

Yong Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

12,269
citations

53
h-index

106
g-index

217
ext. papers

14,357
ext. citations

9
avg. IF

6.31
L-index

#	Paper	IF	Citations
207	Strong Oxide-Support Interaction over IrO _x /V ₂ O ₅ for Efficient pH-Universal Water Splitting.. <i>Advanced Science</i> , 2022 , e2104636	13.6	12
206	Coordination environment of active sites and their effect on catalytic performance of heterogeneous catalysts. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 928-955	11.3	0
205	Surface Oxygen Vacancies Confined by Ferroelectric Polarization for Tunable CO Oxidation Kinetics.. <i>Advanced Materials</i> , 2022 , e2202072	24	1
204	Sulfur vacancy-rich MoS ₂ as a catalyst for the hydrogenation of CO ₂ to methanol. <i>Nature Catalysis</i> , 2021 , 4, 242-250	36.5	76
203	Elucidation of Active Sites for CH ₄ Catalytic Oxidation over Pd/CeO ₂ Via Tailoring Metal-Support Interactions. <i>ACS Catalysis</i> , 2021 , 11, 5666-5677	13.1	19
202	Highly Selective Acetylene Semihydrogenation Catalyst with an Operation Window Exceeding 150 °C. <i>ACS Catalysis</i> , 2021 , 11, 6073-6080	13.1	9
201	Prediction quantum anomalous Hall Effect on two-dimensional X ₃ Y ₂ films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 131, 114735	3	
200	Elucidation of Active Sites in Aldol Condensation of Acetone over Single-Facet Dominant Anatase TiO ₂ (101) and (001) Catalysts. <i>Jacs Au</i> , 2021 , 1, 41-52		13
199	Surface study of the reconstructed anatase TiO ₂ (001) surface. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 1-13	3.6	12
198	Mechanistic insight into the influence of O ₂ on N ₂ O formation in the selective catalytic reduction of NO with NH ₃ over Pd/CeO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2021 , 11, 1709-1716	5.5	6
197	Probing Acid-Base Properties of Anatase TiO ₂ Nanoparticles with Dominant {001} and {101} Facets Using Methanol Chemisorption and Surface Reactions. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3988-4000	3.8	7
196	Array of single crystalline anatase TiO ₂ nanotubes with significant enhancement of photoresponse. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 536-540	3.6	0
195	Resolving the Atomic Reconstruction of SnO (110) Surface. <i>Nano Letters</i> , 2021 , 21, 7309-7316	11.5	1
194	Facet-Dependent Oxidative Strong Metal-Support Interactions of Palladium-TiO ₂ Determined by In Situ Transmission Electron Microscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22339-22344	16.4	11
193	Facet-Dependent Oxidative Strong Metal-Support Interactions of Palladium-TiO ₂ Determined by In Situ Transmission Electron Microscopy. <i>Angewandte Chemie</i> , 2021 , 133, 22513-22518	3.6	1
192	Grafting nanometer metal/oxide interface towards enhanced low-temperature acetylene semi-hydrogenation. <i>Nature Communications</i> , 2021 , 12, 5770	17.4	14
191	In situ manipulation of the active Au-TiO ₂ interface with atomic precision during CO oxidation. <i>Science</i> , 2021 , 371, 517-521	33.3	56

