Rong-Ming Wang

List of Publications by Year
in descending order

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255 papers	12,876 citations	20759 60 h-index	28224 105 g-index
263 all docs	263 docs citations	263 times ranked	16231 citing authors

#	Article	IF	Citations
1	Optical properties of the ZnO nanotubes synthesized via vapor phase growth. Applied Physics Letters, 2003, 83, 1689-1691.	1.5	616
2	A Highâ€Rate and Stable Quasiâ€Solidâ€State Zincâ€Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. Advanced Materials, 2018, 30, e1803181.	11.1	571
3	Efficient field emission from ZnO nanoneedle arrays. Applied Physics Letters, 2003, 83, 144-146.	1.5	497
4	A Scalable General Synthetic Approach toward Ultrathin Imine-Linked Two-Dimensional Covalent Organic Framework Nanosheets for Photocatalytic CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 17431-17440.	6.6	418
5	Fiberâ€Based Flexible Allâ€Solidâ€State Asymmetric Supercapacitors for Integrated Photodetecting System. Angewandte Chemie - International Edition, 2014, 53, 1849-1853.	7.2	387
6	Ternary oxide nanostructured materials for supercapacitors: a review. Journal of Materials Chemistry A, 2015, 3, 10158-10173.	5.2	320
7	Atomic layer deposited TiO₂on a nitrogen-doped graphene/sulfur electrode for high performance lithiumâ€“sulfur batteries. Energy and Environmental Science, 2016, 9, 1495-1503.	15.6	320
8	Shape-Controlled Synthesis of Co₂P Nanostructures and Their Application in Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 3892-3900.	4.0	319
9	Flexible coaxial-type fiber supercapacitor based on NiCo2O4 nanosheets electrodes. Nano Energy, 2014, 8, 44-51.	8.2	248
10	Synthesis of large arrays of aligned Î±-Fe2O3 nanowires. Chemical Physics Letters, 2003, 379, 373-379.	1.2	242
11	Synthesis, optical, and magnetic properties of diluted magnetic semiconductor Zn1â^'xMnxO nanowires via vapor phase growth. Applied Physics Letters, 2003, 83, 4020-4022.	1.5	214
12	Low-temperature growth and Raman scattering study of vertically aligned ZnO nanowires on Si substrate. Applied Physics Letters, 2003, 83, 4631-4633.	1.5	194
13	Tip-Enhanced Raman Spectroscopy. Analytical Chemistry, 2016, 88, 9328-9346.	3.2	180
14	Plasmon-exciton coupling of monolayer MoS2-Ag nanoparticles hybrids for surface catalytic reaction. Materials Today Energy, 2017, 5, 72-78.	2.5	169
15	Facile Growth of Caterpillar-like NiCo₂S₄ Nanocrystal Arrays on Nickle Foam for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 18774-18781.	4.0	165
16	Low-temperature growth and properties of ZnO nanowires. Applied Physics Letters, 2004, 84, 4941-4943.	1.5	163
17	Freestanding and Sandwichâ€Structured Electrode Material with High Areal Mass Loading for Longâ€Life Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1602347.	10.2	159
18	Bimetallic nanostructures with magnetic and noble metals and their physicochemical applications. Progress in Natural Science: Materials International, 2013, 23, 113-126.	1.8	143

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19	Green-light-emitting ZnSe nanowires fabricated via vapor phase growth. Applied Physics Letters, 2003, 82, 3330-3332.	1.5	140
20	Ribbon- and Boardlike Nanostructures of Nickel Hydroxide:Â Synthesis, Characterization, and Electrochemical Properties. Journal of Physical Chemistry B, 2005, 109, 7654-7658.	1.2	139
21	An investigation on the microstructure of an AM50 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 355, 201-207.	2.6	131
22	Surfactant-Directed Polypyrrole/CNT Nanocables: Synthesis, Characterization, and Enhanced Electrical Properties. ChemPhysChem, 2004, 5, 998-1002.	1.0	130
23	Interconnected hierarchical NiCo₂O₄ microspheres as high-performance electrode materials for supercapacitors. Dalton Transactions, 2017, 46, 9201-9209.	1.6	128
