Ning Wang

List of Publications by Year
in descending order

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333 papers	19,699 citations	11651 70 h-index	13771 129 g-index
336 all docs	336 docs citations	336 times ranked	19957 citing authors

#	Article	IF	Citations
1	Defect-rich graphene stabilized atomically dispersed Cu3 clusters with enhanced oxidase-like activity for antibacterial applications. Applied Catalysis B: Environmental, 2022, 301, 120826.	20.2	51
2	Antisintering Pd₁ Catalyst for Propane Direct Dehydrogenation with In Situ Active Sites Regeneration Ability. ACS Catalysis, 2022, 12, 2244-2252.	11.2	23
3	Few-Atom Pt Ensembles Enable Efficient Catalytic Cyclohexane Dehydrogenation for Hydrogen Production. Journal of the American Chemical Society, 2022, 144, 3535-3542.	13.7	72
4	A Magnetically Separable Pd Singleâ€Atom Catalyst for Efficient Selective Hydrogenation of Phenylacetylene. Advanced Materials, 2022, 34, e2110455.	21.0	44
5	Bridging the gap between atomically thin semiconductors and metal leads. Nature Communications, 2022, 13, 1777.	12.8	17
6	Insight into the Activity of Atomically Dispersed Cu Catalysts for Semihydrogenation of Acetylene: Impact of Coordination Environments. ACS Catalysis, 2022, 12, 48-57.	11.2	23
7	Subâ€Nanometer Electron Beam Phase Patterning in 2D Materials. Advanced Science, 2022, 9, .	11.2	11
8	Observation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Î“</mml:mi></mml:mrow></mml:math> -Valley MoirÃ© Bands and Emergent Hexagonal Lattice in Twisted Transition Metal Dichalcogenides. Physical Review X, 2022, 12, .	8.9	18
9	Fully-exposed Pt clusters stabilized on Sn-decorated nanodiamond/graphene hybrid support for efficient ethylbenzene direct dehydrogenation. Nano Research, 2022, 15, 10029-10036.	10.4	7
10	A Tunable Resonant Circuit Based on Graphene Quantum Capacitor. Advanced Electronic Materials, 2021, 7, 2001009.	5.1	1
11	Layer-dependent interface reconstruction and strain modulation in twisted WSe₂. Nanoscale, 2021, 13, 13624-13630.	5.6	8
12	Constructing Anhydrous Proton Conductive Aramid Membranes through Grafting Kevlar Micro-fibrils with Phosphoric Acid. Fibers and Polymers, 2021, 22, 1502-1510.	2.1	7
13	Strained Epitaxy of Monolayer Transition Metal Dichalcogenides for Wrinkle Arrays. ACS Nano, 2021, 15, 6633-6644.	14.6	37
14	Strain engineering of epitaxial oxide heterostructures beyond substrate limitations. Matter, 2021, 4, 1323-1334.	10.0	21
15	Regulating coordination number in atomically dispersed Pt species on defect-rich graphene for n-butane dehydrogenation reaction. Nature Communications, 2021, 12, 2664.	12.8	111
16	Phase management in single-crystalline vanadium dioxide beams. Nature Communications, 2021, 12, 4214.	12.8	31
17	In-Situ Transmission Electron Microscopy: Electron Beam Effects in Carbon-based Nanomaterials. Microscopy and Microanalysis, 2021, 27, 2110-2113.	0.4	2
18	Cooperative Sites in Fully Exposed Pd Clusters for Low-Temperature Direct Dehydrogenation Reaction. ACS Catalysis, 2021, 11, 11469-11477.	11.2	51

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19	Lattice reconstruction induced multiple ultra-flat bands in twisted bilayer WSe2. Nature Communications, 2021, 12, 5601.	12.8	48
20	In situ atomic-scale studies of thermal stability and surface reconstruction of ZnO nanowires based Pd nanocatalysts. Materials and Design, 2021, 209, 109947.	7.0	6
21	Towards a library of atomically dispersed catalysts. Materials and Design, 2021, 210, 110080.	7.0	6
22	Tuning the selectivity of catalytic nitriles hydrogenation by structure regulation in atomically dispersed Pd catalysts. Nature Communications, 2021, 12, 6194.	12.8	51