190	Unveiling the gas-dependent sintering behavior of Au-TiO ₂ catalysts via environmental transmission electron microscopy. <i>Journal of Catalysis</i> , 2020 , 388, 84-90	7.3	9
189	Single-Facet Dominant Anatase TiO ₂ (101) and (001) Model Catalysts to Elucidate the Active Sites for Alkanol Dehydration. <i>ACS Catalysis</i> , 2020 , 10, 4268-4279	13.1	16
188	Visualizing HO molecules reacting at TiO active sites with transmission electron microscopy. <i>Science</i> , 2020 , 367, 428-430	33.3	82
187	Surface superconductivity in the type II Weyl semimetal TaIrTe. <i>National Science Review</i> , 2020 , 7, 579-587	10.8	16
186	Low-Temperature Methane Oxidation for Efficient Emission Control in Natural Gas Vehicles: Pd and Beyond. <i>ACS Catalysis</i> , 2020 , 10, 14304-14314	13.1	26
185	Recent Progresses on Structural Reconstruction of Nanosized Metal Catalysts via Controlled-Atmosphere Transmission Electron Microscopy: A Review. <i>ACS Catalysis</i> , 2020 , 10, 14419-14450	13.1	30
184	Hierarchical Echinus-like Cu-MFI Catalysts for Ethanol Dehydrogenation. <i>ACS Catalysis</i> , 2020 , 10, 13624-13629	13.2	14
183	Reshaping of Metal Nanoparticles Under Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2171-2180	16.4	27
182	Umformung von Metallnanopartikeln unter Reaktionsbedingungen. <i>Angewandte Chemie</i> , 2020 , 132, 2191-2200	3.6	0
181	Oxide Catalysts with Ultrastrong Resistance to SO Deactivation for Removing Nitric Oxide at Low Temperature. <i>Advanced Materials</i> , 2019 , 31, e1903719	24	42
180	Study of the role of alkaline sodium additive in selective hydrogenation of phenol. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1516-1524	11.3	17
179	Surface faceting and compositional evolution of Pd@Au core-shell nanocrystals during in situ annealing. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3134-3139	3.6	5
178	Controllable in Situ Surface Restructuring of Cu Catalysts and Remarkable Enhancement of Their Catalytic Activity. <i>ACS Catalysis</i> , 2019 , 9, 2213-2221	13.1	28
177	Direct atomic identification of cation migration induced gradual cubic-to-hexagonal phase transition in Ge ₂ Sb ₂ Te ₅ . <i>Communications Chemistry</i> , 2019 , 2,	6.3	18
176	Mechanistic insight into N ₂ O formation during NO reduction by NH ₃ over Pd/CeO ₂ catalyst in the absence of O ₂ . <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1070-1077	11.3	11
175	Atomic Mechanism in Layer-by-Layer Growth via Surface Reconstruction. <i>Nano Letters</i> , 2019 , 19, 4205-4210	10.5	7
174	Nitrogen-Doped Porous Carbon Supported Nonprecious Metal Single-Atom Electrocatalysts: from Synthesis to Application. <i>Small Methods</i> , 2019 , 3, 1900159	12.8	137
173	Redispersion of Mo-Based Catalysts and the Rational Design of Super Small-Sized Metallic Mo Species. <i>ACS Catalysis</i> , 2019 , 9, 5302-5307	13.1	34

