

# Rong-kun Zheng

## List of Publications by Citations

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252  
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44  
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273  
ext. papers

8,943  
ext. citations

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L-index

#	Paper	IF	Citations
252	Dopamine as a robust anchor to immobilize functional molecules on the iron oxide shell of magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9938-9	16.4	793
251	Facile one-pot synthesis of bifunctional heterodimers of nanoparticles: a conjugate of quantum dot and magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5664-5	16.4	669
250	Nitrilotriacetic acid-modified magnetic nanoparticles as a general agent to bind histidine-tagged proteins. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3392-3	16.4	409
249	The effect of mesoporous bioactive glass on the physiochemical, biological and drug-release properties of poly(DL-lactide-co-glycolide) films. <i>Biomaterials</i> , <b>2009</b> , 30, 2199-208	15.6	159
248	Three-Dimensional Smart Catalyst Electrode for Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500936	21.8	155
247	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 461-469	14.7	145
246	Role of point defects in room-temperature ferromagnetism of Cr-doped ZnO. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 072511	3.4	144
245	2D Metal Organic Framework Nanosheet: A Universal Platform Promoting Highly Efficient Visible-Light-Induced Hydrogen Production. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803402	21.8	144
244	Fabrication and magnetic properties of ultrathin Fe nanowire arrays. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3341-3343	3.4	116
243	Hierarchical NiMn-layered double hydroxides@CuO core-shell heterostructure in-situ generated on Cu(OH) <sub>2</sub> nanorod arrays for high performance supercapacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122486	14.7	115
242	Unexpected assembly of a unique cyano-bridged three-dimensional Cu <sub>3</sub> Cr <sub>2</sub> ferromagnet. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 11809-10	16.4	113
241	Construction of Z-scheme Cu <sub>2</sub> O/Cu/AgBr/Ag photocatalyst with enhanced photocatalytic activity and stability under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 917-926	21.8	107
240	Training effect of exchange bias in Fe <sub>2</sub> O <sub>3</sub> coated Fe nanoparticles. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	96
239	Large room-temperature spin-dependent tunneling magnetoresistance in polycrystalline Fe <sub>3</sub> O <sub>4</sub> films. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3531-3533	3.4	95
238	Visible-Light-Triggered Reactive-Oxygen-Species-Mediated Antibacterial Activity of Peroxidase-Mimic CuO Nanorods. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1694-1704	5.6	94
237	Giant exchange bias and the vertical shifts of hysteresis loops in Fe <sub>2</sub> O <sub>3</sub> -coated Fe nanoparticles. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 5244-5246	2.5	92
236	In Situ Self-Assembly of Thin ZnO Nanoplatelets into Hierarchical Mesocrystal Microtubules with Surface Grafting of Nanorods: A General Strategy towards Hollow Mesocrystal Structures. <i>Advanced Materials</i> , <b>2008</b> , 20, 339-342	24	91

235	Bimetallic metal-organic frameworks derived Ni-Co-Se@C hierarchical bundle-like nanostructures with high-rate pseudocapacitive lithium ion storage. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 374-384	19.4	87
234	Hydrogen adsorption capacity of adatoms on double carbon vacancies of graphene: A trend study from first principles. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	85
233	Exchange bias and the origin of magnetism in Mn-doped ZnO tetrapods. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2589-2591	3.4	84
232	Structural, optical and magnetic properties of Co-doped ZnO nanorods with hidden secondary phases. <i>Nanotechnology</i> , <b>2008</b> , 19, 455702	3.4	79
231	Atomic-scale compositional mapping reveals Mg-rich amorphous calcium phosphate in human dental enamel. <i>Science Advances</i> , <b>2016</b> , 2, e1601145	14.3	76
230	Porous carbon prepared via combustion and acid treatment as flexible zinc-ion capacitor electrode material. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124161	14.7	73
229	Zn-Ni-Co trimetallic carbonate hydroxide nanothorns branched on Cu(OH) <sub>2</sub> nanorods array based on Cu foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 437, 226897	8.9	71
228	Precipitate characterisation of an advanced high-strength low-alloy (HSLA) steel using atom probe tomography. <i>Scripta Materialia</i> , <b>2007</b> , 56, 601-604	5.6	71
227	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. <i>Advanced Materials</i> , <b>2006</b> , 18, 2418-2421	24	70
226	Performance modulation of MnO nanowires by crystal facet engineering. <i>Scientific Reports</i> , <b>2015</b> , 5, 8987	4.9	67
225	Evidence for high-T <sub>c</sub> ferromagnetism in Zn <sub>x</sub> (ZnO) <sub>1-x</sub> granular films mediated by native point defects. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	64
224	Chemical synthesis of narrowly dispersed SmCo <sub>5</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7589-7591	3.5	63
223	Memory effect and spin-glass-like behavior in Co-Ag granular films. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	61
222	Role of structural defects on ferromagnetism in amorphous Cr-doped TiO <sub>2</sub> films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 042511	3.4	54
221	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. <i>Advanced Materials</i> , <b>2004</b> , 16, 1356-1359	24	53
220	Enhanced photocatalytic activities of g-C <sub>3</sub> N <sub>4</sub> with large specific surface area via a facile one-step synthesis process. <i>Carbon</i> , <b>2017</b> , 125, 454-463	10.4	50
219	Inducing High Coercivity in MoS <sub>2</sub> Nanosheets by Transition Element Doping. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9066-9074	9.6	50
218	Surface plasmon resonance enhanced visible-light-driven photocatalytic activity in Cu nanoparticles covered Cu <sub>2</sub> O microspheres for degrading organic pollutants. <i>Applied Surface Science</i> , <b>2016</b> , 366, 120-128	6.7	50