23	Probing 2D magnetism through electronic tunneling transport. Materials and Design, 2021, 212, 110235.	7.0	2
24	Metal-insulator transitions in bilayer electron-hole systems in transition metal dichalcogenides. Physical Review B, 2021, 104, .	3.2	3
25	Thermal stability, ripening dynamics and coalescing microstructures of reduced graphene oxide-based platinum nanocatalysts: An in-situ TEM study. Diamond and Related Materials, 2021, 120, 108690.	3.9	6
26	Ti1â€“graphene single-atom material for improved energy level alignment in perovskite solar cells. Nature Energy, 2021, 6, 1154-1163.	39.5	72
27	Large-Size Superlattices Synthesized by Sequential Sulfur Substitution-Induced Transformation of Metastable MoTe₂. Chemistry of Materials, 2021, 33, 9760-9768.	6.7	5
28	Impact of Nanoscale Roughness on Heat Transport across the Solidâ€“Solid Interface. Advanced Materials Interfaces, 2020, 7, 1901582.	3.7	24
29	The Mobile and Pinned Grain Boundaries in 2D Monoclinic Rhenium Disulfide. Advanced Science, 2020, 7, 2001742.	11.2	15
30	Revealing high temperature stability of platinum nanocatalysts deposited on graphene oxide by in-situ TEM. Materials Characterization, 2020, 170, 110706.	4.4	5
31	Interaction effects and superconductivity signatures in twisted double-bilayer WSe₂. Nanoscale Horizons, 2020, 5, 1309-1316.	8.0	68
32	Ohmic contacts for atomically-thin transition metal dichalcogenide semiconductors. Journal of Semiconductors, 2020, 41, 070401.	3.7	4
33	Anomalous fracture in two-dimensional rhenium disulfide. Science Advances, 2020, 6, .	10.3	18
34	Controlled growth of atomically thin transition metal dichalcogenides via chemical vapor deposition method. Materials Today Advances, 2020, 8, 100098.	5.2	28
35	Enhancing proton conductivity of phosphoric acidâ€doped Kevlar nanofibers membranes by incorporating polyacrylamide and <scp>1â€butylâ€3â€methylimidazolium</scp> chloride. International Journal of Energy Research, 2020, 44, 11772-11782.	4.5	4
36	Low-temperature wafer-scale fabrication of vertical VO2 nanowire arrays. Applied Physics Letters, 2020, 117, .	3.3	7

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37	Quantum exciton solid in bilayer two-dimensional electron-hole systems. Physical Review B, 2020, 102, .	3.2	6
38	Resolving Nanostructured Materials Down to the Single-atom Limit. Microscopy and Microanalysis, 2020, 26, 1756-1758.	0.4	0
39	Multistimuliâ€Responsive Insectâ€Scale Soft Robotics Based on Anisotropic Superâ€Aligned VO₂ Nanowire/Carbon Nanotube Bimorph Actuators. Advanced Intelligent Systems, 2020, 2, 2000051.	6.1	14
40	Oxide Inhibitor-Assisted Growth of Single-Layer Molybdenum Dichalcogenides (MoX₂, X =) Tj ETQq0 0 0 rgBT /Overlock 10	14.6	30
41	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	13.8	221
42	Multiple Regulation over Growth Direction, Band Structure, and Dimension of Monolayer WS₂ by a Quartz Substrate. Chemistry of Materials, 2020, 32, 2508-2517.	6.7	21
43	Revealing Atomic Structure and Oxidation States of Dopants in Charge-Ordered Nanoparticles for Migration-Promoted Oxygen-Exchange Capacity. Chemistry of Materials, 2019, 31, 5769-5777.	6.7	10
44	Free-Molecular-Flow Modulated Synthesis of Hexagonal Boron Nitride Monolayers. Crystal Growth and Design, 2019, 19, 7007-7014.	3.0	10
45	Lattice Expansion in Optimally Doped Manganese Oxide: An Effective Structural Parameter for Enhanced Thermochemical Water Splitting. ACS Catalysis, 2019, 9, 9880-9890.	11.2	29
46	Anchoring Cu1 species over nanodiamond-graphene for semi-hydrogenation of acetylene. Nature Communications, 2019, 10, 4431.	12.8	224
