advanced Biology</i> , 2018 , 2, 1700160	3.5	76
149	Semiconductors: Light-Steered Isotropic Semiconductor Micromotors (Adv. Mater. 3/2017). <i>Advanced Materials</i> , 2017 , 29,	24	2
148	Photonic nanorods with magnetic responsiveness regulated by lattice defects. <i>Nanoscale</i> , 2017 , 9, 3105-3113	3.13	19
147	Optically Transparent Broadband Microwave Absorption Metamaterial By Standing-Up Closed-Ring Resonators. <i>Advanced Optical Materials</i> , 2017 , 5, 1700109	8.1	84
146	Dynamic Colloidal Molecules Maneuvered by Light-Controlled Janus Micromotors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22704-22712	9.5	44
145	Rotating 1-D magnetic photonic crystal balls with a tunable lattice constant. <i>Nanoscale</i> , 2017 , 9, 9548-9555	5.5	36
144	Flaky core-shell particles of iron@iron oxides for broadband microwave absorbers in S and C bands. <i>Journal of Alloys and Compounds</i> , 2017 , 709, 735-741	5.7	41
143	FBi4TaO8Cl flower-like hierarchical structures: controlled preparation, formation mechanism and visible photocatalytic hydrogen production. <i>RSC Advances</i> , 2017 , 7, 121-127	3.7	15

142	Ultralow content silver densely-coated glass microsphere for high performance conducting polymer-matrix composites. <i>Composites Science and Technology</i> , 2017 , 140, 89-98	8.6	18
141	Light-driven micro/nanomotors: from fundamentals to applications. <i>Chemical Society Reviews</i> , 2017 , 46, 6905-6926	58.5	322
140	Light-Steered Isotropic Semiconductor Micromotors. <i>Advanced Materials</i> , 2017 , 29, 1603374	24	191
139	Design strategies and structure simplification methods of self-propelled micro-/nanomotors. <i>Chinese Science Bulletin</i> , 2017 , 62, 107-121	2.9	3
138	Design, Synthesis and In Vitro Anti-microbial Evaluation of Ethylene/Propylene-1H-1,2,3-Triazole-4-Methylene-tethered Isatin-coumarin Hybrids. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 3213-3218	3	18
137	Broadening the absorption bandwidth of metamaterial absorbers by transverse magnetic harmonics of 210 mode. <i>Scientific Reports</i> , 2016 , 6, 21431	4.9	101
136	Transient Micromotors That Disappear When No Longer Needed. <i>ACS Nano</i> , 2016 , 10, 10389-10396	16.7	87
135	Facile Carbonization of Microporous Organic Polymers into Hierarchically Porous Carbons Targeted for Effective CO ₂ Uptake at Low Pressures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18383-92	9.5	75
134	Light-controlled bubble propulsion of amorphous TiO ₂ /Au Janus micromotors. <i>RSC Advances</i> , 2016 , 6, 10697-10703	3.7	61
133	Light-controlled propulsion, aggregation and separation of water-fuelled TiO ₂ /Pt Janus submicromotors and their "on-the-fly" photocatalytic activities. <i>Nanoscale</i> , 2016 , 8, 4976-83	7.7	136
132	Synchronous etching-epitaxial growth fabrication of facet-coupling NaTaO ₃ /Ta ₂ O ₅ heterostructured nanofibers for enhanced photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2016 , 184, 309-319	21.8	50
131	Facile preparation of graphite particles fully coated with thin Ag shell layers for high performance conducting and electromagnetic shielding composite materials. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2566-2578	7.1	25
130	Multifunctional magnetic oleic acid-coated MnFe ₂ O ₄ /polystyrene Janus particles for water treatment. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11768-11774	13	30
129	Tunable dielectric properties and excellent microwave absorbing properties of elliptical Fe ₃ O ₄ nanorings. <i>Applied Physics Letters</i> , 2016 , 108, 072905	3.4	109
128	Complex-Mediated Synthesis of Tantalum Oxyfluoride Hierarchical Nanostructures for Highly Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9395-404	9.5	30
