Qin Kuang

List of Publications by Year
in descending order

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141 papers	14,364 citations	20797 60 h-index	19169 118 g-index
143 all docs	143 docs citations	143 times ranked	17976 citing authors

#	Article	IF	Citations
1	Construct efficient substrate transport and catalytic sub-nanochannels in metal-organic framework-based nanozymes for boosting peroxidase-like catalytic activity. Chemical Engineering Journal, 2022, 430, 133079.	6.6	22
2	Platinumâ€Tin/Tin Oxide/CNT Catalysts for Highâ€Performance Electrocatalytic Ethanol Oxidation. Chemistry - A European Journal, 2022, 28, .	1.7	4
3	Edge-segregated ternary Pdâ€“Ptâ€“Ni spiral nanosheets as high-performance bifunctional oxygen redox electrocatalysts for rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 3808-3817.	5.2	17
4	MOF Encapsulated AuPt Bimetallic Nanoparticles for Improved Plasmonicâ€Induced Photothermal Catalysis of CO₂ Hydrogenation. Chemistry - A European Journal, 2022, 28, .	1.7	10
5	Singleâ€Atom Molybdenum Engineered Platinum Nanocatalyst for Boosted Alkaline Hydrogen Oxidation. Advanced Energy Materials, 2022, 12, .	10.2	53
6	Hot-electron-induced CO2 hydrogenation on Au@AuRu/g-C3N4 plasmonic bimetalâ€“semiconductor heterostructure. Chemical Engineering Journal, 2022, 443, 136482.	6.6	13
7	Two-Dimensionally Assembled Pdâ€“Ptâ€“Ir Supernanosheets with Subnanometer Interlayer Spacings toward High-Efficiency and Durable Water Splitting. ACS Catalysis, 2022, 12, 5305-5315.	5.5	26
8	Tailoring the Chemical Potential of Crystal Growth Units to Tune the Bulk Structure of Nanocrystals. Small Methods, 2021, 5, e2000447.	4.6	6
9	Design of ternary Ptâ€“CoZn alloy catalysts coated with N-doped carbon towards acidic oxygen reduction. Materials Advances, 2021, 2, 5479-5486.	2.6	10
10	Concave nano-octahedral alloys: wet chemical synthesis of bimetallic Ptâ€“Pd nanocrystals with high-index {hhl} Facets. Dalton Transactions, 2021, 50, 12083-12087.	1.6	6
11	Size-Controlled Intermetallic PtZn Nanoparticles on N-Doped Carbon Support for Enhanced Electrocatalytic Oxygen Reduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 3821-3827.	3.2	17
12	MOF encapsulated sub-nm Pd skin/Au nanoparticles as antenna-reactor plasmonic catalyst for light driven CO2 hydrogenation. Nano Energy, 2021, 84, 105950.	8.2	40
13	Gas sensing materials roadmap. Journal of Physics Condensed Matter, 2021, 33, 303001.	0.7	49
14	Atomically dispersed Pt/CeO2 catalyst with superior CO selectivity in reverse water gas shift reaction. Applied Catalysis B: Environmental, 2021, 291, 120101.	10.8	75
15	Constructing oxide/sulfide in-plane heterojunctions with enlarged internal electric field for efficient CO2 photoreduction. Applied Catalysis B: Environmental, 2021, 297, 120394.	10.8	41
16	Research Progress of Photocatalytic CO2 Reduction Based on Two-dimensional Materials. Acta Chimica Sinica, 2021, 79, 10.	0.5	16
17	Trimetallic PtNiCo branched nanocages as efficient and durable bifunctional electrocatalysts towards oxygen reduction and methanol oxidation reactions. Journal of Materials Chemistry A, 2021, 9, 23444-23450.	5.2	49
18	Effect of Rutile Content on the Catalytic Performance of Ru/TiO₂ Catalyst for Low-Temperature CO₂ Methanation. ACS Sustainable Chemistry and Engineering, 2021, 9, 14288-14296.	3.2	34

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19	Dynamic Phase Transition of Iron Oxycarbide Facilitated by Pt Nanoparticles for Promoting the Reverse Water Gas Shift Reaction. ACS Catalysis, 2021, 11, 14586-14595.	5.5	10