47	Electrically tunable physical properties of two-dimensional materials. Nano Today, 2019, 27, 99-119.	11.9	35
48	Effects of Hexagonal Boron Nitride Encapsulation on the Electronic Structure of Few-Layer MoS₂. Journal of Physical Chemistry C, 2019, 123, 14797-14802.	3.1	42
49	Singleâ€Crystalline Vanadium Dioxide Actuators. Advanced Functional Materials, 2019, 29, 1900527.	14.9	37
50	Tin-Assisted Fully Exposed Platinum Clusters Stabilized on Defect-Rich Graphene for Dehydrogenation Reaction. ACS Catalysis, 2019, 9, 5998-6005.	11.2	150
51	Induced Ising spin-orbit interaction in metallic thin films on monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	8
52	Enhanced Gate Reliability in GaN MIS-FETs by Converting the GaN Channel into Crystalline Gallium Oxynitride. ACS Applied Electronic Materials, 2019, 1, 642-648.	4.3	10
53	Recent advances in fabrication strategies, phase transition modulation, and advanced applications of vanadium dioxide. Applied Physics Reviews, 2019, 6, .	11.3	93
54	Controllable defect driven symmetry change and domain structure evolution in BiFeO₃with enhanced tetragonality. Nanoscale, 2019, 11, 8110-8118.	5.6	22

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55	Intrinsic valley Hall transport in atomically thin MoS2. Nature Communications, 2019, 10, 611.	12.8	77
56	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS₂. Nano Letters, 2019, 19, 1736-1742.	9.1	35
57	Atomic-scale identification of crystalline GaON nanophase for enhanced GaN MIS-FET channel. Applied Physics Letters, 2019, 114, .	3.3	16
58	An Ultralight Graphene Honeycomb Sandwich for Stretchable Lightâ€Emitting Displays. Advanced Functional Materials, 2018, 28, 1707043.	14.9	61
59	Investigation of the two-gap superconductivity in a few-layer NbSe2 -graphene heterojunction. Physical Review B, 2018, 97, .	3.2	11
60	Deep Eutectic Solvent-Assisted Preparation of Nitrogen/Chloride-Doped Carbon Dots for Intracellular Biological Sensing and Live Cell Imaging. ACS Applied Materials & Interfaces, 2018, 10, 7901-7909.	8.0	91
61	Twin Defect Derived Growth of Atomically Thin MoS₂ Dendrites. ACS Nano, 2018, 12, 635-643.	14.6	92
62	3D heterostructured pure and N-Doped Ni3S2/VS2 nanosheets for high efficient overall water splitting. Electrochimica Acta, 2018, 269, 55-61.	5.2	132
63	Nanodiamondâ€Coreâ€Reinforced, Grapheneâ€Shellâ€Immobilized Platinum Nanoparticles as a Highly Active Catalyst for the Lowâ€Temperature Dehydrogenation of nâ€Butane. ChemCatChem, 2018, 10, 520-524.	3.7	15
64	Gate-tunable strong-weak localization transition in few-layer black phosphorus. Nanotechnology, 2018, 29, 035204.	2.6	10
65	Atomically Dispersed Pd on Nanodiamond/Graphene Hybrid for Selective Hydrogenation of Acetylene. Journal of the American Chemical Society, 2018, 140, 13142-13146.	13.7	342
66	Vanadium disulfide decorated graphitic carbon nitride for super-efficient solar-driven hydrogen evolution. Applied Catalysis B: Environmental, 2018, 237, 295-301.	20.2	89
67	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. Journal of Applied Physics, 2018, 123, 244302.	2.5	2
68	Probing pH variation in living cells and assaying hemoglobin in blood with nitrogen enriched carbon dots. Talanta, 2018, 188, 788-794.	5.5	15
69	Thermochromic VO2 for Energy-Efficient Smart Windows. Joule, 2018, 2, 1707-1746.	24.0	536
70	Chemically specific termination control of oxide interfaces via layer-by-layer mean inner potential engineering. Nature Communications, 2018, 9, 2965.	12.8	34
