

Rong-Ming Wang

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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	Optical properties of the ZnO nanotubes synthesized via vapor phase growth. <i>Applied Physics Letters</i> , 2003 , 83, 1689-1691	3.4	561
247	Efficient field emission from ZnO nanoneedle arrays. <i>Applied Physics Letters</i> , 2003 , 83, 144-146	3.4	462
246	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
245	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
244	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
243	Ternary oxide nanostructured materials for supercapacitors: a review. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10158-10173	13	260
242	Shape-Controlled Synthesis of Co ₂ P Nanostructures and Their Application in Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3892-900	9.5	250
241	Synthesis of large arrays of aligned Fe ₂ O ₃ nanowires. <i>Chemical Physics Letters</i> , 2003 , 379, 373-379	2.5	227
240	Flexible coaxial-type fiber supercapacitor based on NiCo ₂ O ₄ nanosheets electrodes. <i>Nano Energy</i> , 2014 , 8, 44-51	17.1	212
239	Synthesis, optical, and magnetic properties of diluted magnetic semiconductor Zn _{1-x} MnxO nanowires via vapor phase growth. <i>Applied Physics Letters</i> , 2003 , 83, 4020-4022	3.4	202
238	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
237	Low-temperature growth and Raman scattering study of vertically aligned ZnO nanowires on Si substrate. <i>Applied Physics Letters</i> , 2003 , 83, 4631-4633	3.4	176
236	Low-temperature growth and properties of ZnO nanowires. <i>Applied Physics Letters</i> , 2004 , 84, 4941-4943	3.4	154
235	Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2016 , 88, 9328-9346	7.8	144
234	Freestanding and Sandwich-Structured Electrode Material with High Areal Mass Loading for Long-Life Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602347	21.8	138
233	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
232	Ribbon- and boardlike nanostructures of nickel hydroxide: synthesis, characterization, and electrochemical properties. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 7654-8	3.4	130

231	Green-light-emitting ZnSe nanowires fabricated via vapor phase growth. <i>Applied Physics Letters</i> , 2003 , 82, 3330-3332	3.4	129
230	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
229	Surfactant-directed polypyrrole/CNT nanocables: synthesis, characterization, and enhanced electrical properties. <i>ChemPhysChem</i> , 2004 , 5, 998-1002	3.2	127
228	An investigation on the microstructure of an AM50 magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 355, 201-207	5.3	124
227	Cationic surfactant directed polyaniline/CNT nanocables: synthesis, characterization, and enhanced electrical properties. <i>Carbon</i> , 2004 , 42, 1455-1461	10.4	122
226	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
225	Facile synthesis of AgBr nanoplates with exposed {111} facets and enhanced photocatalytic properties. <i>Chemical Communications</i> , 2012 , 48, 275-7	5.8	120
224	Bicrystalline hematite nanowires. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12245-9	3.4	114
223	Porous nanotubes of Co ₃ O ₄ : Synthesis, characterization, and magnetic properties. <i>Applied Physics Letters</i> , 2004 , 85, 2080-2082	3.4	113
222	Fiber-Based Flexible All-Solid-State Asymmetric Supercapacitors for Integrated Photodetecting System. <i>Angewandte Chemie</i> , 2014 , 126, 1880-1884	3.6	112
221	Orientation-Controlled Growth of Single-Crystal Silicon-Nanowire Arrays. <i>Advanced Materials</i> , 2005 , 17, 56-61	24	108
220	An efficient ruthenium catalyst for selective hydrogenation of ortho-chloronitrobenzene prepared via assembling ruthenium and tin oxide nanoparticles. <i>Journal of Catalysis</i> , 2004 , 222, 493-498	7.3	106
219	Uniform Metal Nanotube Arrays by Multistep Template Replication and Electrodeposition. <i>Advanced Materials</i> , 2004 , 16, 1550-1553	24	103
218	Magnetic nanochains of metal formed by assembly of small nanoparticles. <i>Chemical Communications</i> , 2004 , 2726-7	5.8	103
217	Synthesis, Microstructure, and Growth Mechanism of Dendrite ZnO Nanowires. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8289-8293	3.4	100
216	Facile synthesis of monodisperse Mn ₃ O ₄ tetragonal nanoparticles and their large-scale assembly into highly regular walls by a simple solution route. <i>Small</i> , 2007 , 3, 606-10	11	95
215	Growth and formation mechanism of c-oriented ZnO nanorod arrays deposited on glass. <i>Journal of Crystal Growth</i> , 2004 , 269, 464-471	1.6	91
214	Ni/Ni ₃ C core-shell nanochains and its magnetic properties: one-step synthesis at low temperature. <i>Nano Letters</i> , 2008 , 8, 1147-52	11.5	90