217	Magnetism of Co-doped ZnO epitaxially grown on a ZnO substrate. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	49
216	Cr <sub>2</sub> O <sub>3</sub> surface layer and exchange bias in an acicular CrO <sub>2</sub> particle. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 702-704	3.4	48
215	Multilayer NiMn layered double hydroxide nanosheets covered porous Co <sub>3</sub> O <sub>4</sub> nanowire arrays with hierarchical structure for high-performance supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 440, 227123	8.9	46
214	Intrinsic Ferromagnetism in the Diluted Magnetic Semiconductor Co:TiO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 227202	7.4	46
213	Attractive-domain-wall-pinning controlled Sm-Co magnets overcome the coercivity-remanence trade-off. <i>Acta Materialia</i> , <b>2019</b> , 164, 196-206	8.4	45
212	Facile synthesis of graphene oxide hybrids bridged by copper ions for increased conductivity. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 3084	7.1	44
211	Microstructure and mechanical properties of Mg <sub>0.6</sub> Zn <sub>0.4</sub> Cu <sub>0.6</sub> Zr (wt.%) alloys. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3526-3531	5.7	44
210	Direct observation of local potassium variation and its correlation to electronic inhomogeneity in (Ba <sub>1-x</sub> K <sub>x</sub> )Fe <sub>2</sub> As <sub>2</sub> pnictide. <i>Physical Review Letters</i> , <b>2011</b> , 106, 247002	7.4	44
209	Characterization of the Bake-hardening Behavior of Transformation Induced Plasticity and Dual-phase Steels Using Advanced Analytical Techniques. <i>ISIJ International</i> , <b>2010</b> , 50, 574-582	1.7	44
208	Shape-Controlled Synthesis and Assembly of Copper Sulfide Nanoparticles. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2032-2035	3.5	43
207	Enhanced photocatalytic performances and magnetic recovery capacity of visible-light-driven Z-scheme ZnFe <sub>2</sub> O <sub>4</sub> /AgBr/Ag photocatalyst. <i>Applied Surface Science</i> , <b>2018</b> , 440, 99-106	6.7	42
206	Thickness dependence of magnetic and magneto-transport properties of polycrystalline Fe <sub>3</sub> O <sub>4</sub> films prepared by reactive sputtering at room temperature. <i>Journal Physics D: Applied Physics</i> , <b>2003</b> , 36, 2950-2953	3	42
205	Effect of cyclic rapid thermal loadings on the microstructural evolution of a CrMnFeCoNi high-entropy alloy manufactured by selective laser melting. <i>Acta Materialia</i> , <b>2020</b> , 196, 609-625	8.4	42
204	Electrical and thermoelectric properties of single-wall carbon nanotube doped Bi <sub>2</sub> Te <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2012</b> , 101, 031909	3.4	41
203	(00l)-oriented Bi <sub>2</sub> Sr <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> and Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> films: Self-assembly orientation and growth mechanism by chemical solution deposition. <i>Acta Materialia</i> , <b>2010</b> , 58, 4281-4291	8.4	41
202	Development of <110> texture in copper thin films. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 2290-2292	3.4	40
201	Graphene doping to enhance the flux pinning and supercurrent carrying ability of a magnesium diboride superconductor. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 085003	3.1	39
200	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 5905-10	1.8	38

199	On the roles of graphene oxide doping for enhanced supercurrent in MgB2 based superconductors. <i>Nanoscale</i> , <b>2014</b> , 6, 6166-72	7.7	36
198	First principles study of 3d transition metal doped . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3138-3143	2.8	36
197	Memory effects in a nanoparticle system: Low-field magnetization and ac susceptibility measurements. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	36
196	Magic numbers of nanoholes in graphene: Tunable magnetism and semiconductivity. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	35
195	Atomic-Level Insights into the Edge Active ReS2 Ultrathin Nanosheets for High-Efficiency Light-to-Hydrogen Conversion <b>2020</b> , 2, 1484-1494		35
194	Structural and electronic properties of Eu- and Pd-doped ZnO. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 357	5	34
193	Thermal-strain-induced enhancement of electromagnetic properties of SiCMgB2 composites. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 042510	3.4	34
192	Ionic Liquid-assisted Synthesis of Polyaniline/Gold Nanocomposite and Its Biocatalytic Application. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 468-472	5	32
191	MOF-derived carbon-encapsulated cobalt sulfides orostachys-like micro/nano-structures as advanced anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 290, 193-202	6.7	32
190	Multiferroism in orientational engineered (La, Mn) co-substituted BiFeO3 thin films. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 114105	2.5	31
189	Comment on "memory effects in an interacting magnetic nanoparticle system". <i>Physical Review Letters</i> , <b>2004</b> , 93, 139702; author reply 139703	7.4	31
188	Room-temperature ferromagnetism and the scaling relation between magnetization and average granule size in nanocrystalline Zn/ZnO core-shell structures prepared by sputtering. <i>Nanotechnology</i> , <b>2010</b> , 21, 145705	3.4	30
187	Direct synthesis of a bimodal nanosponge based on FePt and ZnS. <i>Small</i> , <b>2005</b> , 1, 402-6	11	30
186	Full Electric Control of Exchange Bias at Room Temperature by Resistive Switching. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801885	24	29
185	Investigation of Self-assembled Monolayer by Atom Probe Microscopy. <i>Microscopy and Microanalysis</i> , <b>2009</b> , 15, 272-273	0.5	29
184	Microstructural and magnetic properties of passivated Co nanoparticle films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 270, 407-412	2.8	29
183	In situ growth of ZnO nanodots on carbon hierarchical hollow spheres as high-performance electrodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1079-1087	5.7	29
182	Encapsulating MnSe Nanoparticles Inside 3D Hierarchical Carbon Frameworks with Lithium Storage Boosted by in Situ Electrochemical Phase Transformation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33022-33032	9.5	28