71	Dual Functional Coreâ€“Shell Fluorescent Ag₂S@Carbon Nanostructure for Selective Assay of E. coli O157:H7 and Bactericidal Treatment. ACS Sensors, 2017, 2, 371-378.	7.8	19
72	Odd-Integer Quantum Hall States and Giant Spin Susceptibility in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Type Few-Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></ Physical Review Letters, 2017, 118, 067702.	7.8	37

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73	Normally-Off LPCVD-SiN<italic> _x </italic>/GaN MIS-FET With Crystalline Oxidation Interlayer. IEEE Electron Device Letters, 2017, 38, 929-932.	3.9	67
74	Shape-Dependent Defect Structures of Monolayer MoS₂ Crystals Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 763-770.	8.0	45
75	Isolation and Characterization of Few-Layer Manganese Thiophosphite. ACS Nano, 2017, 11, 11330-11336.	14.6	98
76	Axial Modulation of Metalâ€“Insulator Phase Transition of VO₂ Nanowires by Graded Doping Engineering for Optically Readable Thermometers. Journal of Physical Chemistry C, 2017, 121, 24877-24885.	3.1	31
77	Dual-signal model array sensor based on GQDs/AuNPs system for sensitive protein discrimination. Analytica Chimica Acta, 2017, 992, 105-111.	5.4	19
78	Observation of A1g Raman mode splitting in few layer black phosphorus encapsulated with hexagonal boron nitride. Nanoscale, 2017, 9, 19298-19303.	5.6	9
79	Ambipolar quantum transport in few-layer black phosphorus. Physical Review B, 2017, 96, .	3.2	26
80	Achieving Ultrahigh Carrier Mobility in Two-Dimensional Hole Gas of Black Phosphorus. Nano Letters, 2016, 16, 7768-7773.	9.1	242
81	Three Dimensional Sculpturing of Vertical Nanowire Arrays by Conventional Photolithography. Scientific Reports, 2016, 6, 18886.	3.3	7
82	Charge density wave phase transition on the surface of electrostatically doped multilayer graphene. Applied Physics Letters, 2016, 109, .	3.3	4
83	Y-shaped ZnO Nanobelts Driven from Twinned Dislocations. Scientific Reports, 2016, 6, 22494.	3.3	10
84	Probing the electronic states and impurity effects in black phosphorus vertical heterostructures. 2D Materials, 2016, 3, 015012.	4.4	16
85	Lead-induced stress corrosion cracking behavior of mechanically surface-treated alloy 690. Materials Research Letters, 2016, 4, 180-184.	8.7	5
86	One step preparation of proton-functionalized photoluminescent graphitic carbon nitride and its sensing applications. RSC Advances, 2016, 6, 98893-98898.	3.6	19
87	Negative compressibility in graphene-terminated black phosphorus heterostructures. Physical Review B, 2016, 93, .	3.2	10
88	V2O5-C-SnO2 Hybrid Nanobelts as High Performance Anodes for Lithium-ion Batteries. Scientific Reports, 2016, 6, 33597.	3.3	31
89	Evenâ€“odd layer-dependent magnetotransport of high-mobility Q-valley electrons in transition metal disulfides. Nature Communications, 2016, 7, 12955.	12.8	82
90	Universal low-temperature Ohmic contacts for quantum transport in transition metal dichalcogenides. 2D Materials, 2016, 3, 021007.	4.4	102

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91	Type-controlled nanodevices based on encapsulated few-layer black phosphorus for quantum transport. 2D Materials, 2016, 3, 031001.	4.4	19
92	A fast transfer-free synthesis of high-quality monolayer graphene on insulating substrates by a simple rapid thermal treatment. Nanoscale, 2016, 8, 2594-2600.	5.6	20
93	Detection of interlayer interaction in few-layer graphene. Physical Review B, 2015, 92, .	3.2	22
94	Directly Metering Light Absorption and Heat Transfer in Single Nanowires Using Metalâ€“Insulator Transition in VO₂. Advanced Optical Materials, 2015, 3, 336-341.	7.3	21