172	Wafer-Scale Growth of Single-Crystal 2D Semiconductor on Perovskite Oxides for High-Performance Transistors. <i>Nano Letters</i> , 2019 , 19, 2148-2153	11.5	52
171	Recent advances in the synthesis and applications of anisotropic carbon and silica-based nanoparticles. <i>Nano Research</i> , 2019 , 12, 1267-1278	10	17
170	An Environmental Transmission Electron Microscopy Study of the Stability of the TiO ₂ (1 1̄) Reconstructed (001) Surface. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21522-21527	3.8	9
169	Size-dependent solid-solid phase transition process of Ag ₂ S nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 397-401	3.6	4
168	Selective Electrochemical Reduction of Nitrogen to Ammonia by Adjusting the Three-Phase Interface. <i>Research</i> , 2019 , 2019, 1401209	7.8	14
167	Characterization of β -Cu ₂ Se Fine Structure by Spherical-Aberration-Corrected Scanning Transmission Electron Microscope. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019 , 35, 139-144	3.8	3
166	Direct Observation of Curved Surface Enhanced Disorder in Ag ₂ S Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 940-944	3.8	3
165	Nanoscale Behavior and Manipulation of the Phase Transition in Single-Crystal Cu Se. <i>Advanced Materials</i> , 2019 , 31, e1804919	24	17
164	Reconstruction of Supported Metal Nanoparticles in Reaction Conditions. <i>Angewandte Chemie</i> , 2018 , 130, 6574-6579	3.6	18
163	Highly uniform Ru nanoparticles over N-doped carbon: pH and temperature-universal hydrogen release from water reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 800-806	35.4	286
162	Cryo-electron microscopy finds place in materials science. <i>Science China Materials</i> , 2018 , 61, 129-130	7.1	4
161	The synergic effects at the molecular level in CoS ₂ for selective hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2018 , 20, 671-679	10	39
160	A Study of Vertical Transport through Graphene toward Control of Quantum Tunneling. <i>Nano Letters</i> , 2018 , 18, 682-688	11.5	9
159	Reconstruction of Supported Metal Nanoparticles in Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6464-6469	16.4	50
158	Temperature distribution of wedge-shaped specimen in TEM. <i>Micron</i> , 2018 , 110, 46-49	2.3	4
157	PdPt nanoalloy transformation pathways at the atomic scale. <i>Materials Today Nano</i> , 2018 , 1, 41-46	9.7	18
156	Growth of high-quality Bi ₂ Se ₃ topological insulators using (Bi _{1-x} In _x) ₂ Se ₃ buffer layers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018 , 36, 02D101	1.3	19
155	Recent advances in gas-involved in situ studies via transmission electron microscopy. <i>Nano Research</i> , 2018 , 11, 42-67	10	40

154	Early Stage Growth of Rutile Titania Mesocrystals. <i>Crystal Growth and Design</i> , 2018 , 18, 4209-4214	3.5	8
153	Fast Gas-Solid Reaction Kinetics of Nanoparticles Unveiled by Millisecond In Situ Electron Diffraction at Ambient Pressure. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11344-11348	16.4	21
152	Fast Gas-Solid Reaction Kinetics of Nanoparticles Unveiled by Millisecond In Situ Electron Diffraction at Ambient Pressure. <i>Angewandte Chemie</i> , 2018 , 130, 11514-11518	3.6	4
151	Visualizing the toughening origins of gel-grown calcite single-crystal composites. <i>Chinese Chemical Letters</i> , 2018 , 29, 1666-1670	8.1	10
150	Pt _{0.61} Ni/C for High-Efficiency Cathode of Fuel Cells with Superhigh Platinum Utilization. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14691-14697	3.8	8
149	Fabricating Metal@N-Doped Carbon Catalysts via a Thermal Method. <i>ACS Catalysis</i> , 2018 , 8, 7077-7085	13.1	43
148	Unveiling the Atomic Structures of the Minority Surfaces of TiO ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 288-295	9.6	12
147	Direct In Situ TEM Visualization and Insight into the Facet-Dependent Sintering Behaviors of Gold on TiO. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16827-16831	16.4	55
146	Direct In Situ TEM Visualization and Insight into the Facet-Dependent Sintering Behaviors of Gold on TiO ₂ . <i>Angewandte Chemie</i> , 2018 , 130, 17069-17073	3.6	12
145	Efficient hydrogenation of stearic acid over carbon coated NiFe catalyst. <i>Journal of Catalysis</i> , 2018 , 367, 139-149	7.3	36
144	Promotion of catalytic selectivity on transition metal oxide through restructuring surface lattice. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 957-969	21.8	15
143	Unexpected refacetting of palladium nanoparticles under atmospheric N conditions. <i>Chemical Communications</i> , 2018 , 54, 8587-8590	5.8	20
142	Morphology-Tuning-Induced Highly Efficient Regeneration of Pt/C Nanoelectrocatalysts. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3911-3919	3.8	5
141	Discovery of tip induced unconventional superconductivity on Weyl semimetal. <i>Science Bulletin</i> , 2017 , 62, 425-430	10.6	54
140	In Situ STEM Determination of the Atomic Structure and Reconstruction Mechanism of the TiO ₂ (001) (1 × 1) Surface. <i>Chemistry of Materials</i> , 2017 , 29, 3189-3194	9.6	29
139	Epitaxial Growth of Ternary Topological Insulator Bi Te Se 2D Crystals on Mica. <i>Small</i> , 2017 , 13, 1603572	11	16
138	PdZn intermetallic on a CN@ZnO hybrid as an efficient catalyst for the semihydrogenation of alkynols. <i>Journal of Catalysis</i> , 2017 , 350, 13-20	7.3	38
137	Atomic scale observation of a defect-mediated first-order phase transition in VO(A). <i>Nanoscale</i> , 2017 , 9, 9834-9840	7.7	4