20	Surface structure-dependent electrocatalytic reduction of CO₂ to C1 products on SnO₂ catalysts. Sustainable Energy and Fuels, 2020, 4, 600-606.	2.5	5
21	Tuning electronic structure of PdZn nanocatalyst via acid-etching strategy for highly selective and stable electrolytic nitrogen fixation under ambient conditions. Applied Catalysis B: Environmental, 2020, 265, 118568.	10.8	42
22	Metalâ€“Organic Framework as a Compartmentalized Integrated Nanozyme Reactor to Enable High-Performance Cascade Reactions for Glucose Detection. ACS Sustainable Chemistry and Engineering, 2020, 8, 17783-17790.	3.2	43
23	Biomimetic Metalâ€“Organic Framework Composite-Mediated Cascade Catalysis for Synergistic Bacteria Killing. ACS Applied Materials & Interfaces, 2020, 12, 36996-37005.	4.0	78
24	The function of metalâ€“organic frameworks in the application of MOF-based composites. Nanoscale Advances, 2020, 2, 2628-2647.	2.2	136
25	Edge Enrichment of Ultrathin 2D PdPtCu Trimetallic Nanostructures Effectuates Top-Ranked Ethanol Electrooxidation. Nano Letters, 2020, 20, 5458-5464.	4.5	90
26	In situ construction and post-electrolysis structural study of porous Ni₂P@C nanosheet arrays for efficient water splitting. Inorganic Chemistry Frontiers, 2020, 7, 2960-2968.	3.0	14
27	Facile synthesis of clean PtAg dendritic nanostructures with enhanced electrochemical properties. Inorganic Chemistry Frontiers, 2020, 7, 1250-1256.	3.0	4
28	Quatermetallic Pt-based ultrathin nanowires intensified by Rh enable highly active and robust electrocatalysts for methanol oxidation. Nano Energy, 2020, 71, 104623.	8.2	64
29	Optimization of goldâ€“palladium coreâ€“shell nanowires towards H₂O₂ reduction by adjusting shell thickness. Nanoscale Advances, 2020, 2, 785-791.	2.2	7
30	Nanosheet-assembled, hollowed-out hierarchical Î³-Fe₂O₃ microrods for high-performance gas sensing. Journal of Materials Chemistry A, 2020, 8, 3754-3762.	5.2	43
31	Atomically dispersed hierarchically ordered porous Feâ€“Nâ€“C electrocatalyst for high performance electrocatalytic oxygen reduction in Zn-Air battery. Nano Energy, 2020, 71, 104547.	8.2	206
32	N-doped carbon shell encapsulated PtZn intermetallic nanoparticles as highly efficient catalysts for fuel cells. Nano Research, 2019, 12, 2490-2497.	5.8	54
33	One-step synthesis of thermally stable artificial multienzyme cascade system for efficient enzymatic electrochemical detection. Nano Research, 2019, 12, 3031-3036.	5.8	28
34	Photo-induced Auâ€“Pd alloying at TiO₂ {101} facets enables robust CO₂ photocatalytic reduction into hydrocarbon fuels. Journal of Materials Chemistry A, 2019, 7, 1334-1340.	5.2	89
35	A nano-reactor based on PtNi@metalâ€“organic framework composites loaded with polyoxometalates for hydrogenationâ€“esterification tandem reactions. Nanoscale, 2019, 11, 3292-3299.	2.8	31
36	Efficient oxygen reduction on sandwich-like metal@Nâ€“C composites with ultrafine Fe nanoparticles embedded in N-doped carbon nanotubes grafted on graphene sheets. Nanoscale, 2019, 11, 12610-12618.	2.8	26

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37	Sierpinski gasket-like Ptâ€“Ag octahedral alloy nanocrystals with enhanced electrocatalytic activity and stability. Nano Energy, 2019, 61, 397-403.	8.2	29
38	Palladium NPs supported on sulfonic acid functionalized metalâ€“organic frameworks as catalysts for biomass cascade reactions. Dalton Transactions, 2019, 48, 5515-5519.	1.6	20
39	Hollow porous rhodium nanoballs. Chemical Communications, 2019, 55, 4989-4992.	2.2	15
40	Chemically initiated liquid-like behavior and fabrication of periodic wavy Cu/CuAu nanocables with enhanced catalytic properties. Nanoscale, 2018, 10, 9012-9020.	2.8	8
