

Quan Li

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273
papers

11,572
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h-index

97
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283
ext. papers

12,437
ext. citations

6.8
avg, IF

6.35
L-index

#	Paper	IF	Citations
273	Fe ₂ O ₃ Nanorings Prepared by a Microwave-Assisted Hydrothermal Process and Their Sensing Properties. <i>Advanced Materials</i> , 2007 , 19, 2324-2329	24	563
272	Plasmonic harvesting of light energy for Suzuki coupling reactions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5588-601	16.4	487
271	Thermal Reduction Route to the Fabrication of Coaxial Zn/ZnO Nanocables and ZnO Nanotubes. <i>Chemistry of Materials</i> , 2003 , 15, 305-308	9.6	286
270	Aligned ZnO/CdTe core-shell nanocable arrays on indium tin oxide: synthesis and photoelectrochemical properties. <i>ACS Nano</i> , 2010 , 4, 3302-8	16.7	264
269	Synthesis of Uniform Hexagonal Prismatic ZnO Whiskers. <i>Chemistry of Materials</i> , 2002 , 14, 1216-1219	9.6	260
268	Ambient Light Reduction Strategy to Synthesize Silver Nanoparticles and Silver-Coated TiO ₂ with Enhanced Photocatalytic and Bactericidal Activities. <i>Langmuir</i> , 2003 , 19, 10372-10380	4	248
267	Red phosphorus: An elemental photocatalyst for hydrogen formation from water. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 409-414	21.8	226
266	Morphosynthesis of a hierarchical MoO ₂ nanoarchitecture as a binder-free anode for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011 , 4, 2870	35.4	225
265	The influence of strain rate on the microstructure transition of 304 stainless steel. <i>Acta Materialia</i> , 2011 , 59, 3697-3709	8.4	197
264	Enhancement of low energy sunlight harvesting in dye-sensitized solar cells using plasmonic gold nanorods. <i>Energy and Environmental Science</i> , 2012 , 5, 9444	35.4	189
263	Controllable drug release and simultaneously carrier decomposition of SiO ₂ -drug composite nanoparticles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5709-16	16.4	187
262	Size-Dependent Periodically Twinned ZnSe Nanowires. <i>Advanced Materials</i> , 2004 , 16, 1436-1440	24	184
261	Highly aligned Cu ₂ O/CuO/TiO ₂ core/shell nanowire arrays as photocathodes for water photoelectrolysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2418-2425	13	181
260	Hydrothermal Synthesis of Rare Earth (Tb, Y) Hydroxide and Oxide Nanotubes. <i>Advanced Functional Materials</i> , 2003 , 13, 955-960	15.6	176
259	From Layered Basic Zinc Acetate Nanobelts to Hierarchical Zinc Oxide Nanostructures and Porous Zinc Oxide Nanobelts. <i>Advanced Functional Materials</i> , 2007 , 17, 296-306	15.6	170
258	Unambiguous observation of shape effects on cellular fate of nanoparticles. <i>Scientific Reports</i> , 2014 , 4, 4495	4.9	165
257	Fabrication of wurtzite ZnS nanobelts via simple thermal evaporation. <i>Applied Physics Letters</i> , 2003 , 83, 359-361	3.4	165