181	Recent Progress on Cesium Lead Halide Perovskites for Photodetection Applications. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 1348-1366	4	28
180	Structure and magnetotransport properties of Fe <sub>3</sub> O <sub>4</sub> /BiO <sub>2</sub> composite films reactively sputtered at room temperature. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 5661-5665	2.5	28
179	Enhanced flux pinning in a high- T C superconducting film by a ferromagnetic buffer layer. <i>Europhysics Letters</i> , <b>2001</b> , 56, 119-125	1.6	28
178	Quantitative dopant distributions in GaAs nanowires using atom probe tomography. <i>Ultramicroscopy</i> , <b>2013</b> , 132, 186-92	3.1	27
177	Magnetic entropy change in LaFe <sub>13</sub> Six intermetallic compounds. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8537	2.5	27
176	Metallic MoN ultrathin nanosheets boosting high performance photocatalytic H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23278-23282	13	27
175	Atom probe microscopy of self-assembled monolayers: preliminary results. <i>Langmuir</i> , <b>2010</b> , 26, 5291-4	4	26
174	Diameter dependence of the giant magnetoimpedance in hard-drawn CoFeSiB amorphous wires. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7418	2.5	26
173	Enhanced photoelectrochemical water-splitting performance with a hierarchical heterostructure: Co <sub>3</sub> O <sub>4</sub> nanodots anchored TiO <sub>2</sub> @P-C <sub>3</sub> N <sub>4</sub> core-shell nanorod arrays. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126458	14.7	26
172	A large spin-crossover [Fe <sub>4</sub> L <sub>4</sub> ] <sup>8+</sup> tetrahedral cage. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7878-7882	7.1	25
171	Synthesis of dense, single-crystalline CrO <sub>2</sub> nanowire arrays using AAO template-assisted chemical vapor deposition. <i>Nanotechnology</i> , <b>2011</b> , 22, 125603	3.4	25
170	Large extraordinary Hall effect and anomalous scaling relations between the Hall and longitudinal conductivities in Fe <sub>3</sub> N nanocrystalline films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	25
169	Microstructural evolution of spinodally formed Fe <sub>35</sub> Ni <sub>15</sub> Mn <sub>25</sub> Al <sub>25</sub> . <i>Intermetallics</i> , <b>2009</b> , 17, 886-893	3.5	25
168	A Spatially Separated Organic/Inorganic Hybrid Photoelectrochemical Cell for Unassisted Overall Water Splitting. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5308-5315	13.1	24
167	Room temperature magnetoresistance in La <sub>0.67</sub> Sr <sub>0.33</sub> Mn <sub>1-x</sub> CoxO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8912	2.5	24
166	Low-Dimensional Hybrid Perovskites for Field-Effect Transistors with Improved Stability: Progress and Challenges. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000137	6.4	23
165	Engineering Nanostructure-Interface of Photoanode Materials Toward Photoelectrochemical Water Oxidation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005389	24	23
164	Self-assembly of a unique 3d/4f heterometallic square prismatic box-like coordination cage. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9407-11	4.3	23

