

Rong-Ming Wang

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.

248
papers

10,374
citations

55
h-index

95
g-index

263
ext. papers

11,623
ext. citations

6.1
avg, IF

6.44
L-index

#	Paper	IF	Citations
248	Epitaxy of 2D Materials toward Single Crystals.. <i>Advanced Science</i> , 2022 , e2105201	13.6	1
247	Interfacial electronic structure modulation of Pt-MoS2 heterostructure for enhancing electrocatalytic hydrogen evolution reaction. <i>Nano Energy</i> , 2022 , 94, 106913	17.1	11
246	Interface modulation and physical properties of heterostructure of metal nanoparticles and two-dimensional materials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 , 71, 066801	0.6	
245	Atom-Resolved Investigation on Dynamic Nucleation and Growth of Platinum Nanocrystals.. <i>Small Methods</i> , 2022 , e2200171	12.8	2
244	Single-molecule field effect and conductance switching driven by electric field and proton transfer.. <i>Science Advances</i> , 2022 , 8, eabm3541	14.3	5
243	Dendritic porous silica nanoparticles with high-curvature structures for a dual-mode DNA sensor based on fluorometer and person glucose meter. <i>Mikrochimica Acta</i> , 2021 , 188, 407	5.8	2
242	Non-Local Electrostatic Gating Effect in Graphene Revealed by Infrared Nano-Imaging. <i>Small</i> , 2021 , e2105687	15.687	1
241	A subtle functional design of hollow CoP@MoS2 hetero-nanoframes with excellent hydrogen evolution performance. <i>Materials and Design</i> , 2021 , 211, 110165	8.1	1
240	High Efficiency and Narrow Emission Band Pure-Red Perovskite Colloidal Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10735-10741	6.4	8
239	The improvements of the dielectric performance of SmCrO3 by Zn doping. <i>Physica B: Condensed Matter</i> , 2021 , 608, 412687	2.8	
238	Enhanced photoresponse of TiO2/MoS2 heterostructure phototransistors by the coupling of interface charge transfer and photogating. <i>Nano Research</i> , 2021 , 14, 982-991	10	8
237	Correlation between pass-through flux of cobalt target and microstructure and magnetic properties of sputtered thin films. <i>Rare Metals</i> , 2021 , 40, 975-980	5.5	1
236	Surface Modifications of 2D-Ti3C2O2 by Nonmetal Doping for Obtaining High Hydrogen Evolution Reaction Activity: A Computational Approach. <i>Catalysts</i> , 2021 , 11, 161	4	1
235	Atomic origins of the strong metal-support interaction in silica supported catalysts. <i>Chemical Science</i> , 2021 , 12, 12651-12660	9.4	7
234	Single-mode lasing of CsPbBr perovskite NWs enabled by the Vernier effect. <i>Nanoscale</i> , 2021 , 13, 4432-4438	11.77	11
233	Wavelength tunable single-mode lasing from cesium lead halide perovskite microwires. <i>Applied Physics Letters</i> , 2021 , 118, 071103	3.4	3
232	Anisotropy of two-dimensional ReS2 and advances in its device application. <i>Rare Metals</i> , 2021 , 40, 3357-3374	3.374	10