41	Ultrafine ZnO quantum dot-modified TiO₂ composite photocatalysts: the role of the quantum size effect in heterojunction-enhanced photocatalytic hydrogen evolution. Catalysis Science and Technology, 2018, 8, 1296-1303.	2.1	55
42	Synthesis of u-channelled spherical Fe_x(Co_yNi_{1â^'y})_{100â^'x} Janus colloidal particles with excellent electromagnetic wave absorption performance. Nanoscale, 2018, 10, 1930-1938.	2.8	67
43	Stable palladium hydride as a superior anode electrocatalyst for direct formic acid fuel cells. Nano Energy, 2018, 44, 127-134.	8.2	131
44	Rationally Armoring PtCu Alloy with Metalâ€Organic Frameworks as Highly Selective Nonenzyme Electrochemical Sensor. Advanced Materials Interfaces, 2018, 5, 1801168.	1.9	19
45	Toward Rationally Designing Surface Structures of Micro- and Nanocrystallites: Role of Supersaturation. Accounts of Chemical Research, 2018, 51, 2880-2887.	7.6	53
46	Surface Engineering Protocol To Obtain an Atomically Dispersed Pt/CeO₂ Catalyst with High Activity and Stability for CO Oxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 14054-14062.	3.2	102
47	Origin of symmetry breaking in the seed-mediated growth of bi-metal nano-heterostructures. Science Bulletin, 2018, 63, 892-899.	4.3	10
48	Optimizing the Electromagnetic Wave Absorption Performances of Designed Co₃Fe₇@C Yolkâ€“Shell Structures. ACS Applied Materials & Interfaces, 2018, 10, 28839-28849.	4.0	147
49	Cyclic Penta-Twinned Rhodium Nanobranches as Superior Catalysts for Ethanol Electro-oxidation. Journal of the American Chemical Society, 2018, 140, 11232-11240.	6.6	133
50	Morphology led high dispersion of Pt icosahedral nanocrystals on carbon nanotubes for enhanced electro-catalytic activity and stability. Chemical Communications, 2018, 54, 10855-10858.	2.2	6
51	Selective Catalytic Performances of Noble Metal Nanoparticle@MOF Composites: The Concomitant Effect of Aperture Size and Structural Flexibility of MOF Matrices. Chemistry - A European Journal, 2017, 23, 11397-11403.	1.7	50
52	Inflating hollow nanocrystals through a repeated Kirkendall cavitation process. Nature Communications, 2017, 8, 1261.	5.8	135
53	Heterometallic metal-organic framework-templated synthesis of porous Co 3 O 4 /ZnO nanocage catalysts for the carbonylation of glycerol. Journal of Solid State Chemistry, 2017, 256, 93-100.	1.4	15
54	Ternary Alloys Encapsulated within Different MOFs via a Selfâ€Sacrificing Template Process: A Potential Platform for the Investigation of Sizeâ€Selective Catalytic Performances. Small, 2017, 13, 1700683.	5.2	31

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55	Excavated octahedral Pt-Co alloy nanocrystals built with ultrathin nanosheets as superior multifunctional electrocatalysts for energy conversion applications. Nano Energy, 2017, 39, 582-589.	8.2	130
56	Synthesis and enhanced electromagnetic wave absorption performance of amorphous CoxFe10-x alloys. Journal of Alloys and Compounds, 2017, 726, 1255-1261.	2.8	35
57	Synthesis of single-crystal hyperbranched rhodium nanoplates with remarkable catalytic properties. Science China Materials, 2017, 60, 685-696.	3.5	18
58	Excavated Cubic Platinumâ€“Tin Alloy Nanocrystals Constructed from Ultrathin Nanosheets with Enhanced Electrocatalytic Activity. Angewandte Chemie - International Edition, 2016, 55, 9021-9025.	7.2	111
59	Engineering high-energy surfaces of noble metal nanocrystals with enhanced catalytic performances. Nano Today, 2016, 11, 661-677.	6.2	76
