Hua Zhang

List of Publications by Year
in descending order

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734 papers	133,185 citations	57 177 h-index	109 345 g-index
780 all docs	780 docs citations	780 times ranked	84156 citing authors

#	Article	IF	Citations
1	Wet-chemical synthesis and applications of amorphous metal-containing nanomaterials. Nano Research, 2023, 16, 4289-4309.	5.8	17
2	Food bioactives lowering risks of chronic diseases induced by fine particulate air pollution: a comprehensive review. Critical Reviews in Food Science and Nutrition, 2023, 63, 7811-7836.	5.4	2
3	Wet-chemical synthesis of two-dimensional metal nanomaterials for electrocatalysis. National Science Review, 2022, 9, nwab142.	4.6	41
4	Synthesis of Pd₃Sn and PdCuSn Nanorods with L1₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115.	11.1	65
5	Preparation of fccâ€2Hâ€fcc Heterophase Pd@Ir Nanostructures for Highâ€Performance Electrochemical Hydrogen Evolution. Advanced Materials, 2022, 34, e2107399.	11.1	48
6	Rapid photocatalytic reduction of Cr(VI) with high concentration in wastewater by In2S3-ZnIn2S4 heterostructure hierarchical microtubes under visible light. Journal of Solid State Chemistry, 2022, 306, 122721.	1.4	16
7	In situ studies of energy-related electrochemical reactions using Raman and X-ray absorption spectroscopy. Chinese Journal of Catalysis, 2022, 43, 33-46.	6.9	28
8	In Situ Raman Probing of Hotâ€Electron Transfer at Goldâ€“Graphene Interfaces with Atomic Layer Accuracy. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
9	Phase engineering of metalâ€organic frameworks. Aggregate, 2022, 3, e145.	5.2	15
10	Two-dimensional material-based virus detection. Science China Chemistry, 2022, 65, 497-513.	4.2	13
11	Apparent Colors of 2D Materials. Advanced Photonics Research, 2022, 3, 2100221.	1.7	8
12	On-tissue amidation of sialic acid with aniline for sensitive imaging of sialylated N-glycans from FFPE tissue sections via MALDI mass spectrometry. Analytical and Bioanalytical Chemistry, 2022, 414, 5263-5274.	1.9	6
13	Plasmonic Coreâ€“Shell Materials: Synthesis, Spectroscopic Characterization, and Photocatalytic Applications. Accounts of Materials Research, 2022, 3, 187-198.	5.9	13
14	Deformation-Induced Phase Transformations in Gold Nanoribbons with the 4H Phase. ACS Nano, 2022, 16, 3272-3279.	7.3	5
15	Isotopic N,N-dimethyl leucine tags for absolute quantification of clusterin and apolipoprotein E in Alzheimer's disease. Journal of Proteomics, 2022, 257, 104507.	1.2	3
16	Novel sphere-like copper bismuth oxide fabricated via ethylene glycol-introduced solvothermal method with improved adsorptive and photocatalytic performance in sulfamethazine removal. Environmental Science and Pollution Research, 2022, 29, 47159-47173.	2.7	4
17	Recent Advances in the Fluorescent Probes for Flavinase Activity: Design and Applications. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
18	Assessment of Drying Kinetics, Textural and Aroma Attributes of Mentha haplocalyx Leaves during the Hot Air Thin-Layer Drying Process. Foods, 2022, 11, 784.	1.9	19