256	Signature of Intrinsic High-Temperature Ferromagnetism in Cobalt-Doped Zinc Oxide Nanocrystals. <i>Advanced Materials</i> , 2006 , 18, 2476-2480	24	163
255	Template-directed synthesis of ordered single-crystalline nanowires arrays of Cu ₂ ZnSnS ₄ and Cu ₂ ZnSnSe ₄ . <i>Journal of the American Chemical Society</i> , 2011 , 133, 10328-31	16.4	139
254	Evidence of intrinsic ferromagnetism in individual dilute magnetic semiconducting nanostructures. <i>Nature Nanotechnology</i> , 2009 , 4, 523-7	28.7	131
253	Synthesis and Characterization of FeFe ₂ O ₃ CoreShell Nanowires and Nanonecklaces. <i>Crystal Growth and Design</i> , 2007 , 7, 459-464	3.5	131
252	Visible-light-driven photocatalytic properties of ZnO/ZnFe ₂ O ₄ core/shell nanocable arrays. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 408-414	21.8	126
251	Transient terahertz conductivity in photoexcited silicon nanocrystal films. <i>Physical Review B</i> , 2006 , 73,	3.3	119
250	Sulphur-impregnated flow cathode to enable high-energy-density lithium flow batteries. <i>Nature Communications</i> , 2015 , 6, 5877	17.4	115
249	Microemulsion-mediated solvothermal synthesis of nanosized CdS-sensitized TiO ₂ crystalline photocatalyst. <i>Chemical Communications</i> , 2003 , 1552	5.8	111
248	Rapid Mass Production of Hierarchically Porous ZnIn ₂ S ₄ Submicrospheres via a Microwave-Solvothermal Process. <i>Crystal Growth and Design</i> , 2007 , 7, 2444-2448	3.5	110
247	Optical and Electrical Performance of SnO ₂ Capped ZnO Nanowire Arrays. <i>Nano Letters</i> , 2007 , 7, 3559-3563	3.5	110
246	Polymeric and ceramic silicon-based coatings a review. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1936-1963	3.3	108
245	A general solution-phase approach to oriented nanostructured films of metal chalcogenides on metal foils: the case of nickel sulfide. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8116-7	16.4	101
244	Revisiting the origin of cycling enhanced capacity of Fe ₃ O ₄ based nanostructured electrode for lithium ion batteries. <i>Nano Energy</i> , 2017 , 41, 426-433	17.1	100
243	Cellular uptake, evolution, and excretion of silica nanoparticles in human cells. <i>Nanoscale</i> , 2011 , 3, 3291-9.7	9.7	98
242	Growth and luminescence of zinc-blende-structured ZnSe nanowires by metal-organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2003 , 83, 5533-5535	3.4	97
241	Structure and photoluminescence of ZnSe nanoribbons grown by metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2004 , 84, 2641-2643	3.4	94
240	Synthesis of Ga ₂ O ₃ Nanowires by Laser Ablation. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 9536-9539	3.4	92
239	Conformational engineering of co-sensitizers to retard back charge transfer for high-efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11553	13	88