231	Constructing the Au@Ni ₂ S ₄ core-shell heterostructure to promote the catalytic performance for oxygen evolution. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 425501	3	0
230	In-situ transmission electron microscopy for probing the dynamic processes in materials. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 443002	3	4
229	Precise synthesis of Fe ₃ O ₄ with N vacancies coordination for boosting electrochemical artificial N ₂ fixation. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120216	21.8	12
228	In-situ Etching Synthesis of 3D Self-supported Serrated Ni-WO ₃ for Oxygen Evolution Reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 162134	5.7	3
227	Conductive electrodes of metallic-organic compound CHCuS nanowires for all-solid-state flexible supercapacitors. <i>Nanoscale</i> , 2021 , 13, 6921-6926	7.7	5
226	Promoting methanol-oxidation-reaction by loading PtNi nano-catalysts on natural graphitic-nano-carbon. <i>Electrochimica Acta</i> , 2020 , 353, 136542	6.7	21
225	One-dimensional hollow FePt nanochains: applications in hydrolysis of NaBH ₄ and structural stability under Ga ion irradiation. <i>Nanotechnology</i> , 2020 , 31, 185704	3.4	2
224	Structure design, controllable synthesis, and application of metal-semiconductor heterostructure nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 1-12	3.6	19
223	Enhanced OER Performances of Au@NiCoS Core-Shell Heterostructure. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
222	Synthesization, characterization, and highly efficient electrocatalysis of chain-like Pt-Ni nanoparticles. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 076101	0.6	2
221	Highly Efficient Metal-Free Two-Dimensional Luminescent Melem Nanosheets for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2145-2151	9.5	14
220	Morphology/phase-dependent MoS ₂ nanostructures for high-efficiency electrochemical activity. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152909	5.7	12
219	Direct observation of the hysteretic Fermi level modulation in monolayer MoS ₂ field effect transistors. <i>Current Applied Physics</i> , 2020 , 20, 298-303	2.6	6
218	Planar Fully Stretchable Lithium-Ion Batteries Based on a Lamellar Conductive Elastomer. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	4
217	Synergy between FeMo ₂ C Nanorods and Non-thermal Plasma for Selective CO ₂ Reduction to CO. <i>Chem</i> , 2020 , 6, 3312-3328	16.2	19
216	Atomic Scale Evolution of Graphitic Shells Growth via Pyrolysis of Cobalt Phthalocyanine. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001112	4.6	8
215	Atomic-scaled surface engineering Ni-Pt nanoalloys towards enhanced catalytic efficiency for methanol oxidation reaction. <i>Nano Research</i> , 2020 , 13, 3088-3097	10	21
214	Interface control and catalytic performances of Au-NiS _x heterostructures. <i>Chemical Engineering Journal</i> , 2020 , 382, 122794	14.7	12

213	Ferroelectricity-induced performance enhancement of V-doped ZnO/Si photodetector by direct energy band modulation. <i>Nano Energy</i> , 2019 , 65, 104046	17.1	19
212	Catalysis of hydrogen evolution reaction by Ni ₁₂ P ₅ single crystalline nanoplates and spherical nanoparticles. <i>CrystEngComm</i> , 2019 , 21, 228-235	3.3	12
211	Efficient Synthesis of Bimetallic Pt ₃ Zn Alloy Nanocrystals with Different Shapes and their Enhanced Electrocatalytic Activity. <i>ChemCatChem</i> , 2019 , 11, 6031-6038	5.2	6
210	Direct observation of epitaxial alignment of Au on MoS ₂ at atomic resolution. <i>Nano Research</i> , 2019 , 12, 947-954	10	14
209	Atomic Scale Stability of Tungsten-Cobalt Intermetallic Nanocrystals in Reactive Environment at High Temperature. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5871-5879	16.4	20
208	Controlled fabrication, lasing behavior and excitonic recombination dynamics in single crystal CH ₃ NH ₃ PbBr ₃ perovskite cuboids. <i>Science Bulletin</i> , 2019 , 64, 698-704	10.6	20
207	Antiferromagnetic element Mn modified PtCo truncated octahedral nanoparticles with enhanced activity and durability for direct methanol fuel cells. <i>Nano Research</i> , 2019 , 12, 2520-2527	10	10
206	A Scalable General Synthetic Approach toward Ultrathin Imine-Linked Two-Dimensional Covalent Organic Framework Nanosheets for Photocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17431-17440	16.4	201
205	Evolution of local strain in Ag-deposited monolayer MoS modulated by interface interactions. <i>Nanoscale</i> , 2019 , 11, 22432-22439	7.7	7
204	Au@CoP core/shell nanoparticles as a nano-electrocatalyst for enhancing the oxygen evolution reaction.. <i>RSC Advances</i> , 2019 , 9, 40811-40818	3.7	2
203	Ultrathin Ni ₁₂ P ₅ nanoplates for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 545-555	5.7	13
202	Magnetic properties of Fe ₂ O ₃ nanoplates. <i>Rare Metals</i> , 2019 , 38, 14-19	5.5	7
201	Raman spectra study of p -tert-butylphenoxy-substituted phthalocyanines with different central metal and substitution positions. <i>Vibrational Spectroscopy</i> , 2018 , 96, 26-31	2.1	9
200	Stability investigation of a high number density Pt/FeO single-atom catalyst under different gas environments by HAADF-STEM. <i>Nanotechnology</i> , 2018 , 29, 204002	3.4	59
199	A novel non-enzymatic hydrogen peroxide sensor based on Co:ZnO modified electrodes. <i>Progress in Natural Science: Materials International</i> , 2018 , 28, 24-27	3.6	12
198	Porous Pt-NiO nanostructures with ultrasmall building blocks and enhanced electrocatalytic activity for the ethanol oxidation reaction.. <i>RSC Advances</i> , 2018 , 8, 698-705	3.7	10
197	Extraordinary electrocatalytic performance for formic acid oxidation by the synergistic effect of Pt and Au on carbon black. <i>Nano Energy</i> , 2018 , 48, 1-9	17.1	58
196	Principle and Application of Tip-enhanced Raman Scattering. <i>Plasmonics</i> , 2018 , 13, 1343-1358	2.4	4