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19	Recycling plastic waste into multifunctional superhydrophobic textiles. Nano Research, 2022, 15, 9921-9925.	5.8	13
20	Pressureâ€Induced Amorphization and Crystallization of Heterophase Pd Nanostructures. Small, 2022, 18, e2106396.	5.2	9
21	Isoreticular Series of Two-Dimensional Covalent Organic Frameworks with the kgd Topology and Controllable Micropores. Journal of the American Chemical Society, 2022, 144, 6475-6482.	6.6	41
22	Rapidly electrodeposited NiFe(OH) as the catalyst for oxygen evolution reaction. Inorganic Chemistry Communication, 2022, 139, 109350.	1.8	3
23	Preparation of Au@Pd Coreâ€“Shell Nanorods with fcc-2H-fcc Heterophase for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2022, 144, 547-555.	6.6	88
24	Hybridization of 2D Nanomaterials with 3D Graphene Architectures for Electrochemical Energy Storage and Conversion. Advanced Functional Materials, 2022, 32, .	7.8	26
25	Saltâ€Assisted 2Hâ€toâ€1Tâ€² Phase Transformation of Transition Metal Dichalcogenides. Advanced Materials, 2022, 34, e2201194.	11.1	19
26	Preparation of Amorphous SnO₂â€Encapsulated Multiphased Crystalline Cu Heterostructures for Highly Efficient CO₂ Reduction. Advanced Materials, 2022, 34, e2201114.	11.1	29
27	In situ synthesis of Co-doped MoS2 nanosheet for enhanced mimicking peroxidase activity. Journal of Materials Science, 2022, 57, 8100-8112.	1.7	6
28	Polypyrrole Hollow Nanotubes Loaded with Au and Fe3O4 Nanoparticles for Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid. Chemical Research in Chinese Universities, 2022, 38, 941-948.	1.3	3
29	First-principles study of band alignment and electronic structure of Arsenene/SnS2 heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115271.	1.3	3
30	Metal Oxide Semiconductor Sensors for Triethylamine Detection: Sensing Performance and Improvements. Chemosensors, 2022, 10, 231.	1.8	27
31	Complete genome sequence of Micromonospora craniellae LHW63014T, a potential metal ion-chelating agent producer. Marine Genomics, 2021, 57, 100830.	0.4	1
32	Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets. Angewandte Chemie - International Edition, 2021, 60, 3047-3054.	7.2	18
33	Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets. Angewandte Chemie, 2021, 133, 3084-3091.	1.6	4
34	Quasiâ€Epitaxial Growth of Magnetic Nanostructures on 4Hâ€Au Nanoribbons. Advanced Materials, 2021, 33, e2007140.	11.1	18
35	Advances in the extraction, purification, structural-property relationships and bioactive molecular mechanism of Flammulina velutipes polysaccharides: A review. International Journal of Biological Macromolecules, 2021, 167, 528-538.	3.6	45
36	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, e2006711.	11.1	68

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37	Emerging beyond-graphene elemental 2D materials for energy and catalysis applications. Chemical Society Reviews, 2021, 50, 10983-11031.	18.7	170
38	Evaluation of the phytotoxicity of nano-particles on mung beans by internal extractive electrospray ionization mass spectrometry. Analyst, The, 2021, 146, 5675-5681.	1.7	3
39	Recent developments in 2D transition metal dichalcogenides: phase transition and applications of the (quasi-)metallic phases. Chemical Society Reviews, 2021, 50, 10087-10115.	18.7	135
40	RÃ¼cktitelbild: Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets (Angew. Chem. 6/2021). Angewandte Chemie, 2021, 133, 3352-3352.	1.6	0
41	Preparation of CdS_ySe_{1â^'}_yâ€MoS₂ Heterostructures via Cation Exchange of Preâ€Epitaxially Synthesized Cu_{2â^'}_{Ì‡}S_ySe_{1â^'}_yâ€MoS₂ for Photocatalytic Hydrogen Evolution. Small, 2021, 17, e2006135.	5.2	11
42	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rhâ€“Au Heterostructures for Highly Efficient Hydrogen Evolution. Journal of the American Chemical Society, 2021, 143, 4387-4396.	6.6	56
43	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	4.7	64
44	Highâ€Yield Exfoliation of Ultrathin 2D Ni₃Cr₂P₂S₉ and Ni₃Cr₂P₂Se₉ Nanosheets. Small, 2021, 17, e2006866.	5.2	8
45	Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. Chemical Reviews, 2021, 121, 5830-5888.	23.0	57
46	Metastable 1Tâ€²-phase group VIB transition metal dichalcogenide crystals. Nature Materials, 2021, 20, 1113-1120.	13.3	119
47	Ultrathin 2D Copper(I) 1,2,4â€Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. Advanced Materials, 2021, 33, e2100849.	11.1	38
48	Au@ZIF-8 Coreâ€“Shell Nanoparticles as a SERS Substrate for Volatile Organic Compound Gas Detection. Analytical Chemistry, 2021, 93, 7188-7195.	3.2	59
49	Highâ€resolution magnetic resonance and mass spectrometry imaging of the human larynx. Journal of Anatomy, 2021, 239, 545-556.	0.9	2
50	Light-matter interactions in high quality manganese-doped two-dimensional molybdenum diselenide. Science China Materials, 2021, 64, 2507-2518.	3.5	6
51	Enriching the library of axial superlattice nanowires. Science China Materials, 2021, 64, 2627-2628.	3.5	0
52	Chemical Vapor Deposition of Superconducting FeTe_{1â€“x}Se_x Nanosheets. Nano Letters, 2021, 21, 5338-5344.	4.5	15
53	Selfâ€Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO 2. Small Structures, 2021, 2, 2100067.	6.9	8
54	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Coreâ€“Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2021, 143, 11262-11270.	6.6	121