95	Probing the electron states and metal-insulator transition mechanisms in molybdenum disulphide vertical heterostructures. Nature Communications, 2015, 6, 6088.	12.8	181
96	Hierarchical ZnO Nanostructures with Blooming Flowers Driven by Screw Dislocations. Scientific Reports, 2015, 5, 8226.	3.3	14
97	Molecular-beam epitaxy of monolayer MoSe₂: growth characteristics and domain boundary formation. New Journal of Physics, 2015, 17, 053023.	2.9	80
98	Probing Defectâ€Induced Midgap States in MoS₂ Through Grapheneâ€“MoS₂ Heterostructures. Advanced Materials Interfaces, 2015, 2, 1500064.	3.7	17
99	van der Waals Epitaxial Growth of Atomically Thin Bi₂Se₃ and Thickness-Dependent Topological Phase Transition. Nano Letters, 2015, 15, 2645-2651.	9.1	54
100	High-quality sandwiched black phosphorus heterostructure and its quantum oscillations. Nature Communications, 2015, 6, 7315.	12.8	423
101	Side-gate modulation effects on high-quality BN-Graphene-BN nanoribbon capacitors. Applied Physics Letters, 2014, 105, .	3.3	7
102	A green route and rational design for ZnO-based high-efficiency photovoltaics. Nanoscale, 2014, 6, 5093.	5.6	7
103	Detection of resonant impurities in graphene by quantum capacitance measurement. Physical Review B, 2014, 89, .	3.2	18
104	From marine plants to photovoltaic devices. Energy and Environmental Science, 2014, 7, 343-346.	30.8	21
105	Interlaced W₁₈O₄₉ nanofibers as a superior catalyst for the counter electrode of highly efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 4347-4354.	10.3	58
106	Benzothiadiazole[1,2-b:4,3-bâ€²]dithiophene, a new ladder-type multifused block: Synthesis and photovoltaic application. Organic Electronics, 2014, 15, 3601-3608.	2.6	16
107	Semimetallic-to-metallic transition and mobility enhancement enabled by reversible iodine doping of graphene. Nanoscale, 2014, 6, 13196-13202.	5.6	26
108	Dense Network of One-Dimensional Midgap Metallic Modes in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Their Spatial Undulations. Physical Review Letters, 2014, 113, 066105.	7.8	172

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109	Preparation of Palladium Catalysts Supported on Carbon Nanotubes by an Electrostatic Adsorption Method. ChemCatChem, 2014, 6, 2600-2606.	3.7	33
110	Palladium Nanoparticles Embedded in the Inner Surfaces of Carbon Nanotubes: Synthesis, Catalytic Activity, and Sinter Resistance. Angewandte Chemie - International Edition, 2014, 53, 12634-12638.	13.8	76
111	Reduction of nitrobenzene catalyzed by carbon materials. Chinese Journal of Catalysis, 2014, 35, 914-921.	14.0	48
112	Enhanced photocatalytic performance of TiO2-ZnO hybrid nanostructures. Scientific Reports, 2014, 4, 4181.	3.3	248
113	Negative compressibility observed in graphene containing resonant impurities. Applied Physics Letters, 2013, 102, .	3.3	9
114	Tuning the optical and electrical properties of hydrothermally grown ZnO nanowires by sealed post annealing treatment. Solid State Communications, 2013, 160, 41-46.	1.9	12
115	Ultrarapid Sonochemical Synthesis of ZnO Hierarchical Structures: From Fundamental Research to High Efficiencies up to 6.42% for Quasi-Solid Dye-Sensitized Solar Cells. Chemistry of Materials, 2013, 25, 1000-1012.	6.7	124
116	Electron-electron interactions in monolayer graphene quantum capacitors. Nano Research, 2013, 6, 619-626.	10.4	17
117	Large-scale Mesoscopic Transport in Nanostructured Graphene. Physical Review Letters, 2013, 110, 066805.	7.8	24
118	Cost-effective and morphology-controllable niobium diselenides for highly efficient counter electrodes of dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 11874.	10.3	52