195	Morphology-Controlled Synthesis of Hematite Nanocrystals and Their Optical, Magnetic and Electrochemical Performance. <i>Nanomaterials</i> , 2018 , 8,	5.4	6
194	PdZn nanocrystals for highly efficient formic acid oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 4757-4765	5.5	8
193	Nanostructure Optimization of Platinum-Based Nanomaterials for Catalytic Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
192	Low Pt Alloyed Nanostructures for Fuel Cells Catalysts. <i>Catalysts</i> , 2018 , 8, 538	4	8
191	Probing Evolution of Local Strain at MoS-Metal Boundaries by Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40246-40254	9.5	15
190	Transmission Electron Microscopy. <i>Springer Tracts in Modern Physics</i> , 2018 , 69-203	0.1	3
189	Electron/Ion Optics. <i>Springer Tracts in Modern Physics</i> , 2018 , 1-33	0.1	
188	Magnetic field modulated SERS enhancement of CoPt hollow nanoparticles with sizes below 10 nm. <i>Nanoscale</i> , 2018 , 10, 12650-12656	7.7	11
187	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018 , 30, e1803181	24	389
186	Substrate induced changes in atomically thin 2-dimensional semiconductors: Fundamentals, engineering, and applications. <i>Applied Physics Reviews</i> , 2017 , 4, 011301	17.3	76
185	Freestanding and Sandwich-Structured Electrode Material with High Areal Mass Loading for Long-Life LithiumSulfur Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602347	21.8	138
184	Structural, magnetic and transport properties of Pb ₂ Cr _{1+x} Mo _{1-x} O ₆ (0 ≤ x < 1/3). <i>Journal of Solid State Chemistry</i> , 2017 , 246, 92-96	3.3	1
183	Microfluidic Synthesis and Characterization of FePtSn/C Catalysts with Enhanced Electro-Catalytic Performance for Direct Methanol Fuel Cells. <i>Electrochimica Acta</i> , 2017 , 230, 245-254	6.7	32
182	Surface and interface engineering of FePt/C nanocatalysts for electro-catalytic methanol oxidation: enhanced activity and durability. <i>Nanoscale</i> , 2017 , 9, 4066-4075	7.7	25
181	Resistive switching effects depending on Ni content in Au/NixPt(1-x) nanoparticle devices. <i>RSC Advances</i> , 2017 , 7, 5445-5450	3.7	2
180	Au/Ni ₁₂ P ₅ core/shell single-crystal nanoparticles as oxygen evolution reaction catalyst. <i>Nano Research</i> , 2017 , 10, 3103-3112	10	41
179	Non-symmetric hybrids of noble metal-semiconductor: Interplay of nanoparticles and nanostructures in formation dynamics and plasmonic applications. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 157-168	3.6	17
178	Facile Growth of Caterpillar-like NiCoS Nanocrystal Arrays on Nickle Foam for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18774-18781	9.5	128