24	Cationic surfactant directed polyaniline/CNT nanocables: synthesis, characterization, and enhanced electrical properties. Carbon, 2004, 42, 1455-1461.	5.4	126
25	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. Vibrational Spectroscopy, 2006, 40, 47-54.	1.2	126
26	Bicrystalline Hematite Nanowires. Journal of Physical Chemistry B, 2005, 109, 12245-12249.	1.2	123
27	Facile synthesis of AgBr nanoplates with exposed {111} facets and enhanced photocatalytic properties. Chemical Communications, 2012, 48, 275-277.	2.2	123
28	Porous nanotubes of Co3O4: Synthesis, characterization, and magnetic properties. Applied Physics Letters, 2004, 85, 2080-2082.	1.5	122
29	Interfacial electronic structure modulation of Pt-MoS2 heterostructure for enhancing electrocatalytic hydrogen evolution reaction. Nano Energy, 2022, 94, 106913.	8.2	119
30	An efficient ruthenium catalyst for selective hydrogenation of ortho-chloronitrobenzene prepared via assembling ruthenium and tin oxide nanoparticles. Journal of Catalysis, 2004, 222, 493-498.	3.1	113
31	Orientation-Controlled Growth of Single-Crystal Silicon-Nanowire Arrays. Advanced Materials, 2005, 17, 56-61.	11.1	112
32	Uniform Metal Nanotube Arrays by Multistep Template Replication and Electrodeposition. Advanced Materials, 2004, 16, 1550-1553.	11.1	107
33	Magnetic nanochains of metal formed by assembly of small nanoparticles. Chemical Communications, 2004, , 2726.	2.2	106
34	Synthesis, Microstructure, and Growth Mechanism of Dendrite ZnO Nanowires. Journal of Physical Chemistry B, 2003, 107, 8289-8293.	1.2	101
35	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. Journal of Materials Chemistry, 2011, 21, 1730-1735.	6.7	101
36	Facile Synthesis of Monodisperse Mn3O4 Tetragonal Nanoparticles and Their Large-Scale Assembly into Highly Regular Walls by a Simple Solution Route. Small, 2007, 3, 606-610.	5.2	99

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37	Ni/Ni₃C Coreâ€“Shell Nanochains and Its Magnetic Properties: One-Step Synthesis at Low Temperature. Nano Letters, 2008, 8, 1147-1152.	4.5	99
38	Substrate induced changes in atomically thin 2-dimensional semiconductors: Fundamentals, engineering, and applications. Applied Physics Reviews, 2017, 4, 011301.	5.5	97
39	Growth and formation mechanism of c-oriented ZnO nanorod arrays deposited on glass. Journal of Crystal Growth, 2004, 269, 464-471.	0.7	96
40	High-Quality Ultra-Fine GaN Nanowires Synthesized Via Chemical Vapor Deposition. Advanced Materials, 2003, 15, 419-421.	11.1	93
41	Core@shell CoO@Co 3 O 4 nanocrystals assembling mesoporous microspheres for high performance asymmetric supercapacitors. Chemical Engineering Journal, 2017, 327, 100-108.	6.6	93
42	Amplification of Fluorescent Contrast by Photonic Crystals in Optical Storage. Advanced Materials, 2010, 22, 1237-1241.	11.1	91
43	Hollow Co₂P nanoflowers assembled from nanorods for ultralong cycle-life supercapacitors. Nanoscale, 2017, 9, 14162-14171.	2.8	89
44	Synthesis of Nickel Hydroxide Nanoribbons with a New Phase:Â A Solution Chemistry Approach. Journal of Physical Chemistry B, 2004, 108, 7531-7533.	1.2	85
45	Attachment-Driven Morphology Evolvement of Rectangular ZnO Nanowires. Journal of Physical Chemistry B, 2005, 109, 8786-8790.	1.2	85
46	Platinum catalyzed growth of NiPt hollow spheres with an ultrathin shell. Journal of Materials Chemistry, 2011, 21, 1925-1930.	6.7	84
47	Complementary Charge Trapping and Ionic Migration in Resistive Switching of Rare-Earth Manganite TbMnO₃. ACS Applied Materials & Interfaces, 2013, 5, 1213-1217.	4.0	84
48	Fabrication and microstructure analysis on zinc oxide nanotubes. New Journal of Physics, 2003, 5, 115-115.	1.2	83
49	Nanotubular structures of zinc oxide. Solid State Communications, 2004, 129, 671-675.	0.9	83