238	Critical thickness for transformation of epitaxially stabilized cubic AlN in superlattices. <i>Applied Physics Letters</i> , 2001 , 78, 892-894	3.4	84
237	Hollow multishell structures exercise temporal-spatial ordering and dynamic smart behaviour. <i>Nature Reviews Chemistry</i> , 2020 , 4, 159-168	34.6	83
236	One-step fabrication of uniform Si-core/CdSe-sheath nanocables. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9892-3	16.4	78
235	Low-temperature magnetron sputter-deposition, hardness, and electrical resistivity of amorphous and crystalline alumina thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000 , 18, 2333	2.9	78
234	Rapid endosomal escape of prickly nanodiamonds: implications for gene delivery. <i>Scientific Reports</i> , 2015 , 5, 11661	4.9	77
233	Plasmonic percolation: plasmon-manifested dielectric-to-metal transition. <i>ACS Nano</i> , 2012 , 6, 7162-71	16.7	76
232	Controlled fabrication of SnO(2) arrays of well-aligned nanotubes and nanowires. <i>Nanoscale</i> , 2010 , 2, 2104-8	7.7	73
231	A general in situ hydrothermal rolling-up formation of one-dimensional, single-crystalline lead telluride nanostructures. <i>Small</i> , 2005 , 1, 349-54	11	71
230	High resolution transmission electron microscopy and Raman scattering studies of room temperature ferromagnetic Ni-doped ZnO nanocrystals. <i>Applied Physics Letters</i> , 2007 , 90, 052505	3.4	69
229	Few-layer MoSe ₂ possessing high catalytic activity towards iodide/tri-iodide redox shuttles. <i>Scientific Reports</i> , 2014 , 4, 4063	4.9	66
228	Structure and magnetic properties of Zn _{1-x} CoxO single-crystalline nanorods synthesized by a wet chemical method. <i>Nanotechnology</i> , 2006 , 17, 4312-4316	3.4	66
227	Luminescence of ZnSe nanowires grown by metalorganic vapor phase deposition under different pressures. <i>Journal of Applied Physics</i> , 2004 , 95, 5752-5755	2.5	63
226	Synthesis and characterization of core-shell selenium/carbon colloids and hollow carbon capsules. <i>Chemistry - A European Journal</i> , 2005 , 12, 548-52	4.8	62
225	ZnSe/Bi Bi-coaxial Nanowire Heterostructures. <i>Advanced Functional Materials</i> , 2005 , 15, 1471-1477	15.6	62
224	Shape dependent cytotoxicity of PLGA-PEG nanoparticles on human cells. <i>Scientific Reports</i> , 2017 , 7, 7315	4.9	59
223	Fabrication and Field Emission of High-Density Silicon Cone Arrays. <i>Advanced Materials</i> , 2002 , 14, 1308-1311	11	59
222	Fabrication of Zn/ZnS nanocable heterostructures by thermal reduction/sulfidation. <i>Applied Physics Letters</i> , 2003 , 82, 1398-1400	3.4	58
221	Characterization and optical investigation of BCN film deposited by RF magnetron sputtering. <i>Thin Solid Films</i> , 2001 , 389, 194-199	2.2	56

220	Improving the cycling stability of Sn ₄ P ₃ anode for sodium-ion battery. <i>Journal of Power Sources</i> , 2017 , 364, 420-425	8.9	55
219	Interface control and leakage current conduction mechanism in HfO ₂ film prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , 2008 , 93, 202904	3.4	53
218	Sonochemical Preparation of Nanoporous Composites of Titanium Oxide and Size-Tunable Strontium Titanate Crystals. <i>Langmuir</i> , 2003 , 19, 7673-7675	4	53
217	Effects of particle size and spacing on the optical properties of gold nanocrystals in alumina. <i>Journal of Applied Physics</i> , 2005 , 97, 114303	2.5	52
216	Microwave-assisted synthesis and in-situ self-assembly of coaxial Ag/C nanocables. <i>Chemical Communications</i> , 2005 , 2704-6	5.8	50
215	Peanut-shaped nanoribbon bundle superstructures of malachite and copper oxide. <i>Journal of Crystal Growth</i> , 2004 , 266, 545-551	1.6	50
214	Routes to Grow Well-Aligned Arrays of ZnSe Nanowires and Nanorods. <i>Advanced Materials</i> , 2005 , 17, 1405-1410	24	50
213	Optical and Electrical Properties of Ga-Doped ZnO Nanowire Arrays on Conducting Substrates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8945-8947	3.8	49
212	One-Step Synthesis of High-Coercivity L10-FePtAg Nanoparticles: Effects of Ag on the Morphology and Chemical Ordering of FePt Nanoparticles. <i>Chemistry of Materials</i> , 2013 , 25, 2450-2454	9.6	48
211	Shape-Selective Synthesis and Optical Properties of Highly Ordered One-Dimensional ZnS Nanostructures. <i>Crystal Growth and Design</i> , 2009 , 9, 2214-2219	3.5	48
210	Imperfect oriented attachment: Direct activation of high-temperature ferromagnetism in diluted magnetic semiconductor nanocrystals. <i>Applied Physics Letters</i> , 2006 , 88, 223108	3.4	48
209	Electrophoretic lithium iron phosphate/reduced graphene oxide composite for lithium ion battery cathode application. <i>Journal of Power Sources</i> , 2015 , 284, 236-244	8.9	47
208	Control over large-volume changes of lithium battery anodes via active/inactive metal alloy embedded in porous carbon. <i>Nano Energy</i> , 2015 , 15, 755-765	17.1	46
207	Improving cycle stability of SnS anode for sodium-ion batteries by limiting Sn agglomeration. <i>Journal of Power Sources</i> , 2018 , 377, 1-6	8.9	46
206	CdSe Nanotube Arrays on ITO via Aligned ZnO Nanorods Templating. <i>Chemistry of Materials</i> , 2010 , 22, 64-69	9.6	45
205	CdTe Nanorod Arrays on ITO: From Microstructure to Photoelectrical Property. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16951-16953	3.8	45
204	A self-seeded, surfactant-directed hydrothermal growth of single crystalline lithium manganese oxide nanobelts from the commercial bulky particles. <i>Chemical Communications</i> , 2003 , 2910-1	5.8	45
203	Hybrid nanodiamond quantum sensors enabled by volume phase transitions of hydrogels. <i>Nature Communications</i> , 2018 , 9, 3188	17.4	44