177	Interconnected hierarchical NiCoO microspheres as high-performance electrode materials for supercapacitors. <i>Dalton Transactions</i> , 2017 , 46, 9201-9209	4.3	55
176	Plasmon-exciton coupling of monolayer MoS ₂ -Ag nanoparticles hybrids for surface catalytic reaction. <i>Materials Today Energy</i> , 2017 , 5, 72-78	7	132
175	Core@shell CoO@Co ₃ O ₄ nanocrystals assembling mesoporous microspheres for high performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 327, 100-108	14.7	76
174	Nanomagnetic CoPt truncated octahedrons: facile synthesis, superior electrocatalytic activity and stability for methanol oxidation. <i>Science China Materials</i> , 2017 , 60, 57-67	7.1	29
173	Molecular Tilting Alignment on Ag@C Nanocubes Monitored by Temperature-Dependent Surface Enhanced Raman Scattering. <i>Scientific Reports</i> , 2017 , 7, 12865	4.9	6
172	Functional chemically modified graphene film: microstructure and electrical transport behavior. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 435101	3	13
171	Structure and Basic Properties of Ternary Metal Oxides and Their Prospects for Application in Supercapacitors 2017 , 99-132		10
170	Hollow CoP nanoflowers assembled from nanorods for ultralong cycle-life supercapacitors. <i>Nanoscale</i> , 2017 , 9, 14162-14171	7.7	70
169	The Stability of High Metal-Loading Pt ₁ /Fe ₂ O ₃ Single-Atom Catalyst Under Different Gas Environment. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1898-1899	0.5	1
168	First-principles investigation on Au@(ZnO) (n = 6-16) core-shell nanoparticles: structure stability and catalytic activity. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 435701	1.8	1
167	Electric current-induced giant electroresistance in La _{0.36} Pr _{0.265} Ca _{0.375} MnO ₃ thin films. <i>Chinese Physics B</i> , 2017 , 26, 047103	1.2	2
166	Giant enhancement and anomalous temperature dependence of magnetism in monodispersed NiPt ₂ nanoparticles. <i>Nano Research</i> , 2017 , 10, 3238-3247	10	10
165	Editorial for rare metals, special issue on nanomaterials and rechargeable battery applications. <i>Rare Metals</i> , 2017 , 36, 305-306	5.5	2
164	Fast synthesis of uniform mesoporous titania submicrospheres with high tap densities for high-volumetric performance Li-ion batteries. <i>Science China Materials</i> , 2017 , 60, 304-314	7.1	13
163	Optical, photonic and optoelectronic properties of graphene, h-BN and their hybrid materials. <i>Nanophotonics</i> , 2017 , 6, 943-976	6.3	49
162	Controlled growth of Au/Ni bimetallic nanocrystals with different nanostructures. <i>Rare Metals</i> , 2017 , 36, 229-235	5.5	8
161	Layer-controlled Pt-Ni porous nanobowls with enhanced electrocatalytic performance. <i>Nano Research</i> , 2017 , 10, 187-198	10	39
160	Pt-Based Nanostructures for Observing Genuine SERS Spectra of p-Aminothiophenol (PATP) Molecules. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 953	2.6	4

159	Synthesis and Electrochemical Properties of Porous Co(OH)_2 and Co_3O_4 Microspheres. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 197-202	3.6	28
158	Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2016 , 88, 9328-9346	7.8	144
157	Shape-Controlled Synthesis of Co_2P Nanostructures and Their Application in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3892-900	9.5	250
156	Atomic layer deposited TiO_2 on a nitrogen-doped graphene/sulfur electrode for high performance lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016 , 9, 1495-1503	35.4	270
155	Theoretical investigation of geometries, stabilities, electronic and optical properties for advanced $\text{Ag}_n@(\text{ZnO})_{42}$ ($n=6-18$) hetero-nanostructure. <i>AIP Advances</i> , 2016 , 6, 075023	1.5	1
154	Microsized BiOCl Square Nanosheets as Ultraviolet Photodetectors and Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6662-8	9.5	67
153	Oriented-assembly of hollow FePt nanochains with tunable catalytic and magnetic properties. <i>Nanoscale</i> , 2016 , 8, 11432-40	7.7	38
152	Enhanced Catalytic Activities of NiPt Truncated Octahedral Nanoparticles toward Ethylene Glycol Oxidation and Oxygen Reduction in Alkaline Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10841-9	9.5	66
151	Controllable synthesis of $\text{Ni(OH)}_2/\text{Co(OH)}_2$ hollow nanohexagons wrapped in reduced graphene oxide for supercapacitors. <i>RSC Advances</i> , 2016 , 6, 97172-97179	3.7	18
150	From channeled to hollow CoO octahedra: controlled growth, structural evolution and energetic applications. <i>CrystEngComm</i> , 2016 , 18, 6849-6859	3.3	17
149	Bipolar Resistive Switching in Epitaxial Mn_3O_4 Thin Films on Nb-Doped SrTiO_3 Substrates. <i>Chinese Physics Letters</i> , 2016 , 33, 067202	1.8	1
148	Ternary oxide nanostructured materials for supercapacitors: a review. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10158-10173	13	260
147	Structural transition behavior of ZnS nanotetrapods under high pressure. <i>High Pressure Research</i> , 2015 , 35, 9-15	1.6	6
146	Controlled synthesis of $\text{Ni}_{0.25}\text{Co}_{0.75}(\text{OH})_2$ nanoplates and their electrochemical properties. <i>CrystEngComm</i> , 2015 , 17, 4859-4864	3.3	15
145	A general strategy for nanohybrids synthesis via coupled competitive reactions controlled in a hybrid process. <i>Scientific Reports</i> , 2015 , 5, 9189	4.9	29
144	Large-scale synthesis of gold dendritic nanostructures for surface enhanced Raman scattering. <i>CrystEngComm</i> , 2015 , 17, 4200-4204	3.3	13
143	Tailoring surface phase transition and magnetic behaviors in BiFeO_3 via doping engineering. <i>Scientific Reports</i> , 2015 , 5, 9128	4.9	37
142	Monodispersed, ultrathin NiPt hollow nanospheres with tunable diameter and composition via a green chemical synthesis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1031-1036	13	53