50	Stability investigation of a high number density Pt₁/Fe₂O₃ single-atom catalyst under different gas environments by HAADF-STEM. Nanotechnology, 2018, 29, 204002.	1.3	83
51	Microsized BiOCl Square Nanosheets as Ultraviolet Photodetectors and Photocatalysts. ACS Applied Materials & Interfaces, 2016, 8, 6662-6668.	4.0	81
52	Optical, photonic and optoelectronic properties of graphene, h-BN and their hybrid materials. Nanophotonics, 2017, 6, 943-976.	2.9	78
53	Extraordinary electrocatalytic performance for formic acid oxidation by the synergistic effect of Pt and Au on carbon black. Nano Energy, 2018, 48, 1-9.	8.2	77
54	Au/Ni12P5 core/shell nanocrystals from bimetallic heterostructures: in situ synthesis, evolution and supercapacitor properties. NPG Asia Materials, 2014, 6, e122-e122.	3.8	76

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55	FePt Icosahedra with Magnetic Cores and Catalytic Shells. Journal of Physical Chemistry C, 2009, 113, 4395-4400.	1.5	74
56	Enhanced Catalytic Activities of NiPt Truncated Octahedral Nanoparticles toward Ethylene Glycol Oxidation and Oxygen Reduction in Alkaline Electrolyte. ACS Applied Materials & Interfaces, 2016, 8, 10841-10849.	4.0	74
57	Microstructures and dislocations in the stressed AZ91D magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 344, 279-287.	2.6	72
58	Large-Scale Synthesis of Uniform Nanotubes of a Nickel Complex by a Solution Chemical Route. Journal of the American Chemical Society, 2004, 126, 4530-4531.	6.6	68
59	Phase formations and magnetic properties of single crystal nickel ferrite (NiFe₂O₄) with different morphologies. CrystEngComm, 2015, 17, 1603-1608.	1.3	67
60	Shape controllable synthesis of ZnO nanorod arrays via vapor phase growth. Solid State Communications, 2004, 129, 803-807.	0.9	58
61	Highly efficient hydrogen production and formaldehyde degradation by Cu2O microcrystals. Applied Catalysis B: Environmental, 2015, 172-173, 1-6.	10.8	58
62	Ni(OH)2@Co(OH)2 hollow nanohexagons: Controllable synthesis, facet-selected competitive growth and capacitance property. Nano Energy, 2014, 5, 52-59.	8.2	56
63	Monodispersed, ultrathin NiPt hollow nanospheres with tunable diameter and composition via a green chemical synthesis. Journal of Materials Chemistry A, 2015, 3, 1031-1036.	5.2	55
64	TEM investigation on the growth mechanism of carbon nanotubes synthesized by hot-filament chemical vapor deposition. Micron, 2004, 35, 455-460.	1.1	53
65	Effect of adsorbates on field-electron emission from ZnO nanoneedle arrays. Journal of Applied Physics, 2004, 96, 624-628.	1.1	50
66	Fluorescence enhancement by heterostructure colloidal photonic crystals with dual stopbands. Journal of Colloid and Interface Science, 2011, 356, 63-68.	5.0	50
67	Tailoring surface phase transition and magnetic behaviors in BiFeO3 via doping engineering. Scientific Reports, 2015, 5, 9128.	1.6	50
68	Atomic-scaled surface engineering Ni-Pt nanoalloys towards enhanced catalytic efficiency for methanol oxidation reaction. Nano Research, 2020, 13, 3088-3097.	5.8	50
69	One-Pot Synthesis of Highly Crystallined Î»-MnO₂ Nanodisks Assembled from Nanoparticles:â€‰ Morphology Evolutions and Phase Transitions. Journal of Physical Chemistry C, 2008, 112, 365-369.	1.5	49
70	Au/Ni12P5 core/shell single-crystal nanoparticles as oxygen evolution reaction catalyst. Nano Research, 2017, 10, 3103-3112.	5.8	48
71	Synergy between Î²-Mo2C Nanorods and Non-thermal Plasma for Selective CO2 Reduction to CO. CheM, 2020, 6, 3312-3328.	5.8	47
72	Synthesis and Electrochemical Properties of Porous Î±-Co(OH) 2 and Co 3 O 4 Microspheres. Progress in Natural Science: Materials International, 2017, 27, 197-202.	1.8	47