213	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1730-1735		87
212	High-Quality Ultra-Fine GaN Nanowires Synthesized Via Chemical Vapor Deposition. <i>Advanced Materials</i> , 2003 , 15, 419-421	24	85
211	Synthesis of Nickel Hydroxide Nanoribbons with a New Phase: A Solution Chemistry Approach. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7531-7533	3.4	83
210	Nanotubular structures of zinc oxide. <i>Solid State Communications</i> , 2004 , 129, 671-675	1.6	81
209	Attachment-driven morphology evolution of rectangular ZnO nanowires. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8786-90	3.4	80
208	Platinum catalyzed growth of NiPt hollow spheres with an ultrathin shell. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1925-1930		79
207	Amplification of fluorescent contrast by photonic crystals in optical storage. <i>Advanced Materials</i> , 2010 , 22, 1237-41	24	77
206	Fabrication and microstructure analysis on zinc oxide nanotubes. <i>New Journal of Physics</i> , 2003 , 5, 115-115.9		77
205	Substrate induced changes in atomically thin 2-dimensional semiconductors: Fundamentals, engineering, and applications. <i>Applied Physics Reviews</i> , 2017 , 4, 011301	17.3	76
204	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
203	Au/Ni ₁₂ P ₅ 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
202	Hollow CoP nanoflowers assembled from nanorods for ultralong cycle-life supercapacitors. <i>Nanoscale</i> , 2017 , 9, 14162-14171	7.7	70
201	FePt Icosahedra with Magnetic Cores and Catalytic Shells. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4395-4400	3.8	70
200	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
199	Microsized BiOCl Square Nanosheets as Ultraviolet Photodetectors and Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6662-8	9.5	67
198	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
197	Microstructures and dislocations in the stressed AZ91D magnesium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 344, 279-287	5.3	64
196	Large-scale synthesis of uniform nanotubes of a nickel complex by a solution chemical route. <i>Journal of the American Chemical Society</i> , 2004 , 126, 4530-1	16.4	60

195	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
194	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
193	Interconnected hierarchical NiCoO microspheres as high-performance electrode materials for supercapacitors. <i>Dalton Transactions</i> , 2017 , 46, 9201-9209	4.3	55
192	Shape controllable synthesis of ZnO nanorod arrays via vapor phase growth. <i>Solid State Communications</i> , 2004 , 129, 803-807	1.6	55
191	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
190	Highly efficient hydrogen production and formaldehyde degradation by Cu ₂ O microcrystals. <i>Applied Catalysis B: Environmental</i> , 2015 , 172-173, 1-6	21.8	51
189	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
188	Optical, photonic and optoelectronic properties of graphene, h-BN and their hybrid materials. <i>Nanophotonics</i> , 2017 , 6, 943-976	6.3	49
187	Phase formations and magnetic properties of single crystal nickel ferrite (NiFe ₂ O ₄) with different morphologies. <i>CrystEngComm</i> , 2015 , 17, 1603-1608	3.3	48
186	Effect of adsorbates on field-electron emission from ZnO nanoneedle arrays. <i>Journal of Applied Physics</i> , 2004 , 96, 624-628	2.5	46
185	Structural stability of icosahedral FePt nanoparticles. <i>Nanoscale</i> , 2009 , 1, 276-9	7.7	45
184	TEM investigation on the growth mechanism of carbon nanotubes synthesized by hot-filament chemical vapor deposition. <i>Micron</i> , 2004 , 35, 455-60	2.3	43
183	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
182	Atom-resolved evidence of anisotropic growth in ZnS nanotetrapods. <i>Nano Letters</i> , 2011 , 11, 2983-8	11.5	41
181	One-Pot Synthesis of Highly Crystallined MnO ₂ Nanodisks Assembled from Nanoparticles: Morphology Evolutions and Phase Transitions. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 365-369	3.8	40
180	Layer-controlled Pt-Ni porous nanobowls with enhanced electrocatalytic performance. <i>Nano Research</i> , 2017 , 10, 187-198	10	39
179	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
178	Oriented-assembly of hollow FePt nanochains with tunable catalytic and magnetic properties. <i>Nanoscale</i> , 2016 , 8, 11432-40	7.7	38