141	Tuning giant anomalous Hall resistance ratio in perpendicular Hall balance. <i>Applied Physics Letters</i> , 2015 , 106, 152401	3.4	9
140	Large enhancement of Blocking temperature by control of interfacial structures in Pt/NiFe/IrMn/MgO/Pt multilayers. <i>AIP Advances</i> , 2015 , 5, 097146	1.5	2
139	Tuning oxygen vacancy photoluminescence in monoclinic Y2WO6 by selectively occupying yttrium sites using lanthanum. <i>Scientific Reports</i> , 2015 , 5, 9443	4.9	33
138	Highly efficient hydrogen production and formaldehyde degradation by Cu2O microcrystals. <i>Applied Catalysis B: Environmental</i> , 2015 , 172-173, 1-6	21.8	51
137	Phase formations and magnetic properties of single crystal nickel ferrite (NiFe2O4) with different morphologies. <i>CrystEngComm</i> , 2015 , 17, 1603-1608	3.3	48
136	Magneto-Plasmons in Periodic Nanoporous Structures. <i>Scientific Reports</i> , 2015 , 4,	4.9	24
135	Morphology structure diversity of ZnS nanostructures and their optical properties. <i>Rare Metals</i> , 2014 , 33, 1-15	5.5	30
134	Fiber-based flexible all-solid-state asymmetric supercapacitors for integrated photodetecting system. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1849-53	16.4	360
133	Ni(OH)2@Co(OH)2 hollow nano-hexagons: Controllable synthesis, facet-selected competitive growth and capacitance property. <i>Nano Energy</i> , 2014 , 5, 52-59	17.1	50
132	In situ tracing of atom migration in Pt/NiPt hollow spheres during catalysis of CO oxidation. <i>Chemical Communications</i> , 2014 , 50, 1804-7	5.8	21
131	Controlled hybridization of SnSnO2 nanoparticles via simple-programmed microfluidic processes for tunable ultraviolet and blue emissions. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7687-7694	7.1	22
130	Au/Ni12P5 core/shell nanocrystals from bimetallic heterostructures: in situ synthesis, evolution and supercapacitor properties. <i>NPG Asia Materials</i> , 2014 , 6, e122-e122	10.3	74
129	Flexible coaxial-type fiber supercapacitor based on NiCo2O4 nanosheets electrodes. <i>Nano Energy</i> , 2014 , 8, 44-51	17.1	212
128	NiPt hollow nanocatalyst: Green synthesis, size control and electrocatalysis. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 175-178	3.6	24
127	Tailoring characteristic thermal stability of Ni-Au binary nanocrystals via structure and composition engineering: theoretical insights into structural evolution and atomic inter-diffusion. <i>AIP Advances</i> , 2014 , 4, 117132	1.5	3
126	Fiber-Based Flexible All-Solid-State Asymmetric Supercapacitors for Integrated Photodetecting System. <i>Angewandte Chemie</i> , 2014 , 126, 1880-1884	3.6	112
125	Strong nonlinear current-voltage behaviour in iron oxyborate. <i>AIP Advances</i> , 2014 , 4, 117101	1.5	
124	Bimetallic nanostructures with magnetic and noble metals and their physicochemical applications. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 113-126	3.6	121