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73	Structural stability of icosahedral FePt nanoparticles. Nanoscale, 2009, 1, 276.	2.8	46
74	Tuning oxygen vacancy photoluminescence in monoclinic Y2WO6 by selectively occupying yttrium sites using lanthanum. Scientific Reports, 2015, 5, 9443.	1.6	46
75	Layer-controlled Pt-Ni porous nanobowls with enhanced electrocatalytic performance. Nano Research, 2017, 10, 187-198.	5.8	46
76	Oriented-assembly of hollow FePt nanochains with tunable catalytic and magnetic properties. Nanoscale, 2016, 8, 11432-11440.	2.8	45
77	Atom-Resolved Evidence of Anisotropic Growth in ZnS Nanotetrapods. Nano Letters, 2011, 11, 2983-2988.	4.5	43
78	Well-Aligned CoPt Hollow Nanochains Synthesized in Water at Room Temperature. Journal of Physical Chemistry C, 2012, 116, 5352-5357.	1.5	41
79	Nanostructure Optimization of Platinum-Based Nanomaterials for Catalytic Applications. Nanomaterials, 2018, 8, 949.	1.9	40
80	Microfluidic Synthesis and Characterization of FePtSn/C Catalysts with Enhanced Electro-Catalytic Performance for Direct Methanol Fuel Cells. Electrochimica Acta, 2017, 230, 245-254.	2.6	39
81	Atomic Scale Stability of Tungstenâ€“Cobalt Intermetallic Nanocrystals in Reactive Environment at High Temperature. Journal of the American Chemical Society, 2019, 141, 5871-5879.	6.6	39
82	Magnetic and transport and dielectric properties of polycrystalline TbMnO3. Solid State Communications, 2006, 138, 481-484.	0.9	37
83	Promoting methanol-oxidation-reaction by loading PtNi nano-catalysts on natural graphitic-nano-carbon. Electrochimica Acta, 2020, 353, 136542.	2.6	37
84	Thermal evaporation synthesis of zinc oxide nanowires. Applied Physics A: Materials Science and Processing, 2005, 80, 1527-1530.	1.1	36
85	Ferroelectricity-induced performance enhancement of V-doped ZnO/Si photodetector by direct energy band modulation. Nano Energy, 2019, 65, 104046.	8.2	36
86	Structure design, controllable synthesis, and application of metal-semiconductor heterostructure nanoparticles. Progress in Natural Science: Materials International, 2020, 30, 1-12.	1.8	36
87	Atomic origins of the strong metalâ€“support interaction in silica supported catalysts. Chemical Science, 2021, 12, 12651-12660.	3.7	36
88	Carbon-Involved Near-Surface Evolution of Cobalt Nanocatalysts: An in Situ Study. CCS Chemistry, 2021, 3, 154-167.	4.6	36
89	Photoresponsive Covalent Organic Frameworks with Diarylethene Switch for Tunable Singlet Oxygen Generation. Chemistry of Materials, 2022, 34, 1956-1964.	3.2	35
90	Morphologyâ€“structure diversity of ZnS nanostructures and their optical properties. Rare Metals, 2014, 33, 1-15.	3.6	33

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91	Controlled fabrication, lasing behavior and excitonic recombination dynamics in single crystal CH3NH3PbBr3 perovskite cuboids. Science Bulletin, 2019, 64, 698-704.	4.3	33
92	Nanomagnetic CoPt truncated octahedrons: facile synthesis, superior electrocatalytic activity and stability for methanol oxidation. Science China Materials, 2017, 60, 57-67.	3.5	32
93	Controlled synthesis of monodispersed hematite microcubes and their properties. CrystEngComm, 2011, 13, 7114.	1.3	31
94	In Situ Redox Microfluidic Synthesis of Coreâ€“Shell Nanoparticles and Their Long-Term Stability. Journal of Physical Chemistry C, 2013, 117, 17274-17284.	1.5	31
95	A General Strategy for Nanohybrids Synthesis via Coupled Competitive Reactions Controlled in a Hybrid Process. Scientific Reports, 2015, 5, 9189.	1.6	31
96	Surface and interface engineering of FePt/C nanocatalysts for electro-catalytic methanol oxidation: enhanced activity and durability. Nanoscale, 2017, 9, 4066-4075.	2.8	31
97	Microstructure and interface structure studies of SiCp-reinforced Al (6061) metal-matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 254, 219-226.	2.6	30