163	Bi <sub>2</sub> Se <sub>3</sub> @C Rod-like Architecture with Outstanding Electrochemical Properties in Lithium/Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 11073-11081	6.1	22
162	Bimetal-organic framework derived Cu(NiCo) <sub>2</sub> S/NiS electrode material with hierarchical hollow heterostructure for high performance energy storage. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 565, 295-304	9.3	22
161	Full tip imaging in atom probe tomography. <i>Ultramicroscopy</i> , <b>2013</b> , 124, 96-101	3.1	22
160	Atomic-scale observation of parallel development of super elasticity and reversible plasticity in GaAs nanowires. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 021904	3.4	22
159	Crystal Facet Effects on Nanomagnetism of CoO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19235-19241	5.1	21
158	Intrinsic and spatially nonuniform ferromagnetism in Co-doped ZnO films. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	21
157	Synthesis of mesoporous LaPO <sub>4</sub> nanostructures with controllable morphologies. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1657	3.6	21
156	Microstructure and enhanced in-plane ferroelectricity of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films grown on MgAl <sub>2</sub> O <sub>4</sub> (001) single-crystal substrate. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 232906	3.4	21
155	Electrical control of memristance and magnetoresistance in oxide magnetic tunnel junctions. <i>Nanoscale</i> , <b>2015</b> , 7, 6334-9	7.7	20
154	Two-dimensional organic/inorganic hybrid Ruddlesden-Popper perovskite materials: preparation, enhanced stability, and applications in photodetection. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2087-2113	5.8	20
153	Electrocatalysts Based on Transition Metal Borides and Borates for the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11661-11672	4.8	20
152	TiO <sub>2</sub> /BHT:PCBM photoelectrochemical tandem cells for solar-driven overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4032-4039	13	20
151	Structure and magnetic properties of polycrystalline Fe <sub>3</sub> O <sub>4</sub> films deposited by reactive sputtering at room temperature. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, 739-744		20
150	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped InO-Diluted Magnetic Semiconductors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22372-22380	9.5	19
149	Tunable electrical and magnetic properties of half-metallic Zn(x)Fe(3-x)O <sub>4</sub> from first principles. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 21243-7	3.6	19
148	. <i>IEEE Transactions on Magnetism</i> , <b>2003</b> , 39, 2764-2766	2	19
147	Phase evolution from Ln <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> (Ln=Y and Gd) pyrochlores to brannerites in glass with uranium incorporation. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5335-5346	3.8	18
146	Self-Assembly of Gold Nanowires along Carbon Nanotubes for Ultrahigh-Aspect-Ratio Hybrids. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2760-2765	9.6	17



145	Thickness dependence of in-plane dielectric and ferroelectric properties of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films epitaxially grown on LaAlO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2007</b> , 90, 132902	3.4	17
144	FeS <sub>2</sub> bridging function to enhance charge transfer between MoS <sub>2</sub> and g-C <sub>3</sub> N <sub>4</sub> for efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127804	14.7	17
143	On the universality of Suzuki segregation in binary Mg alloys from first principles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 620, 38-41	5.7	16
142	Construction of hierarchical Cu <sub>2</sub> O@NiCoAl-layered double hydroxide nanorod arrays electrode for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155321	5.7	16
141	Preparation of CoS supported flower-like NiFe layered double hydroxides nanospheres for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 607-618	9.3	16
140	Atom Probe Tomography on Semiconductor Devices. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500713	4.6	16
139	Microscopic unravelling of nano-carbon doping in MgB <sub>2</sub> superconductors fabricated by diffusion method. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 900-905	5.7	15
138	Optical single-sideband modulation based on silicon-on-insulator coupled-resonator optical waveguides. <i>Optical Engineering</i> , <b>2015</b> , 55, 031114	1.1	15
137	Microfluidic spray drying as a versatile assembly route of functional particles. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 5531-5531	4.4	15
136	Nanoscale pathways for human tooth decay - Central planar defect, organic-rich precipitate and high-angle grain boundary. <i>Biomaterials</i> , <b>2020</b> , 235, 119748	15.6	15
135	Controllable synthesis of Ni <sub>1-x</sub> CoxMoO <sub>4</sub> with tunable morphologies for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 850, 156734	5.7	15
134	Characterisation of nano-grains in MgB <sub>2</sub> superconductors by transmission Kikuchi diffraction. <i>Scripta Materialia</i> , <b>2015</b> , 101, 36-39	5.6	14
133	Room-temperature ferromagnetism in nanocrystalline Cu/Cu <sub>2</sub> O core-shell structures prepared by magnetron sputtering. <i>APL Materials</i> , <b>2013</b> , 1, 042106	5.7	14
132	ITO regulated high-performance n-Si/ITO/Fe <sub>2</sub> O <sub>3</sub> Z-scheme heterostructure towards photoelectrochemical water splitting. <i>Journal of Catalysis</i> , <b>2020</b> , 381, 501-507	7.3	14
131	3D Atomic-Scale Insights into Anisotropic Core-Shell-Structured InGaAs Nanowires Grown by Metal-Organic Chemical Vapor Deposition. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701888	24	13
130	Extrinsic Two-Dimensional Flux Pinning Centers in MgB Superconductors Induced by Graphene-Coated Boron. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10818-10828	9.5	13
129	Controlled synthesis and characterization of 10 nm thick Al <sub>2</sub> O <sub>3</sub> nanowires. <i>Materials Letters</i> , <b>2009</b> , 63, 1016-1018	3.3	13
128	Extraordinary Hall effect and universal scaling in Fe <sub>x</sub> (ZnO) <sub>1-x</sub> granular thin films at room temperature. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 012401	3.4	12