60	Efficiently Enhancing Visible Light Photocatalytic Activity of Faceted TiO₂ Nanocrystals by Synergistic Effects of Coreâ€“Shell Structured Au@CdS Nanoparticles and Their Selective Deposition. ACS Applied Materials & Interfaces, 2016, 8, 21326-21333.	4.0	43
61	Coordination effect assisted synthesis of ultrathin Pt layers on second metal nanocrystals as efficient oxygen reduction electrocatalysts. Journal of Materials Chemistry A, 2016, 4, 13033-13039.	5.2	31
62	Controlled Encapsulation of Flower-like Rhâ€“Ni Alloys with MOFs via Tunable Template Dealloying for Enhanced Selective Hydrogenation of Alkyne. ACS Applied Materials & Interfaces, 2016, 8, 31059-31066.	4.0	52
63	Probing the structural flexibility of MOFs by constructing metal oxide@MOF-based heterostructures for size-selective photoelectrochemical response. Nanoscale, 2016, 8, 13181-13185.	2.8	27
64	Templated synthesis of diluted magnetic semiconductors using transition metal ion-doped metalâ€“organic frameworks: the case of Co-doped ZnO. CrystEngComm, 2016, 18, 4121-4126.	1.3	26
65	Efficiently enhancing the photocatalytic activity of faceted TiO₂nanocrystals by selectively loading Î±-Fe₂O₃and Pt co-catalysts. RSC Advances, 2016, 6, 29794-29801.	1.7	22
66	Novel hydrogen storage properties of palladium nanocrystals activated by a pentagonal cyclic twinned structure. Nano Research, 2015, 8, 2698-2705.	5.8	33
67	Engineering a high energy surface of anatase TiO₂ crystals towards enhanced performance for energy conversion and environmental applications. RSC Advances, 2015, 5, 20396-20409.	1.7	79
68	The effect of noble metal (Au, Pd and Pt) nanoparticles on the gas sensing performance of SnO₂-based sensors: a case study on the {221} high-index faceted SnO₂octahedra. CrystEngComm, 2015, 17, 6308-6313.	1.3	159
69	A surfactant free synthesis and formation mechanism of hollow Cu₂O nanocubes using Cl^{â”} ions as the morphology regulator. RSC Advances, 2015, 5, 61421-61425.	1.7	11
70	MOF-Derived Porous Co/C Nanocomposites with Excellent Electromagnetic Wave Absorption Properties. ACS Applied Materials & Interfaces, 2015, 7, 13604-13611.	4.0	687
71	Synthesis of trapezohedral indium oxide nanoparticles with high-index {211} facets and high gas sensing activity. Chemical Communications, 2015, 51, 9612-9615.	2.2	37
72	Template-free construction of hollow Î±-Fe₂O₃ hexagonal nanocolumn particles with an exposed special surface for advanced gas sensing properties. Nanoscale, 2015, 7, 9416-9420.	2.8	77

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73	Morphology evolution of NaTaO3 submicrometer single-crystals: from cubes to quasi-spheres. Science China Materials, 2015, 58, 281-288.	3.5	17
74	Synthesis of porous Cu₂O/CuO cages using Cu-based metalâ€“organic frameworks as templates and their gas-sensing properties. Journal of Materials Chemistry A, 2015, 3, 12796-12803.	5.2	341
75	Close-Packed Colloidal SiO2as a Nanoreactor: Generalized Synthesis of Metal Oxide Mesoporous Single Crystals and Mesocrystals. Chemistry of Materials, 2014, 26, 5700-5709.	3.2	40
76	Magnetic-field-assisted aerosol pyrolysis synthesis of iron pyrite sponge-like nanochain networks as cost-efficient counter electrodes in dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 5508-5515.	5.2	22
77	MOF-Templated Synthesis of Porous Co₃O₄Concave Nanocubes with High Specific Surface Area and Their Gas Sensing Properties. ACS Applied Materials & Interfaces, 2014, 6, 4186-4195.	4.0	682
78	Ag2S nanocaps from AgBr nanoplates: Template symmetry breaking synthesis induced by the polar surfaces. CrystEngComm, 2014, 16, 4940.	1.3	5