98	Effect of rare earth on the microstructures and properties of a low expansion superalloy. Journal of Alloys and Compounds, 2000, 311, 60-64.	2.8	29
99	Defects and growing mechanisms of Î±-Fe2O3 nanowires. Chemical Physics Letters, 2006, 431, 100-103.	1.2	29
100	From ZnS nanoparticles, nanobelts, to nanotetrapods: the ethylenediamine modulated anisotropic growth of ZnS nanostructures. Nanoscale, 2012, 4, 2394.	2.8	29
101	TEM investigations on ZnO nanobelts synthesized via a vapor phase growth. Micron, 2004, 35, 481-487.	1.1	28
102	From ZnS nanobelts to ZnO/ZnS heterostructures: Microscopy analysis and their tunable optical property. Applied Physics Letters, 2010, 97, 041916.	1.5	28
103	Magneto-Plasmons in Periodic Nanoporous Structures. Scientific Reports, 2014, 4, .	1.6	28
104	Probing Evolution of Local Strain at MoS₂-Metal Boundaries by Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2018, 10, 40246-40254.	4.0	28
105	Magnetite hollow spheres: solution synthesis, phase formation and magnetic property. Journal of Nanoparticle Research, 2011, 13, 213-220.	0.8	27
106	Controlled hybridization of Snâ€“SnO₂ nanoparticles via simple-programmed microfluidic processes for tunable ultraviolet and blue emissions. Journal of Materials Chemistry C, 2014, 2, 7687-7694.	2.7	27
107	NiPt hollow nanocatalyst: Green synthesis, size control and electrocatalysis. Progress in Natural Science: Materials International, 2014, 24, 175-178.	1.8	27
108	Highly Efficient Metal-Free Two-Dimensional Luminescent Melem Nanosheets for Bioimaging. ACS Applied Materials & Interfaces, 2020, 12, 2145-2151.	4.0	27

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109	Phase formation, magnetic and optical properties of epitaxially grown icosahedral Au@Ni nanoparticles with ultrathin shells. CrystEngComm, 2013, 15, 2527.	1.3	26
110	Direct observation of epitaxial alignment of Au on MoS2 at atomic resolution. Nano Research, 2019, 12, 947-954.	5.8	26
111	Anisotropy of two-dimensional ReS2 and advances in its device application. Rare Metals, 2021, 40, 3357-3374.	3.6	26
112	Precise synthesis of Feâ€“N2 with N vacancies coordination for boosting electrochemical artificial N2 fixation. Applied Catalysis B: Environmental, 2021, 293, 120216.	10.8	26
113	Controllable synthesis of Ni(OH)₂/Co(OH)₂ hollow nanohexagons wrapped in reduced graphene oxide for supercapacitors. RSC Advances, 2016, 6, 97172-97179.	1.7	25
114	Enhanced photoresponse of TiO2/MoS2 heterostructure phototransistors by the coupling of interface charge transfer and photogating. Nano Research, 2021, 14, 982-991.	5.8	25
115	Single-mode lasing of CsPbBr₃ perovskite NWs enabled by the Vernier effect. Nanoscale, 2021, 13, 4432-4438.	2.8	25
116	In situ tracing of atom migration in Pt/NiPt hollow spheres during catalysis of CO oxidation. Chemical Communications, 2014, 50, 1804.	2.2	24
117	Epitaxy of 2D Materials toward Single Crystals. Advanced Science, 2022, 9, e2105201.	5.6	24
118	Visible light initiated and collapsed resistive switching in TbMnO3/Nb:SrTiO3 heterojunctions. Physical Chemistry Chemical Physics, 2013, 15, 6804.	1.3	23
119	Interface-dependent rectifying TbMnO3-based heterojunctions. AIP Advances, 2011, 1, .	0.6	22
120	From channeled to hollow CoO octahedra: controlled growth, structural evolution and energetic applications. CrystEngComm, 2016, 18, 6849-6859.	1.3	22
121	The dynamics of the peel. Nature Catalysis, 2020, 3, 333-334.	16.1	22
122	Modulating reaction pathways of formic acid oxidation for optimized electrocatalytic performance of PtAu/CoNC. Nano Research, 2022, 15, 1221-1229.	5.8	22
123	Single-molecule field effect and conductance switching driven by electric field and proton transfer. Science Advances, 2022, 8, eabm3541.	4.7	22