136	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8459-8463	16.4	152
135	Highly effective Ir-based catalysts for benzoic acid hydrogenation: experiment- and theory-guided catalyst rational design. <i>Green Chemistry</i> , 2017 , 19, 1766-1774	10	18
134	Vapor-Solid Nanotube Growth via Sidewall Epitaxy in an Environmental Transmission Electron Microscope. <i>Crystal Growth and Design</i> , 2017 , 17, 11-15	3.5	6
133	Metal/Porous Carbon Composites for Heterogeneous Catalysis: Old Catalysts with Improved Performance Promoted by N-Doping. <i>ACS Catalysis</i> , 2017 , 7, 8090-8112	13.1	265
132	A Rational Solid-State Synthesis of Supported Au-Ni Bimetallic Nanoparticles with Enhanced Activity for Gas-Phase Selective Oxidation of Alcohols. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31853-31860	9.5	24
131	Activation of surface lattice oxygen in single-atom Pt/CeO for low-temperature CO oxidation. <i>Science</i> , 2017 , 358, 1419-1423	33.3	740
130	First-principles study of the interactions of hydrogen with low-index surfaces of PdCu ordered alloy. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 709-713	3.6	6
129	In situ TEM studies of the shape evolution of Pd nanocrystals under oxygen and hydrogen environments at atmospheric pressure. <i>Chemical Communications</i> , 2017 , 53, 13213-13216	5.8	40
128	Atomic-scale observation of pressure-dependent reduction dynamics of WO nanowires using environmental TEM. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16307-16311	3.6	4
127	In situ TEM observation of dissolution and regrowth dynamics of MoO ₂ nanowires under oxygen. <i>Nano Research</i> , 2017 , 10, 397-404	10	13
126	Chiral anomaly and ultrahigh mobility in crystalline HfTe ₅ . <i>Physical Review B</i> , 2016 , 93,	3.3	43
125	Observation of Pt-{100}-p(2x)-O reconstruction by an environmental TEM. <i>Progress in Natural Science: Materials International</i> , 2016 , 26, 308-311	3.6	6
124	Superconductivity in topologically nontrivial material Au ₂ Pb. <i>Npj Quantum Materials</i> , 2016 , 1,	5	30
123	Facile synthesis of Ru-decorated Pt cubes and icosahedra as highly active electrocatalysts for methanol oxidation. <i>Nanoscale</i> , 2016 , 8, 12812-8	7.7	32
122	Atomic-Scale Observation of Vapor-Solid Nanowire Growth via Oscillatory Mass Transport. <i>ACS Nano</i> , 2016 , 10, 763-9	16.7	29
121	Real-Time Observation of Reconstruction Dynamics on TiO ₂ (001) Surface under Oxygen via an Environmental Transmission Electron Microscope. <i>Nano Letters</i> , 2016 , 16, 132-7	11.5	84
120	High Catalytic Activity and Chemoselectivity of Sub-nanometric Pd Clusters on Porous Nanorods of CeO ₂ for Hydrogenation of Nitroarenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2629-37	16.4	291
119	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016 , 11, 352-9	28.7	170