127	Magnetic properties of fluffy Fe@Fe <sub>2</sub> O <sub>3</sub> core-shell nanowires. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 423	5	12
126	Structures and transport properties of polycrystalline Fe <sub>3</sub> O <sub>4</sub> films. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 8003-8009	1.8	12
125	Strain-Engineered Ultrahigh Mobility in Phosphorene for Terahertz Transistors. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800797	6.4	12
124	Grain size quantification by optical microscopy, electron backscatter diffraction, and magnetic force microscopy. <i>Micron</i> , <b>2017</b> , 101, 41-47	2.3	11
123	In situ formation of crystalline flakes in Mg-based metallic glass composites by controlled inoculation. <i>Acta Materialia</i> , <b>2011</b> , 59, 7776-7786	8.4	11
122	Growth and Valence Excitations of ZnO:M(Al, In, Sn) Hierarchical Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18031-18036	3.8	11
121	On the understanding of the microscopic origin of the properties of diluted magnetic semiconductors by atom probe tomography. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 935-943	2.8	11
120	Influence of oxygen partial pressure on the ferromagnetic properties of polycrystalline Cr-doped ZnO films. <i>Europhysics Letters</i> , <b>2008</b> , 84, 27005	1.6	11
119	Growth and optimization of hybrid perovskite single crystals for optoelectronics/electronics and sensing. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13918-13952	7.1	11
118	Microstructural and Texture Evolution of Strip Cast NdFeB Flake. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 6550-6558	3.5	10
117	Insights into the Silver Reflection Layer of a Vertical LED for Light Emission Optimization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24259-24272	9.5	10
116	Synthesis and characterization of self-assembled c-axis oriented Bi <sub>2</sub> Sr <sub>3</sub> Co <sub>2</sub> O <sub>7</sub> (y) thin films by the sol-gel method. <i>Dalton Transactions</i> , <b>2011</b> , 40, 9544-50	4.3	10
115	Extraordinary Hall effect in (Ni <sub>80</sub> Fe <sub>20</sub> ) <sub>x</sub> (SiO <sub>2</sub> ) <sub>1-x</sub> thin films. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	10
114	A three-dimensional and porous bi-nanospheres electrocatalytic system constructed by in situ generation of Ru nanoclusters inside and outside polydopamine nanoparticles for highly efficient hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 6592-6603	6.7	9
113	Phase redistribution in an in situ Mg-based bulk metallic glass composite during deformation in the supercooled liquid region. <i>Scripta Materialia</i> , <b>2010</b> , 63, 556-559	5.6	9
112	Microscopic bonding mechanism of welding interface with molten Cu-Zn deposited on solid-state steel. <i>Materials Characterization</i> , <b>2008</b> , 59, 542-546	3.9	9
111	Transport and magnetotransport properties of cold-pressed CrO <sub>2</sub> powder. <i>Physica Status Solidi A</i> , <b>2005</b> , 202, 144-150		9
110	On the metallic bonding of GaN-based vertical light-emitting diode. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 63, 237-247	4.3	8

109	Evaluation of carbon incorporation and strain of doped MgB <sub>2</sub> superconductor by Raman spectroscopy. <i>Scripta Materialia</i> , <b>2011</b> , 64, 323-326	5.6	8
108	Giant Hall effect in metal/insulator composite films. <i>Vacuum</i> , <b>2004</b> , 73, 603-610	3.7	8
107	Direct Observation of Dopants Distribution and Diffusion in GaAs Planar Nanowires with Atom Probe Tomography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26244-26250	9.5	8
106	Characterization of Iron Core-Gold Shell Nanoparticles for Anti-Cancer Treatments: Chemical and Structural Transformations During Storage and Use. <i>Materials</i> , <b>2018</b> , 11,	3.5	8
105	Incorporating plasmonic Au-nanoparticles into three-dimensionally ordered macroporous perovskite frameworks for efficient photocatalytic CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132137	14.7	8
104	Magnetic, electrochemical and thermoelectric properties of P2-Nax(Co <sub>7</sub> /8Sb <sub>1</sub> /8)O <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>2017</b> , 687, 233-237	2.5	7
103	Negative Poisson's ratio in 2D life-boat structured crystals. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1117-1123	5.1	7
102	Atomically Dispersed Single Co Sites in Zeolitic Imidazole Frameworks Promoting High-Efficiency Visible-Light-Driven Hydrogen Production. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9670-9677	4.8	7
101	Atomic-scale tomography of semiconductor nanowires. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 40, 896-909	4.3	7
100	Electronic Structure and Ferromagnetism Modulation in Cu/Cu <sub>2</sub> O Interface: Impact of Interfacial Cu Vacancy and Its Diffusion. <i>Scientific Reports</i> , <b>2015</b> , 5, 15191	4.9	7
99	Extracting anisotropy energy barrier distributions of nanomagnetic systems from magnetization/susceptibility measurements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, L21-L27	2.8	7
98	High-density, vertically aligned crystalline CrO(2) nanorod arrays derived from chemical vapor deposition assisted by AAO templates. <i>Chemical Communications</i> , <b>2009</b> , 3949-51	5.8	7
97	Elastic-effects study of charge-ordering transition in La <sub>0.25</sub> Ca <sub>0.75</sub> MnO <sub>3</sub> perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 308, 71-73	2.8	7
96	Atomic scale insights into the segregation/partitioning behaviour in as-sintered multi-main-phase Nd-Ce-Fe-B permanent magnets. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156248	5.7	7
95	Multigraded Heterojunction Hole Extraction Layer of ZIF-CoxZn <sub>1-x</sub> on Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> Skeleton for a New Photoanode Architecture in Water Oxidation. <i>Small Science</i> , <b>2021</b> , 1, 2000033		7
94	Layer-structured uranyl-oxide hydroxy-hydrates with Pr(III) and Tb(III) ions: hydroxyl to oxo transition driven by interlayer cations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 5832-5841	4.3	6
93	Carbon-Coating Layers on Boron Generated High Critical Current Density in MgB Superconductor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8563-8572	9.5	6
92	Heterogeneous nucleation of $\epsilon$ -type precipitates on nanoscale Zr-rich particles in a Mg-6Zn-0.5Cu-0.6Zr alloy. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 300	5	6