119	Asymmetric ZnO Panelâ€Like Hierarchical Architectures with Highly Interconnected Pathways for Freeâ€Electron Transport and Photovoltaic Improvements. Chemistry - A European Journal, 2013, 19, 282-287.	3.3	25
120	Oxygenâ€Assisted Charge Transfer Between ZnO Quantum Dots and Graphene. Small, 2013, 9, 3031-3036.	10.0	174
121	Solidâ€State Synthesis of ZnO Nanostructures for Quasiâ€Solid Dyeâ€Sensitized Solar Cells with High Efficiencies up to 6.46%. Advanced Materials, 2013, 25, 4413-4419.	21.0	72
122	Modification of electronic properties of top-gated graphene devices by ultrathin yttrium-oxide dielectric layers. Nanoscale, 2013, 5, 1116-1120.	5.6	18
123	Luminescence enhancement of ZnO-core/a-SiN_x:H-shell nanorod arrays. Optics Express, 2013, 21, 5891.	3.4	5
124	Niâ€“NTA-COATED NANOWIRE MATERIALS FOR PROTEIN ENRICHMENT AND THE APPLICATION IN A MEDICAL DEVICE USED FOR BLOOD GLUCOSE DEGRADATION. Nano, 2013, 08, 1350029.	1.0	3
125	Density of States and Its Local Fluctuations Determined by Capacitance of Strongly Disordered Graphene. Scientific Reports, 2013, 3, .	3.3	20
126	Negative Quantum Capacitance Induced by Midgap States in Single-layer Graphene. Scientific Reports, 2013, 3, 2041.	3.3	18

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127	Correlation between the Morphology and Performance Enhancement of ZnO Hierarchical Flower Photoanodes in Quasi-Solid Dye-Sensitized Solar Cells. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	3
128	Effective control of photoluminescence from ZnO nanowires by a-SiN_x:H decoration. Optics Letters, 2012, 37, 211.	3.3	3
129	Piezotronic Effects on the Optical Properties of ZnO Nanowires. Nano Letters, 2012, 12, 5802-5807.	9.1	73
130	Electron-Beam-Induced Elasticâ€“Plastic Transition in Si Nanowires. Nano Letters, 2012, 12, 2379-2385.	9.1	63
131	Triple-period partial misfit dislocations at the InN/GaN (0001) interface: A new dislocation core structure for III-N materials. Surface Science, 2012, 606, 1728-1738.	1.9	4
132	Superconductivity in Bundles of Double-Wall Carbon Nanotubes. Scientific Reports, 2012, 2, 625.	3.3	43
133	Optimizing nanosheet-based ZnO hierarchical structure through ultrasonic-assisted precipitation for remarkable photovoltaic enhancement in quasi-solid dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 13097.	6.7	48
134	ZnO hierarchical structures for efficient quasi-solid dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2011, 13, 10631.	2.8	39
135	Maximum efficiency of the electro-osmotic pump. Physical Review E, 2011, 83, 066303.	2.1	7
136	Zn₂TiO₄â^'ZnO Nanowire Axial Heterostructures Formed by Unilateral Diffusion. Journal of Physical Chemistry C, 2011, 115, 78-82.	3.1	18
137	Controllable Fabrication of Three-Dimensional Radial ZnO Nanowire/Silicon Microrod Hybrid Architectures. Crystal Growth and Design, 2011, 11, 147-153.	3.0	52
138	Graphene Magnetoresistance Device in van der Pauw Geometry. Nano Letters, 2011, 11, 2973-2977.	9.1	45
139	Superlattices of Bi2Se3/In2Se3: Growth characteristics and structural properties. Applied Physics Letters, 2011, 99, .	3.3	42
140	Modifying electronic transport properties of graphene by electron beam irradiation. Applied Physics Letters, 2011, 99, 033109.	3.3	31
141	Carbon-assisted nucleation and vertical growth of high-quality ZnO nanowire arrays. AIP Advances, 2011, 1, 032104.	1.3	8
142	Fabrication and Structure Characterization of Te Butterfly Nanostructures. Journal of Nanoscience and Nanotechnology, 2011, 11, 11037-11040.	0.9	0