118	Topological Insulator Film Growth by Molecular Beam Epitaxy: A Review. <i>Crystals</i> , 2016 , 6, 154	2.3	53
117	Thermally stable single-atom platinum-on-ceria catalysts via atom trapping. <i>Science</i> , 2016 , 353, 150-4	33.3	1065
116	Evidence for ferromagnetic coupling at the doped topological insulator/ferrimagnetic insulator interface. <i>AIP Advances</i> , 2016 , 6, 055813	1.5	8
115	In Situ Observation of Hydrogen-Induced Surface Faceting for Palladium-Copper Nanocrystals at Atmospheric Pressure. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12427-30	16.4	62
114	In Situ Observation of Hydrogen-Induced Surface Faceting for Palladium-Copper Nanocrystals at Atmospheric Pressure. <i>Angewandte Chemie</i> , 2016 , 128, 12615-12618	3.6	20
113	Nanoparticles Incorporated inside Single-Crystals: Enhanced Fluorescent Properties. <i>Chemistry of Materials</i> , 2016 , 28, 7537-7543	9.6	38
112	Controlled synthesis of single-crystal SnSe nanoplates. <i>Nano Research</i> , 2015 , 8, 288-295	10	170
111	Vertical/Planar Growth and Surface Orientation of Bi ₂ Te ₃ and Bi ₂ Se ₃ Topological Insulator Nanoplates. <i>Nano Letters</i> , 2015 , 15, 3147-52	11.5	30
110	Atomic-Scale Magnetism of Cr-Doped Bi ₂ Se ₃ Thin Film Topological Insulators. <i>ACS Nano</i> , 2015 , 9, 10237-43	13.7	46
109	Controllable synthesis of rutile titania with novel curved surfaces. <i>CrystEngComm</i> , 2015 , 17, 7254-7257	3.3	7
108	Molybdenum-Carbide-Modified Nitrogen-Doped Carbon Vesicle Encapsulating Nickel Nanoparticles: A Highly Efficient, Low-Cost Catalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15753-9	16.4	350
107	In situ observation of facet-dependent oxidation of graphene on platinum in an environmental TEM. <i>Chemical Communications</i> , 2015 , 51, 350-3	5.8	8
106	Anisotropic Fermi Surface and Quantum Limit Transport in High Mobility Three-Dimensional Dirac Semimetal Cd ₃ As ₂ . <i>Physical Review X</i> , 2015 , 5,	9.1	92
105	Anisotropic magnetotransport and exotic longitudinal linear magnetoresistance in WTe ₂ crystals. <i>Physical Review B</i> , 2015 , 92,	3.3	124
104	Switching of perpendicular magnetization by spin-orbit torques in the absence of external magnetic fields. <i>Nature Nanotechnology</i> , 2014 , 9, 548-54	28.7	569
103	Stable isolated metal atoms as active sites for photocatalytic hydrogen evolution. <i>Chemistry - A European Journal</i> , 2014 , 20, 2138-44	4.8	132
102	RuO ₂ /rutile-TiO ₂ : a superior catalyst for N ₂ O decomposition. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5178-5181	13	32
101	Electrical detection of spin-polarized surface states conduction in (Bi(0.53)Sb(0.47)) ₂ Te ₃ topological insulator. <i>Nano Letters</i> , 2014 , 14, 5423-9	11.5	134