91	Single Crystal Kinked ZnO [001] and [110] Nanowires: Synthesis, Characterization, and Growth/Kinking Mechanism. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 3153-3157	3.5	6
90	THE BEHAVIOR OF GALLIUM CONFINED IN CARBON NANOTUBES DURING HEATING AND COOLING. <i>Functional Materials Letters</i> , <b>2008</b> , 01, 55-58	1.2	6
89	Magnetic Field Dependent on Ultrasonic Sound Velocity and Attenuation in Charge-Ordering Manganese Oxide La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> . <i>Physica Status Solidi A</i> , <b>2001</b> , 184, 251-256		6
88	Carbon Nanomaterials for Halide Perovskites-Based Hybrid Photodetectors. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000643	6.8	6
87	Plasmon-enhanced alcohol oxidations over porous carbon nanosphere-supported palladium and gold bimetallic nanocatalyst. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 292, 120151	21.8	6
86	Syntheses and crystal structures of thorium(IV) and uranium(IV) tripodal metalloligands. <i>Polyhedron</i> , <b>2017</b> , 138, 82-87	2.7	5
85	Enhancement of Anomalous Hall Effect via Interfacial Scattering in Metal-Organic Semiconductor Fe(C <sub>60</sub> ) <sub>18</sub> Granular Films Near the Metal-Insulator Transition. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808747	15.6	5
84	Interfacial effects on the microstructures and magnetoresistance of Ni <sub>80</sub> Fe <sub>20</sub> /P3HT/Fe organic spin valves. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 991-997	5.7	5
83	First-principles investigation of electrical and magnetic properties of ZnO based diluted magnetic semiconductors codoped with H. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 113901	2.5	5
82	Application of advanced analytical techniques to study structure-property relationship of hot rolled high strength low alloy steel. <i>Materials Science and Technology</i> , <b>2011</b> , 27, 305-309	1.5	5
81	Stress/Strain Induced Flux Pinning in Highly Dense $\text{MgB}_2$ Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2722-2725	1.8	5
80	High mobility in phosphorene isostructures with low deformation potential. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 2276-2282	3.6	5
79	First-principles investigation of intrinsic point defects in perovskite CsSnBr <sub>3</sub> . <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	5
78	In-situ synthesis of Ni-Co-S nanoparticles embedded in novel carbon bowknots and flowers with pseudocapacitance-boosted lithium ion storage. <i>Nanotechnology</i> , <b>2019</b> , 30, 155701	3.4	5
77	Recent advances in radiation detection technologies enabled by metal-halide perovskites. <i>Materials Advances</i> ,	3.3	5
76	Stable tin perovskite solar cells enabled by widening the time window for crystallization. <i>Science China Materials</i> , <b>2021</b> , 64, 1849-1857	7.1	5
75	Fabrication of MOFs derivatives assisted perovskite nanocrystal on TiO <sub>2</sub> photoanode for photoelectrochemical glycerol oxidation with simultaneous hydrogen production. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 296, 120382	21.8	5
74	Methodology exploration of specimen preparation for atom probe tomography from nanowires. <i>Ultramicroscopy</i> , <b>2015</b> , 159 Pt 2, 427-31	3.1	4

73	Large anisotropy of magnetic damping in amorphous CoFeB films on GaAs(001). <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 335804	1.8	4
72	Defects induced huge magnetoresistance in epitaxial La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> thin films deposited by magnetic sputtering. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 182405	3-4	4
71	Magnetotransport dependence on the field magnitude and direction in large area epitaxial graphene film on stretchable substrates. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 092405	3-4	4
70	Quantification of graphene based core/shell quantum dots from first principles. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 183102	3-4	4
69	Valence excitations and dopant distribution of Al doped ZnO nanowires analyzed by electron energy loss spectroscopy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 10182-6	1-3	4
68	Antiferromagnetic-coupling-induced magnetoresistance enhancement in Fe <sub>x</sub> (TiO <sub>2</sub> ) <sub>1-x</sub> films. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 232502	3-4	4
67	Ultrasonic-assisted polyaniline-multiwall carbon nanotube photocatalyst for efficient photodegradation of organic pollutants. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 46, 102557	6-7	4
66	Boosting Oxygen Reduction Activity of Manganese Oxide Through Strain Effect Caused By Ion Insertion. <i>Small</i> , <b>2021</b> , e2105201	11	4
65	Uranyl oxide hydrate frameworks with lanthanide ions. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15854-15863	4-3	4
64	[U(HO)] <sub>2</sub> [(UO)O(OH)] <sub>2</sub> [(UO)(HO)] <sub>2</sub> : A Mixed-Valence Uranium Oxide Hydrate Framework. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12166-12175	5-1	4
63	Electrode-induced impurities in tin halide perovskite solar cell material CsSnBr <sub>3</sub> from first principles. <i>Npj Computational Materials</i> , <b>2021</b> , 7,	10-9	4
62	Stable tin perovskite solar cells developed via additive engineering. <i>Science China Materials</i> , <b>2021</b> , 64, 2645-2654	7-1	4
61	Post-imprinting modification based on multilevel mesoporous silica for highly sensitive molecularly imprinted fluorescent sensors. <i>Analyst, The</i> , <b>2019</b> , 144, 6283-6290	5	4
60	Tailoring Inorganic Halide Perovskite Photocatalysts toward Carbon Dioxide Reduction. <i>Solar Rrl</i> , <b>2021</b> , 2101058-1	5-1	4
59	Hydrothermal synthesis, structures and magnetic properties of two new holmium(III) oxalato complexes. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 2040-2051	1.6	3
58	Bridging metal-ion induced vertical growth of MoS <sub>2</sub> and overall fast electron transfer in (C,P)3N4-M (Ni <sup>2+</sup> , Co <sup>2+</sup> )-MoS <sub>2</sub> electrocatalyst for efficient hydrogen evolution reaction. <i>Sustainable Materials and Technologies</i> , <b>2020</b> , 25, e00172	5-3	3
57	Nanostructural Analysis of CMOS-MEMS-Based Digital Microphone for Performance Optimization. <i>IEEE Nanotechnology Magazine</i> , <b>2016</b> , 15, 849-855	2.6	3
56	Artificial 2D Flux Pinning Centers in MgB <sub>2</sub> Induced by Graphitic-Carbon Nitride Coated on Boron for Superconductor Applications. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5399-5408	5.6	3