143	Three-Mode Behavior of Spin-Transfer Vortex Oscillators With Dynamic Polarizer. IEEE Transactions on Magnetics, 2011, 47, 3704-3707.	2.1	1
144	A self-entanglement mechanism for continuous pulling of carbon nanotube yarns. Carbon, 2011, 49, 4996-5001.	10.3	39

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145	Digital flow control of electroosmotic pump: Onsager coefficients and interfacial parameters determination. Solid State Communications, 2011, 151, 440-445.	1.9	9
146	Growth of multilayers of Bi2Se3/ZnSe: Heteroepitaxial interface formation and strain. Applied Physics Letters, 2011, 98, 043104.	3.3	29
147	Electron localization in metal-decorated graphene. Physical Review B, 2011, 84, .	3.2	36
148	Nitrogen deep accepters in ZnO nanowires induced by ammonia plasma. Applied Physics Letters, 2011, 99, .	3.3	16
149	Observation of the Meissner state in superconducting arrays of 4-Ã… carbon nanotubes. Physical Review B, 2011, 83, .	3.2	6
150	Effect of the starting surfaces of GaN on defect formation in epitaxial Co thin films. Journal of Applied Physics, 2011, 110, 093501.	2.5	3
151	Tailoring the luminescence emission of ZnO nanostructures by hydrothermal post-treatment in water. Applied Physics Letters, 2010, 96, 223105.	3.3	35
152	MBE-Grown IIâ€“VI and Related Nanostructures. Journal of Electronic Materials, 2010, 39, 882-892.	2.2	1
153	Structure and Metalâ€toâ€Insulator Transition of VO₂ Nanowires Grown on Sapphire Substrates. European Journal of Inorganic Chemistry, 2010, 2010, 4332-4338.	2.0	14
154	HRTEM Study of the Mineral Phases in Human Cortical Bone. Advanced Engineering Materials, 2010, 12, B552.	3.5	10
155	1D goes 2D: A Berezinskiiâ€“Kosterlitzâ€“Thouless transition in superconducting arrays of 4â€Angstrom carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2968-2973.	1.5	2
156	Molecular-beam epitaxy of AlInN: An effect of source flux and temperature on indium atom incorporation in alloys. Journal of Applied Physics, 2010, 108, 033503.	2.5	6
157	Carbon-assisted growth technology for ZnO nanowires. , 2010, , .		1
158	Superconducting resistive transition in coupled arrays of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>4</mml:mn><mml:mspace width="0.2em" /><mml:mtext>Ã…</mml:mtext></mml:mrow></mml:math>carbon nanotubes. Physical Review B, 2010, 81, .	3.2	32
159	Surface modification for epitaxial growth of single crystalline cobalt thin films with uniaxial magnetic anisotropy on GaN(0001)-1Ã—1 surfaces. New Journal of Physics, 2010, 12, 073007.	2.9	6
160	Vertically aligned ZnO/amorphous-Si coreâ€“shell heterostructured nanowire arrays. Nanotechnology, 2010, 21, 475703.	2.6	23
161	Ultrathin ZnO nanorods: facile synthesis, characterization and optical properties. Nanotechnology, 2010, 21, 065603.	2.6	17
162	The van der Waals epitaxy of Bi₂Se₃on the vicinal Si(111) surface: an approach for preparing high-quality thin films of a topological insulator. New Journal of Physics, 2010, 12, 103038.	2.9	180

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163	Nanostructural Transformation and Formation of Heterojunctions from Si Nanowires. ACS Nano, 2010, 4, 5559-5564.	14.6	9
164	Fabrication and structure characterization of Te butterfly nanostructures. , 2010, , .		0
165	Superconducting characteristics of 4-â„« carbon nanotubeâ€“zeolite composite. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7299-7303.	7.1	58
166	Electrical transport measurements of the side-contacts and embedded-end-contacts of platinum leads on the same single-walled carbon nanotube. Nanotechnology, 2009, 20, 195202.	2.6	12
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