177	Tailoring surface phase transition and magnetic behaviors in BiFeO ₃ via doping engineering. <i>Scientific Reports</i> , 2015 , 5, 9128	4.9	37
176	Fluorescence enhancement by heterostructure colloidal photonic crystals with dual stopbands. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 63-8	9.3	37
175	Magnetic and transport and dielectric properties of polycrystalline TbMnO ₃ . <i>Solid State Communications</i> , 2006 , 138, 481-484	1.6	34
174	Thermal evaporation synthesis of zinc oxide nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1527-1530	2.6	34
173	Tuning oxygen vacancy photoluminescence in monoclinic Y ₂ WO ₆ by selectively occupying yttrium sites using lanthanum. <i>Scientific Reports</i> , 2015 , 5, 9443	4.9	33
172	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
171	Morphology structure diversity of ZnS nanostructures and their optical properties. <i>Rare Metals</i> , 2014 , 33, 1-15	5.5	30
170	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
169	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
168	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
167	From ZnS nanobelts to ZnO/ZnS heterostructures: Microscopy analysis and their tunable optical property. <i>Applied Physics Letters</i> , 2010 , 97, 041916	3.4	28
166	Controlled synthesis of monodispersed hematite microcubes and their properties. <i>CrystEngComm</i> , 2011 , 13, 7114	3.3	28
165	Defects and growing mechanisms of BiFeO ₃ nanowires. <i>Chemical Physics Letters</i> , 2006 , 431, 100-103	2.5	28
164	Synthesis and Electrochemical Properties of Porous BiCo(OH) ₂ and Co ₃ O ₄ Microspheres. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 197-202	3.6	28
163	From ZnS nanoparticles, nanobelts, to nanotetrapods: the ethylenediamine modulated anisotropic growth of ZnS nanostructures. <i>Nanoscale</i> , 2012 , 4, 2394-9	7.7	27
162	TEM investigations on ZnO nanobelts synthesized via a vapor phase growth. <i>Micron</i> , 2004 , 35, 481-7	2.3	27
161	Magnetite hollow spheres: solution synthesis, phase formation and magnetic property. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 213-220	2.3	26
160	Effect of rare earth on the microstructures and properties of a low expansion superalloy. <i>Journal of Alloys and Compounds</i> , 2000 , 311, 60-64	5.7	26

159	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
158	Microstructure and interface structure studies of SiCp-reinforced Al (6061) metal-matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 254, 219-226	5.3	25
157	NiPt hollow nanocatalyst: Green synthesis, size control and electrocatalysis. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 175-178	3.6	24
156	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
155	Magneto-Plasmons in Periodic Nanoporous Structures. <i>Scientific Reports</i> , 2015 , 4,	4.9	24
154	Nanostructure Optimization of Platinum-Based Nanomaterials for Catalytic Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
153	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
152	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. <i>Vibrational Spectroscopy</i> , 2006 , 40, 47-54	2.1	23
151	Controlled hybridization of Sn@SnO ₂ 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
150	Promoting methanol-oxidation-reaction by loading PtNi nano-catalysts on natural graphitic-nano-carbon. <i>Electrochimica Acta</i> , 2020 , 353, 136542	6.7	21
149	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
148	Interface-dependent rectifying TbMnO ₃ -based heterojunctions. <i>AIP Advances</i> , 2011 , 1, 042129	1.5	21
147	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
146	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
145	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
144	Flower-Like Nickel Nanocrystals: Facile Synthesis, Shape Evolution, and Their Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 2261-2265	2.3	20
143	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
142	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