127	Highly active Ta ₂ O ₅ microcubic single crystals: facet energy calculation, facile fabrication and enhanced photocatalytic activity of hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16562-16568	13	13
126	Ferrite-based metamaterial microwave absorber with absorption frequency magnetically tunable in a wide range. <i>Materials and Design</i> , 2016 , 110, 27-34	8.1	61
125	Single crystalline tantalum oxychloride microcubes: controllable synthesis, formation mechanism and enhanced photocatalytic hydrogen production activity. <i>Chemical Communications</i> , 2015 , 51, 12455-8	5.8	8

124	Flaky carbonyl iron particles with both small grain size and low internal strain for broadband microwave absorption. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 106-111	5.7	95
123	Easy gas-flow-induced CVD synthesis and tunable electromagnetic characteristics of centipede-shaped iron/cementite/multiwalled carbon nanotube (Fe/Fe ₃ C/MWCNT) heterostructures. <i>Surface and Coatings Technology</i> , 2015 , 283, 286-297	4.4	25
122	Surface Thiolation of Al Microspheres to Deposit Thin and Compact Ag Shells for High Conductivity. <i>Langmuir</i> , 2015 , 31, 13441-51	4	11
121	Ultra-wideband microwave absorber by connecting multiple absorption bands of two different-sized hyperbolic metamaterial waveguide arrays. <i>Scientific Reports</i> , 2015 , 5, 15367	4.9	59
120	Magnetically Modulated Pot-Like MnFe ₂ O ₄ Micromotors: Nanoparticle Assembly Fabrication and their Capability for Direct Oil Removal. <i>Advanced Functional Materials</i> , 2015 , 25, 6173-6181	15.6	116
119	Secondary growth of hierarchical nanostructures composed only of Nb ₃ O ₇ F single-crystalline nanorods as a new photocatalyst for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14686-14695	13	17
118	Free-standing, flexible thermochromic films based on one-dimensional magnetic photonic crystals. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2848-2855	7.1	54
117	Single-Component TiO ₂ Tubular Microengines with Motion Controlled by Light-Induced Bubbles. <i>Small</i> , 2015 , 11, 2564-70	11	131
116	A facile in situ fabrication and visible-light-response photocatalytic properties of porous carbon sphere/InOOH nanocomposites. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5
115	Steric-repulsion-based magnetically responsive photonic crystals. <i>Advanced Materials</i> , 2014 , 26, 1058-6424	90	
114	Liquid acid-catalysed fabrication of nanoporous 1,3,5-triazine frameworks with efficient and selective CO ₂ uptake. <i>Polymer Chemistry</i> , 2014 , 5, 3424	4.9	96
113	Integrating non-planar metamaterials with magnetic absorbing materials to yield ultra-broadband microwave hybrid absorbers. <i>Applied Physics Letters</i> , 2014 , 104, 022903	3.4	75
112	Rambutan-like Ni/MWCNT heterostructures: Easy synthesis, formation mechanism, and controlled static magnetic and microwave electromagnetic characteristics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7373	13	151
111	Generalized green synthesis and formation mechanism of sponge-like ferrite micro-polyhedra with tunable structure and composition. <i>Nanoscale</i> , 2014 , 6, 778-87	7.7	46
110	Control of porosity of novel carbazole-modified polytriazine frameworks for highly selective separation of CO ₂ /N ₂ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7795-7801	13	63
109	Broadband patterned magnetic microwave absorber. <i>Journal of Applied Physics</i> , 2014 , 116, 044110	2.5	108
108	Facile Preparation of Dibenzoheterocycle-Functional Nanoporous Polymeric Networks with High Gas Uptake Capacities. <i>Macromolecules</i> , 2014 , 47, 2875-2882	5.5	99
107	Engineering highly efficient photocatalysts for hydrogen production by simply regulating the solubility of insoluble compound cocatalysts. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 11486-11493	6.7	3