55	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43781-43788	9.5	3
54	Annealing effects on the structural, magnetic and electrical properties of the nanocrystalline Fe <sub>3</sub> O <sub>4</sub> films. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 215004	3	3
53	Characterization of Nano-Scale Particles in Hot-Rolled, High Strength Low Alloy Steels (HSLA). <i>Materials Science Forum</i> , <b>2007</b> , 561-565, 2083-2086	0.4	3
52	Hydrogen-Anion-Induced Carrier Recombination in MAPbI Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10677-10683	6.4	3
51	Quantifying the nucleation effect of correlated matrix grains in sintered Nd-Fe-B permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 498, 166099	2.8	3
50	Facile Fabrication of Hybrid Perovskite Single-Crystalline Photocathode for Photoelectrochemical Water Splitting. <i>Energy Technology</i> , <b>2021</b> , 9, 2000965	3.5	3
49	Engineering Co Vacancies for Tuning Electrical Properties of p-Type Semiconducting CoO Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 26621-26629	9.5	3
48	Non-destructive analysis on nano-textured surface of the vertical LED for light enhancement. <i>Ultramicroscopy</i> , <b>2019</b> , 196, 1-9	3.1	3
47	Understanding the role of facets and twin defects in the optical performance of GaAs nanowires for laser applications. <i>Nanoscale Horizons</i> , <b>2021</b> , 6, 559-567	10.8	3
46	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene based hybrid electrodes for wearable supercapacitors with varied deformation capabilities. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132232	14.7	3
45	Cobalt and vanadium co-doped FeOOH nanoribbons: an iron-rich electrocatalyst for efficient water oxidation. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6485-6490	7.8	3
44	Magnetoresistance Crossover in Cobalt/Poly(3-hexylthiophene,2,5-diyl) Hybrid Films Due to the Interface Effect. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	2
43	Electric control of exchange bias in Co/FeO <sub>x</sub> bilayer by resistive switching. <i>AIP Advances</i> , <b>2020</b> , 10, 0153065	10.5	2
42	Study of microstructure and magnetotransport properties of CrO <sub>2</sub> prepared under HTHP. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 453, 193-197	2.8	2
41	Magnetic coupling in Mn <sub>3</sub> O <sub>4</sub> -coated $\gamma$ -MnOOH nanowires. <i>Surface Innovations</i> , <b>2018</b> , 6, 250-257	1.9	2
40	Structural, electrical, and magnetic properties of polycrystalline Fe <sub>3-x</sub> P <sub>x</sub> O <sub>4</sub> (0 $\leq$ x $\leq$ 1.0) films. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 073905	2.5	2
39	Direct synthesis and strong cathodoluminescence of Al <sub>2</sub> O <sub>3</sub> nanotubes. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 120, 240-243	4.4	2
38	Coercivity degradation caused by inhomogeneous grain boundaries in sintered Nd-Fe-B permanent magnets. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	2