141	Nanostructured stars of ZnO microcrystals with intense stimulated emission. <i>Applied Physics Letters</i> , 2005 , 87, 163103	3.4	19
140	Synergy between EMo2C Nanorods and Non-thermal Plasma for Selective CO2 Reduction to CO. <i>CheM</i> , 2020 , 6, 3312-3328	16.2	19
139	Magnetic anisotropy and anomalous transitions in TbMnO3 thin films. <i>Applied Physics Letters</i> , 2012 , 101, 122406	3.4	18
138	Backward rectifying and forward Schottky behavior at Au/b-1.0wt%-doped SrTiO3 interface. <i>Applied Physics Letters</i> , 2007 , 91, 233513	3.4	18
137	Controllable synthesis of Ni(OH)2/Co(OH)2 hollow nanohexagons wrapped in reduced graphene oxide for supercapacitors. <i>RSC Advances</i> , 2016 , 6, 97172-97179	3.7	18
136	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
135	Microstructure-dependent dielectric properties of TbMnO3 in Au/bMnO3/Ba2Cu3O7 capacitors. <i>Journal of Applied Physics</i> , 2006 , 100, 034101	2.5	17
134	Dielectric properties of polycrystalline MgB2. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 442, 29-32	1.3	17
133	From channeled to hollow CoO octahedra: controlled growth, structural evolution and energetic applications. <i>CrystEngComm</i> , 2016 , 18, 6849-6859	3.3	17
132	In situ atom-resolved tracing of element diffusion in NiAu nanospindles. <i>Nanoscale</i> , 2013 , 5, 5067-72	7.7	16
131	Controlled synthesis of Ni0.25Co0.75(OH)2 nanoplates and their electrochemical properties. <i>CrystEngComm</i> , 2015 , 17, 4859-4864	3.3	15
130	Thermodynamic Phase Formation of Morphology and Size Controlled Ni Nanochains by Temperature and Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7721-7726	3.8	15
129	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
128	Direct observation of epitaxial alignment of Au on MoS2 at atomic resolution. <i>Nano Research</i> , 2019 , 12, 947-954	10	14
127	Boron carbide nanowires with uniform CNxcoatings. <i>New Journal of Physics</i> , 2007 , 9, 13-13	2.9	14
126	Solution phase synthesis of magnesium hydroxide sulfate hydrate nanoribbons. <i>Nanotechnology</i> , 2004 , 15, 1625-1627	3.4	14
125	Highly Efficient Metal-Free Two-Dimensional Luminescent Melem Nanosheets for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2145-2151	9.5	14
124	Functional chemically modified graphene film: microstructure and electrical transport behavior. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 435101	3	13

123	Large-scale synthesis of gold dendritic nanostructures for surface enhanced Raman scattering. <i>CrystEngComm</i> , 2015 , 17, 4200-4204	3.3	13
122	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
121	Ultrathin Ni ₁₂ P ₅ nanoplates for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 545-555	5.7	13
120	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
119	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
118	Magnetism in undoped ZnS nanotetrapods. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2405-10	3.6	12
117	Thickness-dependent rectifying behavior in heterojunctions of TbMnO ₃ /Nb-1.0wt.-%-doped SrTiO ₃ . <i>Thin Solid Films</i> , 2008 , 516, 2292-2295	2.2	12
116	Analytical TEM investigations on boron carbonitride nanotubes grown via chemical vapour deposition. <i>New Journal of Physics</i> , 2004 , 6, 78-78	2.9	12
115	Morphology/phase-dependent MoS ₂ nanostructures for high-efficiency electrochemical activity. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152909	5.7	12
114	Interface control and catalytic performances of Au-NiS _x heterostructures. <i>Chemical Engineering Journal</i> , 2020 , 382, 122794	14.7	12
113	Carbon-Involved Near-Surface Evolution of Cobalt Nanocatalysts: An in Situ Study. <i>CCS Chemistry</i> , 154-167.2		12
112	Precise synthesis of Fe ₂ with N vacancies coordination for boosting electrochemical artificial N ₂ fixation. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120216	21.8	12
111	Double-layered NiPt nanobowls with ultrathin shell synthesized in water at room temperature. <i>CrystEngComm</i> , 2012 , 14, 5151	3.3	11
110	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes: Part 13. The Raman characteristics of phthalocyanine in unsubstituted and peripherally octa(octyloxy)-substituted homoleptic bis(phthalocyaninato) rare earth complexes. <i>Polyhedron</i> , 2006 , 25, 1195-1203	2.7	11
109	Interfacial electronic structure modulation of Pt-MoS ₂ heterostructure for enhancing electrocatalytic hydrogen evolution reaction. <i>Nano Energy</i> , 2022 , 94, 106913	17.1	11
108	Single-mode lasing of CsPbBr perovskite NWs enabled by the Vernier effect. <i>Nanoscale</i> , 2021 , 13, 4432-4438	7.7	11
107	Magnetic field modulated SERS enhancement of CoPt hollow nanoparticles with sizes below 10 nm. <i>Nanoscale</i> , 2018 , 10, 12650-12656	7.7	11
106	Structure and Basic Properties of Ternary Metal Oxides and Their Prospects for Application in Supercapacitors 2017 , 99-132		10