79	Hexagonal ZnO/SnO2 coreâ€“shell micropyramids: epitaxial growth-based synthesis, chemical conversion, and cathodoluminescence. Inorganic Chemistry Frontiers, 2014, 1, 186.	3.0	7
80	AgI Microplate Monocrystals with Polar {0001} Facets: Spontaneous Photocarrier Separation and Enhanced Photocatalytic Activity. Chemistry - A European Journal, 2014, 20, 2637-2645.	1.7	18
81	Supersaturation-Controlled Shape Evolution of Î±-Fe₂O₃ Nanocrystals and Their Facet-Dependent Catalytic and Sensing Properties. ACS Applied Materials & Interfaces, 2014, 6, 12505-12514.	4.0	196
82	Organicâ€“Inorganic Interfaceâ€Induced Multiâ€Fluorescence of MgO Nanocrystal Clusters and Their Applications in Cellular Imaging. Chemistry - A European Journal, 2014, 20, 5244-5252.	1.7	15
83	Mesoporous Mn3O4â€“CoO coreâ€“shell spheres wrapped by carbon nanotubes: a high performance catalyst for the oxygen reduction reaction and CO oxidation. Journal of Materials Chemistry A, 2014, 2, 3794.	5.2	81
84	Solution-Processed, Barrier-Confined, and 1D Nanostructure Supported Quasi-quantum Well with Large Photoluminescence Enhancement. ACS Nano, 2014, 8, 3771-3780.	7.3	6
85	High-Energy-Surface Engineered Metal Oxide Micro- and Nanocrystallites and Their Applications. Accounts of Chemical Research, 2014, 47, 308-318.	7.6	203
86	Surface Structure Dependent Electrocatalytic Activity of Co3O4 Anchored on Graphene Sheets toward Oxygen Reduction Reaction. Scientific Reports, 2013, 3, 2300.	1.6	274
87	Mesoporous TiO₂ Single Crystals: Facile Shape-, Size-, and Phase-Controlled Growth and Efficient Photocatalytic Performance. ACS Applied Materials & Interfaces, 2013, 5, 11249-11257.	4.0	116
88	Formaldehyde-assisted synthesis of ultrathin Rh nanosheets for applications in CO oxidation. CrystEngComm, 2013, 15, 6127-6130.	1.3	55
89	Enhancing the Photocatalytic Activity of Anatase TiO₂ by Improving the Specific Facetâ€Induced Spontaneous Separation of Photogenerated Electrons and Holes. Chemistry - an Asian Journal, 2013, 8, 282-289.	1.7	115
90	A dispersive scattering centers-based strategy for dramatically enhancing the photocatalytic efficiency of photocatalysts in liquid-phase photochemical processes: a case of Ag nanosheets. Nanoscale, 2013, 5, 1793.	2.8	1

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91	Template Synthesis of Single-Crystal-Like Porous SrTiO₃ Nanocube Assemblies and Their Enhanced Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2013, 5, 3683-3690.	4.0	135
92	Semiconductor@Metalâ€“Organic Framework Coreâ€“Shell Heterostructures: A Case of ZnO@ZIF-8 Nanorods with Selective Photoelectrochemical Response. Journal of the American Chemical Society, 2013, 135, 1926-1933.	6.6	691
93	Surfactantâ€Concentrationâ€Dependent Shape Evolution of Auâ€“Pd Alloy Nanocrystals from Rhombic Dodecahedron to Trisoctahedron and Hexoctahedron. Small, 2013, 9, 538-544.	5.2	88
94	Engineering surface of anatase TiO2 nanocrystals toward enhanced catalytic activity in photochemistry. , 2013, , .		0
95	Carbonate ions-assisted syntheses of anatase TiO2 nanoparticles exposed with high energy (001) facets. RSC Advances, 2012, 2, 3251.	1.7	80
96	Control of Anatase TiO₂ Nanocrystals with a Series of Highâ€Energy Crystal Facets via a Fuorineâ€Free Strategy. Chemistry - an Asian Journal, 2012, 7, 2538-2542.	1.7	39
97	Synthesis of layered protonated titanate hierarchical microspheres with extremely large surface area for selective adsorption of organic dyes. CrystEngComm, 2012, 14, 7715.	1.3	42
98	Synthesis of spatially uniform metal alloys nanocrystals via a diffusion controlled growth strategy: The case of Au-Pd alloy trisoctahedral nanocrystals with tunable composition. Nano Research, 2012, 5, 618-629.	5.8	36