124	Antiferromagnetic element Mn modified PtCo truncated octahedral nanoparticles with enhanced activity and durability for direct methanol fuel cells. Nano Research, 2019, 12, 2520-2527.	5.8	21
125	Ultrathin Ni12P5 nanoplates for supercapacitor applications. Journal of Alloys and Compounds, 2019, 782, 545-555.	2.8	21
126	Nanostructured stars of ZnO microcrystals with intense stimulated emission. Applied Physics Letters, 2005, 87, 163103.	1.5	20

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127	Flower-Like Nickel Nanocrystals: Facile Synthesis, Shape Evolution, and Their Magnetic Properties. European Journal of Inorganic Chemistry, 2010, 2010, 2261-2265.	1.0	20
128	Interface control and catalytic performances of Au-NiS heterostructures. Chemical Engineering Journal, 2020, 382, 122794.	6.6	20
129	Morphology/phase-dependent MoS2 nanostructures for high-efficiency electrochemical activity. Journal of Alloys and Compounds, 2020, 818, 152909.	2.8	20
130	Dielectric properties of polycrystalline MgB2. Physica C: Superconductivity and Its Applications, 2006, 442, 29-32.	0.6	19
131	Backward rectifying and forward Schottky behavior at Auâˆ•Nb-1.0wt%-doped SrTiO3 interface. Applied Physics Letters, 2007, 91, 233513.	1.5	19
132	In situ atom-resolved tracing of element diffusion in NiAu nanospindles. Nanoscale, 2013, 5, 5067.	2.8	19
133	Non-symmetric hybrids of noble metal-semiconductor: Interplay of nanoparticles and nanostructures in formation dynamics and plasmonic applications. Progress in Natural Science: Materials International, 2017, 27, 157-168.	1.8	19
134	Fe doped NiS nanosheet arrays grown on carbon fiber paper for a highly efficient electrocatalytic oxygen evolution reaction. Nanoscale Advances, 2022, 4, 1220-1226.	2.2	19
135	Magnetic anisotropy and anomalous transitions in TbMnO₃ thin films. Applied Physics Letters, 2012, 101, 122406.	1.5	18
136	Large-scale synthesis of gold dendritic nanostructures for surface enhanced Raman scattering. CrystEngComm, 2015, 17, 4200-4204.	1.3	18
137	Pdâ€“Zn nanocrystals for highly efficient formic acid oxidation. Catalysis Science and Technology, 2018, 8, 4757-4765.	2.1	18
138	Enhanced OER Performances of Au@NiCo2S4 Core-Shell Heterostructure. Nanomaterials, 2020, 10, 611.	1.9	18
139	Microstructure-dependent dielectric properties of TbMnO3 in Auâˆ•TbMnO3âˆ•YBa2Cu3O7âˆ’x capacitors. Journal of Applied Physics, 2006, 100, 034101.	1.1	17
140	Fast synthesis of uniform mesoporous titania submicrospheres with high tap densities for high-volumetric performance Li-ion batteries. Science China Materials, 2017, 60, 304-314.	3.5	17
141	Structure and Basic Properties of Ternary Metal Oxides and Their Prospects for Application in Supercapacitors. , 2017, , 99-132.		17
142	Direct observation of the hysteretic Fermi level modulation in monolayer MoS2 field effect transistors. Current Applied Physics, 2020, 20, 298-303.	1.1	17
143	Thermodynamic Phase Formation of Morphology and Size Controlled Ni Nanochains by Temperature and Magnetic Field. Journal of Physical Chemistry C, 2010, 114, 7721-7726.	1.5	16
144	A novel non-enzymatic hydrogen peroxide sensor based on Co:ZnO modified electrodes. Progress in Natural Science: Materials International, 2018, 28, 24-27.	1.8	16

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145	Solution phase synthesis of magnesium hydroxide sulfate hydrate nanoribbons. Nanotechnology, 2004, 15, 1625-1627.	1.3	15
146	Boron carbide nanowires with uniform CNxcoatings. New Journal of Physics, 2007, 9, 13-13.	1.2	15
147	Thickness-dependent rectifying behavior in heterojunctions of TbMnO3/Nb-1.0Âwt.%-doped SrTiO3. Thin Solid Films, 2008, 516, 2292-2295.	0.8	15
148	Controlled synthesis of Ni0.25Co0.75(OH)2nanoplates and their electrochemical properties. CrystEngComm, 2015, 17, 4859-4864.	1.3	15