105	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
104	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
103	Giant enhancement and anomalous temperature dependence of magnetism in monodispersed NiPt ₂ nanoparticles. <i>Nano Research</i> , 2017 , 10, 3238-3247	10	10
102	Co ₂ P nanostructures by thermal decomposition: phase formation and magnetic properties. <i>CrystEngComm</i> , 2012 , 14, 1197-1200	3.3	10
101	Preparation and properties of tungsten-doped indium oxide thin films. <i>Rare Metals</i> , 2012 , 31, 158-163	5.5	10
100	Anisotropy of two-dimensional ReS ₂ and advances in its device application. <i>Rare Metals</i> , 2021 , 40, 3357-3374	3.7	10
99	Tuning giant anomalous Hall resistance ratio in perpendicular Hall balance. <i>Applied Physics Letters</i> , 2015 , 106, 152401	3.4	9
98	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
97	Synthesis and characterization of ZnS tetrapods and ZnO/ZnS heterostructures. <i>Thin Solid Films</i> , 2012 , 522, 40-44	2.2	9
96	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
95	Single-crystal MgB ₂ hexagonal microprisms via hybrid physical-chemical vapor deposition. <i>CrystEngComm</i> , 2011 , 13, 3959	3.3	9
94	Pd ₂ N nanocrystals for highly efficient formic acid oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 4757-4765	5.5	8
93	Controlled growth of Au/Ni bimetallic nanocrystals with different nanostructures. <i>Rare Metals</i> , 2017 , 36, 229-235	5.5	8
92	Electrical characteristics of Au and Ag Schottky contacts on Nb-1.0 wt %-doped SrTiO ₃ . <i>Journal of Applied Physics</i> , 2010 , 108, 104506	2.5	8
91	A high ON/OFF ratio organic film for photo- and electro-dual-mode recording. <i>Applied Physics Letters</i> , 2009 , 94, 163309	3.4	8
90	Well-aligned Nickel Nanochains Synthesized by a Template-free Route. <i>Nanoscale Research Letters</i> , 2009 , 5, 597-602	5	8
89	Nanostructure Induced by Femtosecond Laser in Various OH-Contents Silicas. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1422-1426	1.3	8
88	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

87	Atomic Scale Evolution of Graphitic Shells Growth via Pyrolysis of Cobalt Phthalocyanine. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001112	4.6	8
86	Enhanced photoresponse of TiO ₂ /MoS ₂ heterostructure phototransistors by the coupling of interface charge transfer and photogating. <i>Nano Research</i> , 2021 , 14, 982-991	10	8
85	Low Pt Alloyed Nanostructures for Fuel Cells Catalysts. <i>Catalysts</i> , 2018 , 8, 538	4	8
84	A new phase in TiB ₂ -reinforced NiAlBe matrix composite. <i>Journal of Materials Science</i> , 1998 , 33, 1183-1187	7	7
83	Microanalytical study of the hexagonal phase in an yttrium-containing low expansion superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 241, 83-89	5.3	7
82	Evolution of local strain in Ag-deposited monolayer MoS modulated by interface interactions. <i>Nanoscale</i> , 2019 , 11, 22432-22439	7.7	7
81	Magnetic properties of Fe ₂ O ₃ nanopallots. <i>Rare Metals</i> , 2019 , 38, 14-19	5.5	7
80	Atomic origins of the strong metal-support interaction in silica supported catalysts. <i>Chemical Science</i> , 2021 , 12, 12651-12660	9.4	7
79	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
78	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
77	Structural transition behavior of ZnS nanotetrapods under high pressure. <i>High Pressure Research</i> , 2015 , 35, 9-15	1.6	6
76	Morphology-Controlled Synthesis of Hematite Nanocrystals and Their Optical, Magnetic and Electrochemical Performance. <i>Nanomaterials</i> , 2018 , 8,	5.4	6
75	Enhanced photoluminescence from SiO ₂ /Au nanostructures. <i>CrystEngComm</i> , 2013 , 15, 10116	3.3	6
74	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
73	Improvement of fabrication precision of focused ion beam by introducing simultaneous electron beam. <i>Progress in Natural Science: Materials International</i> , 2010 , 20, 111-115	3.6	6
72	Precipitations in an Yttrium-Containing Low-Expansion Superalloy. <i>Journal of Materials Science</i> , 1998 , 33, 5069-5077	4.3	6
71	Delamination and magnetism softening of polycrystalline La _{0.9} Ba _{0.1} MnO ₃ . <i>Journal of Applied Physics</i> , 2008 , 103, 073907	2.5	6
70	Effect of cation addition on dielectric properties of TbMnO ₃ . <i>Physica B: Condensed Matter</i> , 2007 , 392, 147-150	2.8	6