106	Facile method to synthesize silver nanoparticles on the surface of hollow glass microspheres and their microwave shielding properties. <i>RSC Advances</i> , 2014 , 4, 18645-18651	3.7	10
105	In situ gas bubble-assisted one-step synthesis of polymorphic Co ₃ O ₄ nanostructures with improved electrochemical performance for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 167-174	5.74	24
104	Autonomous motion and temperature-controlled drug delivery of Mg/Pt-poly(N-isopropylacrylamide) Janus micromotors driven by simulated body fluid and blood plasma. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9897-903	9.5	221
103	Facile preparation, formation mechanism and microwave absorption properties of porous carbonyl iron flakes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3769-3776	7.1	81
102	PRECURSORS-DECOMPOSITED SYNTHESIS AND VISIBLE-LIGHT-RESPONSE PHOTOCATALYTIC PROPERTIES OF UNIFORM POROUS Bi ₂ O ₃ NANOSPHERES. <i>Nano</i> , 2014 , 09, 1450067	1.1	1
101	Refractory plasmonics with titanium nitride: broadband metamaterial absorber. <i>Advanced Materials</i> , 2014 , 26, 7959-65	24	432
100	Heterogeneous acid catalytic esterification by porous polyoxometalate-tantalum pentoxide nanocomposites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 580-585	1	3
99	Polymorphous ZnO complex architectures: selective synthesis, mechanism, surface area and Zn-polar plane-codetermining antibacterial activity. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 454-463	7.3	102
98	In Situ Generated Gas Bubble-Directed Self-Assembly: Synthesis, and Peculiar Magnetic and Electrochemical Properties of Vertically Aligned Arrays of High-Density Co ₃ O ₄ Nanotubes. <i>Advanced Functional Materials</i> , 2013 , 23, 2406-2414	15.6	49
97	Facile preparation and size-dependent photocatalytic activity of Cu ₂ O nanocrystals modified titania for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 816-822	6.7	62
96	Well-dispersed mesoporous Ta ₂ O ₅ submicrospheres: Enhanced photocatalytic activity by tuning heating rate at calcination. <i>Chemical Engineering Journal</i> , 2013 , 229, 371-377	14.7	33
95	Oppositely charged twin-head electrospray: a general strategy for building Janus particles with controlled structures. <i>Nanoscale</i> , 2013 , 5, 2055-64	7.7	32
94	Nanotube Arrays: In Situ Generated Gas Bubble-Directed Self-Assembly: Synthesis, and Peculiar Magnetic and Electrochemical Properties of Vertically Aligned Arrays of High-Density Co ₃ O ₄ Nanotubes (Adv. Funct. Mater. 19/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 2405-2405	15.6	7
93	Self-propelled micromotors driven by the magnesium-water reaction and their hemolytic properties. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7208-12	16.4	188
92	Transforming complex space: a general strategy to compensate loss of transformation optical media. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 834-845	1.3	1
91	Self-Propelled Micromotors Driven by the Magnesium-Water Reaction and Their Hemolytic Properties. <i>Angewandte Chemie</i> , 2013 , 125, 7349-7353	3.6	44
90	Heterostructured mesoporous In ₂ O ₃ /Ta ₂ O ₅ composite photocatalysts for hydrogen evolution: impacts of In ₂ O ₃ content and calcination temperature. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 160-8	9.3	32
89	An efficient way to prepare silver nanorods in high concentration by polyol method without adding other metal or salt. <i>Materials Chemistry and Physics</i> , 2012 , 134, 686-694	4.4	7

88	Investigation of exchange bias in 0.1MFe ₂ O ₄ /0.9BiFeO ₃ (M=Co, Cu, Ni) nanocomposite. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1095-1099	2.8	9