100	High-performance hydrogen evolution electrocatalysis by layer-controlled MoS ₂ nanosheets. <i>RSC Advances</i> , 2014 , 4, 34733-34738	3.7	48
99	Crossover from 3D to 2D quantum transport in Bi ₂ Se ₃ /In ₂ Se ₃ superlattices. <i>Nano Letters</i> , 2014 , 14, 5244-95	11.5	39
98	Adsorption of phenol on Fe (110) and Pd (111) from first principles. <i>Surface Science</i> , 2014 , 630, 244-253	1.8	35
97	Scale-invariant quantum anomalous Hall effect in magnetic topological insulators beyond the two-dimensional limit. <i>Physical Review Letters</i> , 2014 , 113, 137201	7.4	348
96	Proximity induced high-temperature magnetic order in topological insulator--ferrimagnetic insulator heterostructure. <i>Nano Letters</i> , 2014 , 14, 3459-65	11.5	156
95	Broadly defining lasing wavelengths in single bandgap-graded semiconductor nanowires. <i>Nano Letters</i> , 2014 , 14, 3153-9	11.5	74
94	Shaped Pd-Ni-Pt core-sandwich-shell nanoparticles: influence of Ni sandwich layers on catalytic electrooxidations. <i>ACS Nano</i> , 2014 , 8, 7239-50	16.7	128
93	Functionalizing single crystals: incorporation of nanoparticles inside gel-grown calcite crystals. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4127-31	16.4	49
92	Selectively grown GaAs nanodisks on Si(100) by molecular beam epitaxy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 02C111	1.3	3
91	Direct observation of Pt nanocrystal coalescence induced by electron-excitation-enhanced van der Waals interactions. <i>Nano Research</i> , 2014 , 7, 308-314	10	19
90	Solution-grown organic single-crystalline p-n junctions with ambipolar charge transport. <i>Advanced Materials</i> , 2013 , 25, 5762-6	24	104
89	Nanoscale-phase-separated Pd-Rh boxes synthesized via metal migration: an archetype for studying lattice strain and composition effects in electrocatalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14691-700	16.4	95
88	Manipulating surface-related ferromagnetism in modulation-doped topological insulators. <i>Nano Letters</i> , 2013 , 13, 4587-93	11.5	66
87	Interplay between different magnetisms in Cr-doped topological insulators. <i>ACS Nano</i> , 2013 , 7, 9205-12	16.7	94
86	Controllable electrical properties of metal-doped In ₂ O ₃ nanowires for high-performance enhancement-mode transistors. <i>ACS Nano</i> , 2013 , 7, 804-10	16.7	76
85	Separation of top and bottom surface conduction in Bi ₂ Te ₃ thin films. <i>Nanotechnology</i> , 2013 , 24, 015705	3.4	40
84	Direct atom-by-atom chemical identification of nanostructures and defects of topological insulators. <i>Nano Letters</i> , 2013 , 13, 2851-6	11.5	48
83	Competing weak localization and weak antilocalization in ultrathin topological insulators. <i>Nano Letters</i> , 2013 , 13, 48-53	11.5	113