69	Single-crystal star-like zinc oxide: synthesis, characterization and growth mechanism. <i>Rare Metals</i> , 2006 , 25, 193-199	5.5	6
68	Microstructural and compositional characteristics of GaN films grown on a ZnO-buffered Si (111) wafer. <i>Micron</i> , 2004 , 35, 475-80	2.3	6
67	HREM study of the NiAlFe ₂ TiB ₂ composite fabricated by reaction compocasting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 265, 95-99	5.3	6
66	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
65	Enhanced OER Performances of Au@NiCoS Core-Shell Heterostructure. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
64	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
63	Investigation of metal contacts to Nb-1.0wt.%-doped SrTiO ₃ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 138, 214-218	3.1	5
62	Electron microscopy investigation of gallium oxide micro/nanowire structures synthesized via vapor phase growth. <i>Micron</i> , 2004 , 35, 447-53	2.3	5
61	Giant Faraday rotation in diluted magnetic semiconductor Cd _{1-x} Be _x Te. <i>Solid State Communications</i> , 1994 , 92, 725-729	1.6	5
60	Conductive electrodes of metallic-organic compound CHCuS nanowires for all-solid-state flexible supercapacitors. <i>Nanoscale</i> , 2021 , 13, 6921-6926	7.7	5
59	Single-molecule field effect and conductance switching driven by electric field and proton transfer.. <i>Science Advances</i> , 2022 , 8, eabm3541	14.3	5
58	Principle and Application of Tip-enhanced Raman Scattering. <i>Plasmonics</i> , 2018 , 13, 1343-1358	2.4	4
57	Pt-Based Nanostructures for Observing Genuine SERS Spectra of p-Aminothiophenol (PATP) Molecules. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 953	2.6	4
56	Room temperature synthesis and one-dimensional self-assembly of interlaced Ni nanodiscs under magnetic field. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 275002	3	4
55	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
54	Effective interband g factors in diluted magnetic semiconductor Cd _{1-x} FexTe. <i>Journal of Applied Physics</i> , 1996 , 80, 4421-4424	2.5	4
53	Photoresponsive Covalent Organic Frameworks with Diarylethene Switch for Tunable Singlet Oxygen Generation. <i>Chemistry of Materials</i> ,	9.6	4
52	Planar Fully Stretchable Lithium-Ion Batteries Based on a Lamellar Conductive Elastomer. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	4

51	Modulating reaction pathways of formic acid oxidation for optimized electrocatalytic performance of PtAu/CoNC. <i>Nano Research</i> ,1	10	4
50	In-situ transmission electron microscopy for probing the dynamic processes in materials. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 443002	3	4
49	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
48	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
47	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
46	Point defects in L10 FePt studied by molecular dynamics simulations based on an analytic bond-order potential. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 1429-1432	3.6	3
45	Spin-polarized Andreev reflection and spin accumulation in a quantum-dot Aharonov-Bohm interferometer with spin-orbit interaction effects. <i>Journal of Applied Physics</i> , 2011 , 110, 033706	2.5	3
44	Fabrication of Nano-Grating by Focused Ion Beam / Scanning Electron Microscopy Dual-Beam System. <i>Key Engineering Materials</i> , 2011 , 483, 66-69	0.4	3
43	Short-range order in nanoscale amorphous intergranular films in liquid-phase sintered silicon carbide. <i>Applied Physics Letters</i> , 2006 , 89, 211902	3.4	3
42	Microstructure and mechanical properties of NiAlCoTiB2 composites. <i>Materials Letters</i> , 1999 , 38, 54-57	3.3	3
41	Fe doped NiS nanosheet arrays grown on carbon fiber paper for a highly efficient electrocatalytic oxygen evolution reaction. <i>Nanoscale Advances</i> ,	5.1	3
40	Wavelength tunable single-mode lasing from cesium lead halide perovskite microwires. <i>Applied Physics Letters</i> , 2021 , 118, 071103	3.4	3
39	Transmission Electron Microscopy. <i>Springer Tracts in Modern Physics</i> , 2018 , 69-203	0.1	3
38	In-situ Etching Synthesis of 3D Self-supported Serrated Ni-WO3 for Oxygen Evolution Reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 162134	5.7	3
37	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
36	One-dimensional hollow FePt nanochains: applications in hydrolysis of NaBH and structural stability under Ga ion irradiation. <i>Nanotechnology</i> , 2020 , 31, 185704	3.4	2
35	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
34	Editorial for rare metals, special issue on nanomaterials and rechargeable battery applications. <i>Rare Metals</i> , 2017 , 36, 305-306	5.5	2