202	The microstructure of SiO thin films: from nanoclusters to nanocrystals. <i>Philosophical Magazine</i> , 2007 , 87, 11-27	1.6	44
201	Local electronic structure and luminescence properties of Er doped ZnO nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 221917	3-4	44
200	Manipulation of the equilibrium between diamond growth and renucleation to form a nanodiamond/amorphous carbon composite. <i>Applied Physics Letters</i> , 2002 , 80, 3307-3309	3-4	43
199	Phase pure Sn ₄ P ₃ nanotops by solution-liquid-solid growth for anode application in sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5791-5796	13	42
198	Size-dependent electronic structures of ZnO nanowires. <i>Applied Physics Letters</i> , 2005 , 86, 201911	3-4	42
197	Excitons and surface luminescence of CdS nanoribbons. <i>Applied Physics Letters</i> , 2004 , 84, 795-797	3-4	42
196	Synthesis and photoelectric properties of Cu ₂ ZnGeS ₄ and Cu ₂ ZnGeSe ₄ single-crystalline nanowire arrays. <i>Langmuir</i> , 2013 , 29, 8713-7	4	41
195	Intra-shell luminescence of transition-metal-implanted zinc oxide nanowires. <i>Nanotechnology</i> , 2009 , 20, 135704	3-4	41
194	Observation of a 2D Electron Gas and the Tuning of the Electrical Conductance of ZnO Nanowires by Controllable Surface Band-Bending. <i>Advanced Functional Materials</i> , 2009 , 19, 2380-2387	15.6	40
193	Loading CdZnS Quantum Dots onto Onion-Like Carbon Nanoparticles to Boost Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22560-22567	9.5	39
192	ZnFe ₂ O ₄ Nanotubes: Microstructure and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 30145-30152	3.8	39
191	Nanoparticle formulated vaccines: opportunities and challenges. <i>Nanoscale</i> , 2020 , 12, 5746-5763	7.7	38
190	Comparison of interfacial and electrical characteristics of HfO ₂ and HfAlO high-k dielectrics on compressively strained Si _{1-x} Ge _x . <i>Applied Physics Letters</i> , 2006 , 88, 182905	3-4	38
189	Engineering three-dimensionally electrodeposited Si-on-Ni inverse opal structure for high volumetric capacity Li-ion microbattery anode. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9842-9	9.5	37
188	Cu ₄ SnP ₁₀ as a promising anode material for sodium ion batteries. <i>Nano Energy</i> , 2017 , 39, 506-512	17.1	37
187	Synthesis and Nanostructuring of Patterned Wires of EGeO ₂ by Thermal Oxidation. <i>Advanced Materials</i> , 2002 , 14, 1396-1399	24	37
186	Crystal Structure of In ₂ O ₃ (ZnO) _m Superlattice Wires and Their Photoluminescence Properties. <i>Crystal Growth and Design</i> , 2009 , 9, 364-367	3.5	36
185	Self-assembled periodical polycrystalline-ZnO/a-C nanolayers on Zn nanowire. <i>Physical Review Letters</i> , 2004 , 92, 186102	7.4	36