87	Annealing temperature effect on microstructure, magnetic and microwave properties of Fe-based amorphous alloy powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2902-2906	2.8	16
86	Photocatalytic Activity for Hydrogen Evolution over Well-Dispersed Heterostructured In ₂ O ₃ /Ta ₂ O ₅ Composites. <i>Chinese Journal of Catalysis</i> , 2012 , 33, 1101-1108	11.3	8
85	External field-assisted solution synthesis and selectively catalytic properties of amorphous iron nanoplatelets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3909		10
84	Hierarchical nanostructures of fluorinated and naked Ta ₂ O ₅ single crystalline nanorods: hydrothermal preparation, formation mechanism and photocatalytic activity for H ₂ production. <i>Chemical Communications</i> , 2012 , 48, 7301-3	5.8	58
83	Magnetic iron oxide chestnutlike hierarchical nanostructures: preparation and their excellent arsenic removal capabilities. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3987-93	9.5	96
82	Visible light-response NaTa _{1-x} Cu _x O ₃ photocatalysts for hydrogen production from methanol aqueous solution. <i>Journal of Molecular Catalysis A</i> , 2012 , 360, 42-47		23
81	Preparation of crystallized mesoporous CdS/Ta ₂ O ₅ composite assisted by silica reinforcement for visible light photocatalytic hydrogen evolution. <i>Catalysis Communications</i> , 2012 , 25, 54-58	3.2	48
80	Controllable preparation and formation mechanism of monodispersed silica particles with binary sizes. <i>Journal of Colloid and Interface Science</i> , 2012 , 388, 40-6	9.3	15
79	Enhanced Interfacial Charge Transfer and Visible Photocatalytic Activity for Hydrogen Evolution from a Ta ₂ O ₅ -based Mesoporous Composite by the Incorporation of Quantum-Sized CdS. <i>ChemCatChem</i> , 2012 , 4, 1353-1359	5.2	44
78	Facile preparation of magnetic Fe ₃ O ₄ /TiO ₂ Janus hollow bowls with efficient visible-light photocatalytic activities by asymmetric shrinkage. <i>Nanoscale</i> , 2012 , 4, 4650-7	7.7	72
77	Fast and highly-sensitive hydrogen sensing of Nb ₂ O ₅ nanowires at room temperature. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4526-4532	6.7	96
76	Internal strain dependence of complex permeability of ball milled carbonyl iron powders in 2.8 GHz. <i>Journal of Applied Physics</i> , 2012 , 111, 093924	2.5	27
75	Preparation and Properties of Poly(fluorinated-acrylate)/Montmorillonite Composite Emulsion. <i>Integrated Ferroelectrics</i> , 2012 , 136, 156-168	0.8	1
74	Solvent-mediated synthesis of magnetic Fe ₂ O ₃ chestnut-like amorphous-core/βphase-shell hierarchical nanostructures with strong As(V) removal capability. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5414		121
73	Preparation of heterostructured mesoporous In ₂ O ₃ /Ta ₂ O ₅ nanocomposites with enhanced photocatalytic activity for hydrogen evolution. <i>Catalysis Communications</i> , 2011 , 12, 548-552	3.2	45
72	General boundary mapping method and its application in designing an arbitrarily shaped perfect electric conductor reshapener. <i>Optics Express</i> , 2011 , 19, 19740-51	3.3	6
71	Enhanced electromagnetic characteristics of carbon nanotubes/carbonyl iron powders complex absorbers in 2.8GHz ranges. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 451-456	5.7	125

70	Synthesis and characterization of nanosized urchin-like γ -Fe ₂ O ₃ and Fe ₃ O ₄ : Microwave electromagnetic and absorbing properties. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4320-4326	5.7	168
69	Goethite hierarchical nanostructures: Glucose-assisted synthesis, chemical conversion into hematite with excellent photocatalytic properties. <i>Materials Chemistry and Physics</i> , 2011 , 127, 371-378	4.4	55
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