149	Low Pt Alloyed Nanostructures for Fuel Cells Catalysts. Catalysts, 2018, 8, 538.	1.6	15
150	Raman spectra study of p -tert-butylphenoxy-substituted phthalocyanines with different central metal and substitution positions. Vibrational Spectroscopy, 2018, 96, 26-31.	1.2	14
151	Magnetic field modulated SERS enhancement of CoPt hollow nanoparticles with sizes below 10 nm. Nanoscale, 2018, 10, 12650-12656.	2.8	14
152	Catalysis of hydrogen evolution reaction by Ni₁₂P₅ single crystalline nanoplates and spherical nanoparticles. CrystEngComm, 2019, 21, 228-235.	1.3	14
153	High Efficiency and Narrow Emission Band Pure-Red Perovskite Colloidal Quantum Wells. Journal of Physical Chemistry Letters, 2021, 12, 10735-10741.	2.1	14
154	Analytical TEM investigations on boron carbonitride nanotubes grown via chemical vapour deposition. New Journal of Physics, 2004, 6, 78-78.	1.2	13
155	Double-layered NiPt nanobowls with ultrathin shell synthesized in water at room temperature. CrystEngComm, 2012, 14, 5151.	1.3	13
156	Functional chemically modified graphene film: microstructure and electrical transport behavior. Journal Physics D: Applied Physics, 2017, 50, 435101.	1.3	13
157	Morphology-Controlled Synthesis of Hematite Nanocrystals and Their Optical, Magnetic and Electrochemical Performance. Nanomaterials, 2018, 8, 41.	1.9	13
158	Atomic Scale Evolution of Graphitic Shells Growth via Pyrolysis of Cobalt Phthalocyanine. Advanced Materials Interfaces, 2020, 7, 2001112.	1.9	13
159	In-situ transmission electron microscopy for probing the dynamic processes in materials. Journal Physics D: Applied Physics, 2021, 54, 443002.	1.3	13
160	Atomâ€Resolved Investigation on Dynamic Nucleation and Growth of Platinum Nanocrystals. Small Methods, 2022, 6, e2200171.	4.6	13
161	Magnetism in undoped ZnS nanotetrapods. Physical Chemistry Chemical Physics, 2013, 15, 2405.	1.3	12
162	Magnetic properties of Î±-Fe2O3 nanopallets. Rare Metals, 2019, 38, 14-19.	3.6	12

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163	Evolution of local strain in Ag-deposited monolayer MoS₂ modulated by interface interactions. Nanoscale, 2019, 11, 22432-22439.	2.8	12
164	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. Polyhedron, 2006, 25, 1195-1203.	1.0	11
165	Single-crystal MgB2 hexagonal microprisms via hybrid physical-chemical vapor deposition. CrystEngComm, 2011, 13, 3959.	1.3	11
166	Tuning giant anomalous Hall resistance ratio in perpendicular Hall balance. Applied Physics Letters, 2015, 106, 152401.	1.5	11
167	Porous Ptâ€“NiO_x nanostructures with ultrasmall building blocks and enhanced electrocatalytic activity for the ethanol oxidation reaction. RSC Advances, 2018, 8, 698-705.	1.7	11
168	Wavelength tunable single-mode lasing from cesium lead halide perovskite microwires. Applied Physics Letters, 2021, 118, .	1.5	11
169	Co2P nanostructures by thermal decomposition: phase formation and magnetic properties. CrystEngComm, 2012, 14, 1197-1200.	1.3	10
170	Preparation and properties of tungsten-doped indium oxide thin films. Rare Metals, 2012, 31, 158-163.	3.6	10
171	Phase formations, magnetic and catalytic properties of Co3O4 hexagonal micro-boxes with one-dimensional nanotubes. CrystEngComm, 2013, 15, 3587.	1.3	10
172	Giant enhancement and anomalous temperature dependence of magnetism in monodispersed NiPt2 nanoparticles. Nano Research, 2017, 10, 3238-3247.	5.8	10
173	Controlled growth of Au/Ni bimetallic nanocrystals with different nanostructures. Rare Metals, 2017, 36, 229-235.	3.6	10
174	Planar Fully Stretchable Lithium-Ion Batteries Based on a Lamellar Conductive Elastomer. ACS Applied Materials & Interfaces, 2020, 12, 53774-53780.	4.0	10
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