123	In Situ Redox Microfluidic Synthesis of CoreShell Nanoparticles and Their Long-Term Stability. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17274-17284	3.8	28
122	Enhanced photoluminescence from SiO _x /Au nanostructures. <i>CrystEngComm</i> , 2013 , 15, 10116	3.3	6
121	In situ atom-resolved tracing of element diffusion in NiAu nanospindles. <i>Nanoscale</i> , 2013 , 5, 5067-72	7.7	16
120	Magnetism in undoped ZnS nanotetrapods. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2405-10	3.6	12
119	Phase formation, magnetic and optical properties of epitaxially grown icosahedral Au@Ni nanoparticles with ultrathin shells. <i>CrystEngComm</i> , 2013 , 15, 2527	3.3	24
118	Structural stability and Raman scattering of CoPt and NiPt hollow nanospheres under high pressure. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 382-387	3.6	5
117	Phase formations, magnetic and catalytic properties of Co ₃ O ₄ hexagonal micro-boxes with one-dimensional nanotubes. <i>CrystEngComm</i> , 2013 , 15, 3587	3.3	9
116	Visible light initiated and collapsed resistive switching in TbMnO ₃ /Nb:SrTiO ₃ heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6804-8	3.6	23
115	Complementary charge trapping and ionic migration in resistive switching of rare-earth manganite TbMnO ₃ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1213-7	9.5	69
114	Temperature independent leakage current in Au/TbMnO ₃ /Y Ba ₂ Cu ₃ O _{7-x} capacitors. <i>Solid State Communications</i> , 2012 , 152, 123-126	1.6	1
113	From ZnS nanoparticles, nanobelts, to nanotetrapods: the ethylenediamine modulated anisotropic growth of ZnS nanostructures. <i>Nanoscale</i> , 2012 , 4, 2394-9	7.7	27
112	Magnetic anisotropy and anomalous transitions in TbMnO ₃ thin films. <i>Applied Physics Letters</i> , 2012 , 101, 122406	3.4	18
111	Synthesis and characterization of ZnS tetrapods and ZnO/ZnS heterostructures. <i>Thin Solid Films</i> , 2012 , 522, 40-44	2.2	9
110	Double-layered NiPt nanobowls with ultrathin shell synthesized in water at room temperature. <i>CrystEngComm</i> , 2012 , 14, 5151	3.3	11
109	Facile synthesis of AgBr nanoplates with exposed {111} facets and enhanced photocatalytic properties. <i>Chemical Communications</i> , 2012 , 48, 275-7	5.8	120
108	Co ₂ P nanostructures by thermal decomposition: phase formation and magnetic properties. <i>CrystEngComm</i> , 2012 , 14, 1197-1200	3.3	10
107	Well-Aligned CoPt Hollow Nanochains Synthesized in Water at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5352-5357	3.8	39
106	Focused ion beam built-up on scanning electron microscopy with increased milling precision. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 625-630	3.6	3

105	Magnetization reversal and anisotropy with chains of superparamagnetic Ni nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1036-9	1.3	
104	Quantum heat engine cycle working with a strongly correlated electron system. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 792-797	3.6	2
103	Preparation and properties of tungsten-doped indium oxide thin films. <i>Rare Metals</i> , 2012 , 31, 158-163	5.5	10
102	Effects of dopant content on optical and electrical properties of In ₂ O ₃ :W transparent conductive films. <i>Rare Metals</i> , 2012 , 31, 168-171	5.5	6
101	An investigation of nickel cobalt oxide nanorings using transmission electron, scanning electron and helium ion microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1094-8	1.3	4
100	Template-free synthesis and self-assembly of aligned nickel nanochains under magnetic fields. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11128-32	1.3	3
99	Synthesis and self-assembly of ultrathin Ni(x)Fe(1-x)(OH) ₂ nanodiscs via a wet-chemistry method. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11028-31	1.3	1
98	Interface-dependent rectifying TbMnO ₃ -based heterojunctions. <i>AIP Advances</i> , 2011 , 1, 042129	1.5	21
97	Magnetite hollow spheres: solution synthesis, phase formation and magnetic property. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 213-220	2.3	26
96	Scanning near-field acoustic microscope and its application. <i>Science China Technological Sciences</i> , 2011 , 54, 126-130	3.5	2
95	Quantum phase transition in quarter-filled nanoclusters of manganite induced by element substitution at B site. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 1277-1282	3.6	
94	Growth and micromagnetic simulation of magnetite nanoparticles. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 1208-1212	3.6	2
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