184	Genetic variability of human angiotensin-converting enzyme 2 (hACE2) among various ethnic populations. <i>Molecular Genetics & Genomic Medicine</i> , 2020 , 8, e1344	2.3	35
183	Ordered arrays of shape tunable CuInS(2) nanostructures, from nanotubes to nano test tubes and nanowires. <i>Nanoscale</i> , 2010 , 2, 2126-30	7.7	34
182	Electrodeposited three-dimensional Ni-Si nanocable arrays as high performance anodes for lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 10376-83	7.7	33
181	Rare earth doped zinc oxide nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 244-51	1.3	33
180	Zinc/ZnO core-shell hexagonal nanodisk dendrites and their photoluminescence. <i>Acta Materialia</i> , 2007 , 55, 5039-5044	8.4	33
179	Structures of AlN/VN Superlattices with Different AlN Layer Thicknesses. <i>Journal of Materials Research</i> , 2002 , 17, 1224-1231	2.5	33
178	Printable highly catalytic Pt- and TCO-free counter electrode for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2224-9	9.5	32
177	Thickness tunable Cu ₂ ZnSnSe ₄ nanosheets. <i>CrystEngComm</i> , 2011 , 13, 6507	3.3	32
176	Nanostructure. Epitaxial diamond polytypes on silicon. <i>Nature</i> , 2001 , 412, 404	50.4	32
175	Coherent quantum control of nitrogen-vacancy center spins near 1000 kelvin. <i>Nature Communications</i> , 2019 , 10, 1344	17.4	31
174	Visible Light Response of Unintentionally Doped ZnO Nanowire Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16796-16801	3.8	31
173	Unconventional ribbon-shaped beta-Ga ₂ O ₃ tubes with mobile Sn nanowire fillings. <i>ACS Nano</i> , 2008 , 2, 107-12	16.7	31
172	Microstructure and mechanical properties of B ₄ C films deposited by ion beam sputtering. <i>Thin Solid Films</i> , 2007 , 516, 336-339	2.2	31
171	Photoluminescence in the silicon-oxygen system. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006 , 24, 713-717	2.9	31
170	Growth and luminescence of ternary semiconductor ZnCdSe nanowires by metalorganic chemical vapor deposition. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17913-6	3.4	31
169	Structure control of CdS nanobelts and their luminescence properties. <i>Journal of Applied Physics</i> , 2005 , 97, 054303	2.5	31
168	Double loaded self-decomposable SiO ₂ nanoparticles for sustained drug release. <i>Nanoscale</i> , 2015 , 7, 16389-98	7.7	30
167	Controlled Growth of Lead Oxide Nanosheets, Scrolled Nanotubes, and Nanorods. <i>Crystal Growth and Design</i> , 2008 , 8, 3521-3525	3.5	30