82	Rational design of sub-parts per million specific gas sensors array based on metal nanoparticles decorated nanowire enhancement-mode transistors. <i>Nano Letters</i> , 2013 , 13, 3287-92	11.5	117
81	Reversible insulator-metal transition of LaAlO ₃ /SrTiO ₃ interface for nonvolatile memory. <i>Scientific Reports</i> , 2013 , 3, 2870	4.9	43
80	Demonstration of surface transport in a hybrid Bi ₂ Se ₃ /Bi ₂ Te ₃ heterostructure. <i>Scientific Reports</i> , 2013 , 3, 3060	4.9	55
79	Evidence of the two surface states of (Bi _{0.53} Sb _{0.47}) ₂ Te ₃ films grown by van der Waals epitaxy. <i>Scientific Reports</i> , 2013 , 3, 3406	4.9	34
78	High Curie temperature Bi(1.85)Mn(0.15)Te ₃ nanoplates. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18920-3	16.4	29
77	Quantum capacitance in topological insulators. <i>Scientific Reports</i> , 2012 , 2, 669	4.9	20
76	Magnetically doped semiconducting topological insulators. <i>Journal of Applied Physics</i> , 2012 , 112, 063912.5	12.5	69
75	Revelation of topological surface states in Bi ₂ Se ₃ thin films by in situ Al passivation. <i>ACS Nano</i> , 2012 , 6, 295-302	16.7	85
74	Defect-free zinc-blende structured InAs nanowires catalyzed by palladium. <i>Nano Letters</i> , 2012 , 12, 5744-5	11.5	58
73	High-Density, Defect-Free, and Taper-Restrained Epitaxial GaAs Nanowires Induced from Annealed Au Thin Films. <i>Crystal Growth and Design</i> , 2012 , 12, 2018-2022	3.5	31
72	Surface-dominated conduction in a 6 nm thick Bi ₂ Se ₃ thin film. <i>Nano Letters</i> , 2012 , 12, 1486-90	11.5	146
71	Gate-controlled surface conduction in Na-doped Bi ₂ Te ₃ topological insulator nanoplates. <i>Nano Letters</i> , 2012 , 12, 1170-5	11.5	119
70	Mn-Rich Nanostructures in Ge _{1-x} Mn _x : Fabrication, Microstructure, and Magnetic Properties. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-18	1.5	2
69	Ge _{1-x} Mn _x -Diluted Magnetic Semiconductor Nanostructures for Spintronics 2012 , 693-731		
68	A formation mechanism of oxygen vacancies in a MnO ₂ monolayer: a DFT + U study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11325-8	3.6	33
67	Graphene flash memory. <i>ACS Nano</i> , 2011 , 5, 7812-7	16.7	204
66	Lattice distortion oriented angular self-assembly of monolayer titania sheets. <i>Journal of the American Chemical Society</i> , 2011 , 133, 695-7	16.4	43
65	Epitaxial growth of high mobility Bi ₂ Se ₃ thin films on CdS. <i>Applied Physics Letters</i> , 2011 , 98, 242102	3.4	79

64	Manipulating surface states in topological insulator nanoribbons. <i>Nature Nanotechnology</i> , 2011 , 6, 216-218.7	352
63	Structural evolution of GeMn/Ge superlattices grown by molecular beam epitaxy under different growth conditions. <i>Nanoscale Research Letters</i> , 2011 , 6, 624	5 6
62	Coherent magnetic semiconductor nanodot arrays. <i>Nanoscale Research Letters</i> , 2011 , 6, 134	5 15
61	Epitaxial growth of Bi ₂ Se ₃ topological insulator thin films on Si (111). <i>Journal of Applied Physics</i> , 2011 , 109, 103702	2.5 118
60	Electric-field controlled ferromagnetism in MnGe magnetic quantum dots. <i>Nano Reviews</i> , 2011 , 2,	5
59	Cr metal thin film memory. <i>Journal of Applied Physics</i> , 2011 , 110, 054504	2.5 10
58	Electric-field-controlled ferromagnetism in high-Curie-temperature Mn _{0.05} Ge _{0.95} quantum dots. <i>Nature Materials</i> , 2010 , 9, 337-44	27 126
57	Antiphotocorrosive photocatalysts containing CdS nanoparticles and exfoliated TiO ₂ nanosheets. <i>Journal of Materials Research</i> , 2010 , 25, 182-188	2.5 40
56	Investigating the origin of Fermi level pinning in Ge Schottky junctions using epitaxially grown ultrathin MgO films. <i>Applied Physics Letters</i> , 2010 , 96, 102103	3.4 96
55	Tadpole shaped Ge _{0.96} Mn _{0.04} magnetic semiconductors grown on Si. <i>Applied Physics Letters</i> , 2010 , 96, 051905	3.4 13
54	Thickness dependence of magnetic and transport properties in organic-CoFe discontinuous multilayers. <i>Journal of Applied Physics</i> , 2010 , 107, 09E307	2.5 3
53	Na-doped p-type ZnO microwires. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2498-9	16.4 110
52	Oxygen vacancy induced structural variations of exfoliated monolayer MnO ₂ sheets. <i>Physical Review B</i> , 2010 , 81,	3.3 23
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