37	CHAPTER 4:Halide Perovskites With Ambipolar Transport Properties for Transistor Applications. <i>RSC Smart Materials</i> , <b>2020</b> , 41-82	0.6	2
36	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 37840-37848	9.5	2
35	Light-controlled convergence of photogenerated carriers and reactants to boost photocatalytic performance. <i>Journal of Catalysis</i> , <b>2021</b> , 400, 1-9	7.3	2
34	An investigation of LnUO <sub>4</sub> (Ln = Dy and Ho): Structures, microstructures, uranium valences and magnetic properties. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 6000-6009	6	2
33	Ordered Mesoporous Boron Carbon Nitrides with Tunable Mesopore Nanoarchitectonics for Energy Storage and CO Adsorption Properties.. <i>Advanced Science</i> , <b>2022</b> , e2105603	13.6	2
32	Amorphous nonstoichiometric oxides with tunable room-temperature ferromagnetism and electrical transport. <i>Science Bulletin</i> , <b>2020</b> , 65, 1718-1725	10.6	1
31	Effect of Cyclic Thermal Loadings on the Microstructural Evolution of a Cantor Alloy in 3D Printing Processes. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 2568-2569	0.5	1
30	Graphene based dots and antidots: a comparative study from first principles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1251-5	1.3	1
29	Oriental dependence of multiferroic behaviors of La and Mn modified BiFeO <sub>3</sub> thin films <b>2011</b> ,		1
28	Raman Spectroscopy: Alternate Method for Strain and Carbon Substitution Study in MgB <sub>2</sub> . <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2623-2626	1.8	1
27	Microstructural properties of over-doped GaN-based diluted magnetic semiconductors grown by MOCVD. <i>Journal of Semiconductors</i> , <b>2012</b> , 33, 073002	2.3	1
26	Mechanical magnetoresistance in broken cold-pressed CrO <sub>2</sub> powder sample. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 302, 211-215	2.8	1
25	Electronic transport studies on Sb <sub>1-x</sub> (SiO <sub>2</sub> ) <sub>x</sub> films. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 2553-2568		1
24	Characterization of Ni-base Superalloys on the Atomic Scale by Atom Probe Tomography and Spherical-Aberration Corrected Analytical Electron Microscopy Techniques. <i>Microscopy and Microanalysis</i> , <b>2006</b> , 12, 534-535	0.5	1
23	Extraordinary Hall effect in CoxPt <sub>100-x</sub> films. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7424	2.5	1
22	Water-based asymmetric supercapacitors with 2.5 V wide potential and high energy density based on Na <sub>0.6</sub> CoO <sub>2</sub> nanoarray formed via electrochemical oxidation. <i>Carbon</i> , <b>2022</b> , 189, 81-92	10.4	1
21	Effects of Illumination and Ferroelectric Field on Nanoscale Al:ZnO Films: Implications for Nonvolatile Multistage Storage and Photosensor Devices. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6054-6060	5.6	1
20	Phonon localization in single wall carbon nanotube: Combined effect of <sup>13</sup> C isotope and vacancies. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 045108	2.5	1



19	Correlation and Improvement of Bimetallic Electronegativity on Metal-Organic Frameworks for Electrocatalytic Water Oxidation. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100055	1.6	1
18	Quantitative Determination of How Growth Conditions Affect the 3D Composition of InGaAs Nanowires. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 524-531	0.5	1
17	Intragranular glass/crystal conjugated particles in strip cast Nd-Fe-B flakes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 495, 165863	2.8	1
16	Charge Transport Properties of Methylammonium Lead Trihalide Hybrid Perovskite Bulk Single Crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2021</b> , 15, 2000410	2.5	1
15	An ultraviolet self-initiated polymerized platform for specific recognition and elimination of caffeic acid based on the molecular imprinting technology. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 361, 131659	8.5	1
14	Solution-processed perovskite crystals for electronics: Moving forward. <i>Matter</i> , <b>2022</b> , 5, 1700-1733	12.7	1
13	Large coercivity and exchange bias in $[\text{Fe}_x(\text{FeO})_x(\text{TiO}_2)_{1-x}]_n$ granular films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 192403	3.4	0
12	Atomic and Molecular Hydrogen Impurities in Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 1721-1728	3.8	0
11	Hydrothermal Syntheses of Uranium Oxide Hydrate Materials with Sm(III) Ions: pH-Driven Diversities in Structures and Morphologies and Sm-Doped Porous Uranium Oxides Derived from Their Thermal Decompositions. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 13233-13241	5.1	0
10	Towards fluorinated Ruddlesden-Popper perovskites with enhanced physical properties: a study on $(\text{3-FC}_6\text{H}_4\text{CH}_2\text{CH}_2\text{NH}_3)_2\text{PbI}_4$ single crystals. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 4645-4657	7.8	0
9	Design and In Situ Growth of $\text{Cu}_2\text{O}$ -Blended Heterojunction Directed by Energy-Band Engineering: Toward High Photoelectrochemical Performance. <i>Advanced Materials Interfaces</i> , 2101690	4.6	0
8	Tailoring the electrolyte and cathode properties for optimizing the performance of symmetrical solid oxide fuel cells fabricated by one-step co-sintering method. <i>Journal of Asian Ceramic Societies</i> , 1-10	2.4	0
7	Electric-field-mediated magnetic properties of all-oxide $\text{CoFeO}/\text{LaSrMnO}/\text{Pb}(\text{MgNb})\text{TiO}$ heterostructures. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12651-12657	3.6	
6	Room-temperature ferromagnetism induced by Cu vacancies in $\text{Cu}_x(\text{Cu}_2\text{O})_{1-x}$ granular films. <i>Chinese Physics B</i> , <b>2015</b> , 24, 097504	1.2	
5	In vitro studies of cells grown on the superconductor $\text{PrO}(x)\text{FeAs}$ . <i>Micron</i> , <b>2009</b> , 40, 476-9	2.3	
4	The Redistribution and Alignment of Crystalline Flakes in a Bulk Metallic Glass Composite during Thermoplastic Forming. <i>Materials Science Forum</i> , <b>2011</b> , 702-703, 971-974	0.4	
3	Inverse and normal tunneling magnetoresistance effects in $\text{FeCoGd}/\text{FeCo}/\text{AlO}/\text{FeCo}$ multilayers. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 052002	0.3	
2	Atom probe tomography of nanomaterials <b>2022</b> ,		

- 1 Atom probe specimen preparation methods for nanoparticles. *Ultramicroscopy*, **2021**, 233, 113420 3.1