166	Surface plasmon enhanced drug efficacy using core-shell Au@SiO ₂ nanoparticle carrier. <i>Nanoscale</i> , 2013 , 5, 3406-11	7.7	29
165	Fabrication of Au nanotube arrays and their plasmonic properties. <i>Nanoscale</i> , 2013 , 5, 3742-6	7.7	29
164	Monolayer Assembly and Fixation of FePt Nanoparticles: Microstructure and Magnetic Properties. <i>Chemistry of Materials</i> , 2009 , 21, 404-409	9.6	29
163	Controlled Fabrication of ZnSe Arrays of Well-Aligned Nanorods, Nanowires, and Nanobelts with a Facile Template-Free Route. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1795-1799	3.8	29
162	Magnetic Criticality Enhanced Hybrid Nanodiamond Thermometer under Ambient Conditions. <i>Physical Review X</i> , 2018 , 8,	9.1	28
161	Stimuli-free programmable drug release for combination chemo-therapy. <i>Nanoscale</i> , 2016 , 8, 12553-9	7.7	28
160	Ultrafast terahertz conductivity of photoexcited nanocrystalline silicon. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 447-452	2.1	28
159	Structure and electrical properties of HfO ₂ high-k films prepared by pulsed laser deposition on Si (100). <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 93, 681-684	2.6	28
158	Photoluminescence of Ag-doped ZnSe nanowires synthesized by metalorganic chemical vapor deposition. <i>Applied Physics Letters</i> , 2005 , 86, 203114	3.4	28
157	Controlling the nucleation environment of cBN films and their related properties. <i>Physical Review B</i> , 2002 , 65,	3.3	28
156	Field-emission properties of multihead silicon cone arrays coated with cesium. <i>Applied Physics Letters</i> , 2002 , 80, 877-879	3.4	28
155	Effects of Y doping on the structural stability and defect properties of cubic HfO ₂ . <i>Journal of Applied Physics</i> , 2008 , 104, 074101	2.5	27
154	A simple route to improve rate performance of LiFePO ₄ /reduced graphene oxide composite cathode by adding Mg ²⁺ via mechanical mixing. <i>Journal of Power Sources</i> , 2017 , 347, 29-36	8.9	25
153	Enhanced Field Emission Performance of Ga-Doped In ₂ O ₃ (ZnO) ₃ Superlattice Nanobelts. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24564-24568	3.8	25
152	Ion beam deposition of fluorinated amorphous carbon. <i>Journal of Applied Physics</i> , 2001 , 90, 4237-4245	2.5	25
151	Amorphous silicoboron carbonitride monoliths resistant to flowing air up to 1800 °C. <i>Corrosion Science</i> , 2016 , 109, 162-173	6.8	24
150	Panchromatic light harvesting by N719 with a porphyrin molecule for high-performance dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3521	7.1	24
149	Study of the crystallinity of ZnO in the Zn/ZnO nanocable heterostructures. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1413		24

148	Ion beam synthesis of amorphous carbon thin films containing metallic nanoclusters. <i>Surface and Coatings Technology</i> , 2002 , 158-159, 114-119	4.4	23
147	Cu nanostructures formed via redox reaction of Zn nanowire and Cu ²⁺ containing solutions. <i>Chemical Physics Letters</i> , 2003 , 375, 525-531	2.5	23
146	Synthesis of Cu ₂ SnS ₃ nanosheets as an anode material for sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 517-520	5.7	22
145	Free Energy Calculation of Nanodiamond-Membrane Association-The Effect of Shape and Surface Functionalization. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2751-8	6.4	22
144	Microphotoluminescence study of individual suspended ZnO nanowires. <i>Applied Physics Letters</i> , 2008 , 92, 113112	3.4	22
143	Epitaxial growth of SrTiO ₃ thin film on Si by laser molecular beam epitaxy. <i>Applied Physics Letters</i> , 2007 , 90, 012902	3.4	22
142	Tuning the composition of ZnFe ₂ O ₄ nanotube arrays: from zinc ferrite ZnFe ₂ O ₄ to hematite Fe ₂ O ₃ . <i>CrystEngComm</i> , 2013 , 15, 8306	3.3	21
141	Anchored but not internalized: shape dependent endocytosis of nanodiamond. <i>Scientific Reports</i> , 2017 , 7, 46462	4.9	21
140	Effect of annealing on the magnetic properties of solution synthesized Zn _{1-x} MnxO nanorods. <i>Materials Chemistry and Physics</i> , 2009 , 113, 884-888	4.4	21
139	Hydrogen Evolution from Pt Nanoparticles Covered p-Type CdS:Cu Photocathode in Scavenger-Free Electrolyte. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2306-2311	3.8	20
138	Analgesia for total knee arthroplasty: a meta-analysis comparing local infiltration and femoral nerve block. <i>Clinics</i> , 2015 , 70, 648-53	2.3	20
137	CoPt/Ag(Cu) nanocomposite films for ultra-high density perpendicular magnetic recording media. <i>Thin Solid Films</i> , 2006 , 505, 77-80	2.2	20
136	Designing nanoparticle carriers for enhanced drug efficacy in photodynamic therapy. <i>Biomaterials Science</i> , 2014 , 2, 827-832	7.4	19
135	A simple route to controllable growth of ZnO nanorod arrays on conducting substrates. <i>CrystEngComm</i> , 2010 , 12, 940-946	3.3	19
134	Energetics and electronic structure of aluminum point defects in HfO ₂ : A first-principles study. <i>Journal of Applied Physics</i> , 2009 , 106, 014104	2.5	19
133	A Facile Surface-Etching Route to Thin Films of Metal Iodides. <i>Crystal Growth and Design</i> , 2007 , 7, 262-267	3.5	19
132	Probing the electronic structure of ZnO nanowires by valence electron energy loss spectroscopy. <i>Micron</i> , 2007 , 38, 346-53	2.3	19
131	Effects of Al addition on the native defects in hafnia. <i>Applied Physics Letters</i> , 2006 , 88, 182903	3.4	19