99	Hierarchical WO3 flowers comprising porous single-crystalline nanoplates show enhanced lithium storage and photocatalysis. Nano Research, 2012, 5, 826-832.	5.8	91
100	Facile syntheses and enhanced electrocatalytic activities of Pt nanocrystals with {hkk} high-index surfaces. Nano Research, 2012, 5, 181-189.	5.8	92
101	Controlled Synthesis and Enhanced Catalytic and Gasâ€Sensing Properties of Tin Dioxide Nanoparticles with Exposed Highâ€Energy Facets. Chemistry - A European Journal, 2012, 18, 2283-2289.	1.7	103
102	Facile syntheses and electrocatalytic properties of porous Pd and its alloy nanospheres. Journal of Materials Chemistry, 2011, 21, 9620.	6.7	62
103	Fabrication of the SnO₂/Î±-Fe₂O₃ Hierarchical Heterostructure and Its Enhanced Photocatalytic Property. Journal of Physical Chemistry C, 2011, 115, 7874-7879.	1.5	88
104	Intense and wavelength-tunable photoluminescence from surface functionalized MgO nanocrystal clusters. Journal of Materials Chemistry, 2011, 21, 7263.	6.7	36
105	Solid state precursor strategy for synthesizing hollow TiO2 boxes with a high percentage of reactive {001} facets exposed. Chemical Communications, 2011, 47, 6722.	2.2	93
106	Cu²⁺-Assisted Synthesis of Hexoctahedral Auâ€“Pd Alloy Nanocrystals with High-Index Facets. Journal of the American Chemical Society, 2011, 133, 17114-17117.	6.6	229
107	Synthesis of Concave Palladium Nanocubes with Highâ€Index Surfaces and High Electrocatalytic Activities. Chemistry - A European Journal, 2011, 17, 9915-9919.	1.7	98
108	A Single SnO2 Nanowire-Based Microelectrode. Methods in Molecular Biology, 2011, 726, 111-117.	0.4	0

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109	General and Facile Syntheses of Metal Silicate Porous Hollow Nanostructures. Chemistry - an Asian Journal, 2010, 5, 1439-1444.	1.7	21
110	pH-Induced Simultaneous Synthesis and Self-Assembly of 3D Layered Î²-FeOOH Nanorods. Langmuir, 2010, 26, 2745-2750.	1.6	45
111	Shape-Dependent Antibacterial Activities of Ag₂O Polyhedral Particles. Langmuir, 2010, 26, 2774-2778.	1.6	176
112	Syntheses and Properties of Micro/Nanostructured Crystallites with Highâ€Energy Surfaces. Advanced Functional Materials, 2010, 20, 3634-3645.	7.8	230
113	A Facile synthesis of flower-like Co3O4 porous spheres for the lithium-ion battery electrode. Journal of Solid State Chemistry, 2010, 183, 600-605.	1.4	81
114	Liquidâ€“liquid interface assisted synthesis of size- and thickness-controlled Ag nanoplates. Journal of Solid State Chemistry, 2010, 183, 1354-1358.	1.4	9
115	Control of the Surface of ZnO Nanostructures by Selective Wet-Chemical Etching. Journal of Physical Chemistry C, 2010, 114, 10114-10118.	1.5	37
116	Fabrication of Cluster/Shell Fe₃O₄/Au Nanoparticles and Application in Protein Detection via a SERS Method. Journal of Physical Chemistry C, 2010, 114, 19607-19613.	1.5	120
117	Synthesis of Tin Dioxide Octahedral Nanoparticles with Exposed Highâ€Energy {221} Facets and Enhanced Gasâ€Sensing Properties. Angewandte Chemie - International Edition, 2009, 48, 9180-9183.	7.2	405
118	Shape-controlled fabrication of porous ZnO architectures and their photocatalytic properties. Journal of Solid State Chemistry, 2009, 182, 115-121.	1.4	62
119	Single-crystal-like hematite colloidal nanocrystal clusters: synthesis and applications in gas sensors, photocatalysis and water treatment. Journal of Materials Chemistry, 2009, 19, 6154.	6.7	139
120	Directional Etching Formation of Single-Crystalline Branched Nanostructures: A Case of Six-Horn-like Manganese Oxide. Journal of Physical Chemistry C, 2009, 113, 2867-2872.	1.5	12