33	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
32	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
31	Scanning near-field acoustic microscope and its application. <i>Science China Technological Sciences</i> , 2011 , 54, 126-130	3.5	2
30	Growth and micromagnetic simulation of magnetite nanoparticles. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 1208-1212	3.6	2
29	Superposed forward current-voltage characteristics in TbMnO ₃ /n-Si and TbMnO ₃ /p-Si heterostructures. <i>Thin Solid Films</i> , 2009 , 517, 5872-5875	2.2	2
28	Two-step synthesis of Bi ₂ Te ₃ nanowires with sheet-like multiple heterostructure. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2631-2635	3.3	2
27	The changes of capacitance and current-voltage characteristics of LaMnO ₃ /SrTiO ₃ :Nb heterojunctions exposed to ambient air. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 625-627	2.3	2
26	Quenching-promoted anomalous electromagnetic behaviors of polycrystalline La _{0.67} Ba _{0.33} MnO ₃ compound by hydrogen annealing. <i>Journal of Alloys and Compounds</i> , 2007 , 428, 40-43	5.7	2
25	Synthesis, characterization, and highly efficient electrocatalysis of chain-like Pt-Ni nanoparticles. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 076101	0.6	2
24	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
23	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
22	Atom-Resolved Investigation on Dynamic Nucleation and Growth of Platinum Nanocrystals.. <i>Small Methods</i> , 2022 , e2200171	12.8	2
21	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
20	Temperature independent leakage current in Au/TbMnO ₃ /YBa ₂ Cu ₃ O _{7-x} capacitors. <i>Solid State Communications</i> , 2012 , 152, 123-126	1.6	1
19	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
18	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
17	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
16	Epitaxy of 2D Materials toward Single Crystals.. <i>Advanced Science</i> , 2022 , e2105201	13.6	1

15	Non-Local Electrostatic Gating Effect in Graphene Revealed by Infrared Nano-Imaging. <i>Small</i> , 2021 , e2105687	1
14	A subtle functional design of hollow CoP@MoS ₂ hetero-nanoframes with excellent hydrogen evolution performance. <i>Materials and Design</i> , 2021 , 211, 110165	8.1 1
13	Theoretical investigation of geometries, stabilities, electronic and optical properties for advanced Agn@(ZnO) ₄₂ (n=6-18) hetero-nanostructure. <i>AIP Advances</i> , 2016 , 6, 075023	1.5 1
12	Bipolar Resistive Switching in Epitaxial Mn ₃ O ₄ Thin Films on Nb-Doped SrTiO ₃ Substrates. <i>Chinese Physics Letters</i> , 2016 , 33, 067202	1.8 1
11	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
10	Surface Modifications of 2D-Ti ₃ C ₂ O ₂ by Nonmetal Doping for Obtaining High Hydrogen Evolution Reaction Activity: A Computational Approach. <i>Catalysts</i> , 2021 , 11, 161	4 1
9	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
8	Interface Interaction Dependent Growth of Carbon Nanostructures: An In Situ Study. <i>Advanced Materials Interfaces</i> , 2200334	4.6 0
7	Strong nonlinear current-voltage behaviour in iron oxyborate. <i>AIP Advances</i> , 2014 , 4, 117101	1.5
6	Magnetization reversal and anisotropy with chains of superparamagnetic Ni nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1036-9	1.3
5	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
4	Influence of hydrogenation on the microstructure and crystallization of Zr-Cu-Ni-Al-Y metallic glass. <i>Philosophical Magazine</i> , 2003 , 83, 2545-2556	1.6
3	The improvements of the dielectric performance of SmCrO ₃ by Zn doping. <i>Physica B: Condensed Matter</i> , 2021 , 608, 412687	2.8
2	Electron/Ion Optics. <i>Springer Tracts in Modern Physics</i> , 2018 , 1-33	0.1
1	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