130	Growth Behavior of Cubic Boron Nitride Films in a Two-Step Process: Changing Bias Voltage, Gas Composition, and Substrate Temperature. <i>Advanced Functional Materials</i> , 2002 , 12, 250	15.6	19
129	Vertically aligned CdTe nanotube arrays on indium tin oxide for visible-light-driven photoelectrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 17-21	21.8	18
128	Melting of metallic electrodes and their flowing through a carbon nanotube channel within a device. <i>Advanced Materials</i> , 2013 , 25, 2693-9	24	18
127	High Energy Density Aqueous Li-Ion Flow Capacitor. <i>Advanced Energy Materials</i> , 2017 , 7, 1601248	21.8	18
126	High-yield synthesis of In ₂ Ga _x O ₃ (ZnO) ₃ nanobelts with a planar superlattice structure. <i>CrystEngComm</i> , 2010 , 12, 2047	3.3	18
125	Synthesis of surface-functionalized t-Se microspheres via a green wet-chemical route. <i>Journal of Materials Chemistry</i> , 2006 , 16, 748-751		18
124	Hybrid nanovaccine for the co-delivery of the mRNA antigen and adjuvant. <i>Nanoscale</i> , 2019 , 11, 21782-21789		18
123	Enhanced Photocatalytic Hydrogen Evolution by Loading CdZnS QDs onto NiP Porous Nanosheets. <i>Nanoscale Research Letters</i> , 2018 , 13, 31	5	17
122	Crystalline Te nanotube and Te nanorods-on-CdTe nanotube arrays on ITO via a ZnO nanorod templating-reaction. <i>CrystEngComm</i> , 2011 , 13, 2955	3.3	17
121	Simultaneous Electrical and Thermoelectric Parameter Retrieval via Two Terminal Current-Voltage Measurements on Individual ZnO Nanowires. <i>Advanced Functional Materials</i> , 2011 , 21, 3900-3906	15.6	16
120	Fabrication of ordered single-crystalline CuInSe ₂ nanowire arrays. <i>CrystEngComm</i> , 2010 , 12, 3882	3.3	16
119	The electron beam irradiation damage on nanomaterials synthesized by hydrothermal and thermal evaporation methods--an example of ZnS nanostructures. <i>Micron</i> , 2011 , 42, 290-8	2.3	16
118	Structure and magnetic properties of FePtB ₄ C multilayer thin films: Role of the compositional elements intermixing. <i>Applied Physics Letters</i> , 2007 , 91, 061920	3.4	16
117	Photoelectric effect and transport properties of a single CdS nanoribbon. <i>Ultramicroscopy</i> , 2005 , 105, 275-280	3.1	16
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