121	Supercrystals from Crystallization of Octahedral MnO Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 19107-19111.	1.5	48
122	Syntheses of Nano/Submicrostructured Metal Oxides with All Polar Surfaces Exposed via a Molten Salt Route. Crystal Growth and Design, 2009, 9, 192-196.	1.4	76
123	Synthesis of Titania Nanosheets with a High Percentage of Exposed (001) Facets and Related Photocatalytic Properties. Journal of the American Chemical Society, 2009, 131, 3152-3153.	6.6	1,511
124	Controlling Morphologies and Tuning the Related Properties of Nano/Microstructured ZnO Crystallites. Journal of Physical Chemistry C, 2009, 113, 584-589.	1.5	349
125	Versatile fabrication of aligned SnO₂nanotube arrays by using various ZnO arrays as sacrificial templates. Journal of Materials Chemistry, 2009, 19, 1019-1023.	6.7	55
126	Direct synthesis of silver/polymer/carbon nanocables via a simple hydrothermal route. Journal of Solid State Chemistry, 2008, 181, 2359-2363.	1.4	20

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127	Synthesis of Trisoctahedral Gold Nanocrystals with Exposed Highâ€Index Facets by a Facile Chemical Method. Angewandte Chemie - International Edition, 2008, 47, 8901-8904.	7.2	309
128	Tensions at Liquid Interfaces:â€‰ A General Filter for the Separation of Micro-/Nanoparticles. Langmuir, 2008, 24, 2281-2283.	1.6	5
129	Twin-Crystal Nature of the Single-Crystal-Like Branched Cu₂O Particles. Journal of Physical Chemistry C, 2008, 112, 13405-13409.	1.5	29
130	Enhancing the Photon- and Gas-Sensing Properties of a Single SnO₂Nanowire Based Nanodevice by Nanoparticle Surface Functionalization. Journal of Physical Chemistry C, 2008, 112, 11539-11544.	1.5	128
131	Giant Enhancement in UV Response of ZnO Nanobelts by Polymer Surface-Functionalization. Journal of the American Chemical Society, 2007, 129, 12096-12097.	6.6	305
132	High-Sensitivity Humidity Sensor Based on a Single SnO2Nanowire. Journal of the American Chemical Society, 2007, 129, 6070-6071.	6.6	825
133	Polymer functionalized piezoelectric-FET as humidity/chemical nanosensors. Applied Physics Letters, 2007, 90, 262107.	1.5	137
134	The Origin of Green Emission of ZnO Microcrystallites:â€‰ Surface-Dependent Light Emission Studied by Cathodoluminescence. Journal of Physical Chemistry C, 2007, 111, 12091-12093.	1.5	62
135	Growth of Prussian Blue Microcubes under a Hydrothermal Condition:â€‰ Possible Nonclassical Crystallization by a Mesoscale Self-Assembly. Journal of Physical Chemistry C, 2007, 111, 4499-4502.	1.5	80
136	Syntheses of rare-earth metal oxide nanotubes by the solâ€“gel method assisted with porous anodic aluminum oxide templates. Journal of Solid State Chemistry, 2007, 180, 1236-1242.	1.4	55
137	Preparation and Optical Properties of ThO2and Eu-Doped ThO2Nanotubes by the Solâˆ’Gel Method Combined with Porous Anodic Aluminum Oxide Template. Journal of Physical Chemistry B, 2006, 110, 23007-23011.	1.2	37
138	Controllable fabrication of SnO2-coated multiwalled carbon nanotubes by chemical vapor deposition. Carbon, 2006, 44, 1166-1172.	5.4	56
139	Formation of ZnO hexagonal micro-pyramids: a successful control of the exposed polar surfaces with the assistance of an ionic liquid. Chemical Communications, 2005, , 5572.	2.2	205
140	Tailoring the Optical Property by a Three-Dimensional Epitaxial Heterostructure:Â A Case of ZnO/SnO2. Journal of the American Chemical Society, 2005, 127, 11777-11784.	6.6	195
141	Low temperature solvothermal synthesis of crumpled carbon nanosheets. Carbon, 2004, 42, 1737-1741.	5.4	97