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55	Nanodots Derived from Layered Materials: Synthesis and Applications. Advanced Materials, 2021, 33, e2006661.	11.1	29
56	Special issue dedicated to Professor Daoben Zhu on the occasion of his 80th birthday. SmartMat, 2021, 2, 251-251.	6.4	0
57	Metabolism of Phenolics of Tetrastigma hemsleyanum Roots under In Vitro Digestion and Colonic Fermentation as Well as Their In Vivo Antioxidant Activity in Rats. Foods, 2021, 10, 2123.	1.9	11
58	Direct quantitative profiling of amino acids in tissues for the assessment of lung cancer. Talanta, 2021, 233, 122544.	2.9	9
59	Quantification and molecular imaging of fatty acid isomers from complex biological samples by mass spectrometry. Chemical Science, 2021, 12, 8115-8122.	3.7	32
60	Understanding electrochemical interfaces using in situ coreâ€“shell nanoparticle-enhanced Raman spectroscopy. Frontiers of Nanoscience, 2021, 18, 295-342.	0.3	0
61	Tipâ€Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. Advanced Materials, 2021, 33, e2007377.	11.1	179
62	Antioxidant Activity and Probiotic Proliferation and Acidifying Activity of Intracellular Polysaccharides from the Shaggy Ink Cap Medicinal Mushroom, Coprinus comatus (Agaricomycetes), under Optimal Polysaccharide Synthase Activity. International Journal of Medicinal Mushrooms, 2021, 23, 23-34.	0.9	2
63	Recent Progress on Two-Dimensional Materials. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	2.2	269
64	Kudzu Resistant Starch: An Effective Regulator of Type 2 Diabetes Mellitus. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	20
65	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 17292-17299.	6.6	59
66	Green Pea (Pisum sativum L.) Hull Polyphenol Extracts Ameliorate DSS-Induced Colitis through Keap1/Nrf2 Pathway and Gut Microbiota Modulation. Foods, 2021, 10, 2765.	1.9	28
67	Programmable Materials. Advanced Materials, 2021, 33, e2107344.	11.1	8
68	Review of Recent Advances in Lipid Analysis of Biological Samples via Ambient Ionization Mass Spectrometry. Metabolites, 2021, 11, 781.	1.3	8
69	Modeling Microstructure Effect on Thermal Conductivity of Aerogel-Based Vacuum Insulation Panels. Heat Transfer Engineering, 2020, 41, 882-895.	1.2	8
70	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. Advanced Energy Materials, 2020, 10, 1900486.	10.2	123
71	Layered Transition Metal Dichalcogenideâ€Based Nanomaterials for Electrochemical Energy Storage. Advanced Materials, 2020, 32, e1903826.	11.1	329
72	String of pyrolyzed ZIF-67 particles on carbon fibers for high-performance electrocatalysis. Energy Storage Materials, 2020, 25, 137-144.	9.5	102

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73	Ultra-thin metal-organic framework nanoribbons. National Science Review, 2020, 7, 46-52.	4.6	38
74	Modified photochemical strategy to support highly-purity, dense and monodisperse Au nanospheres on graphene oxide for optimizing SERS detection. Talanta, 2020, 209, 120535.	2.9	20
75	Thermal Effect and Rayleigh Instability of Ultrathin 4H Hexagonal Gold Nanoribbons. Matter, 2020, 2, 658-665.	5.0	30
76	Solvent exchange as a synthetic handle for controlling molecular crystals. Carbon, 2020, 160, 188-195.	5.4	2
77	Engineering grain boundaries at theÂ2D limit for theÂhydrogen evolution reaction. Nature Communications, 2020, 11, 57.	5.8	153
78	Ambient mass spectrometry for the molecular diagnosis of lung cancer. Analyst, The, 2020, 145, 313-320.	1.7	14
79	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. Journal of the American Chemical Society, 2020, 142, 18971-18980.	6.6	111
80	Biomimetic epidermal sensors assembled from polydopamine-modified reduced graphene oxide/polyvinyl alcohol hydrogels for the real-time monitoring of human motions. Journal of Materials Chemistry B, 2020, 8, 10549-10558.	2.9	31
81	Recent advances of two-dimensional materials in smart drug delivery nano-systems. Bioactive Materials, 2020, 5, 1071-1086.	8.6	119
82	Ionic liquid induced highly dense assembly of porphyrin in MOF nanosheets for photodynamic therapy. Dalton Transactions, 2020, 49, 17772-17778.	1.6	128
83	Rational Design of MOFâ€Based Hybrid Nanomaterials for Directly Harvesting Electric Energy from Water Evaporation. Advanced Materials, 2020, 32, e2003720.	11.1	129
84	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. CheM, 2020, 6, 2382-2394.	5.8	163
85	Room-Temperature Valley Polarization in Atomically Thin Semiconductors via Chalcogenide Alloying. ACS Nano, 2020, 14, 9873-9883.	7.3	30
86	Undercoordinated Active Sites on 4H Gold Nanostructures for CO₂ Reduction. Nano Letters, 2020, 20, 8074-8080.	4.5	46
87	On-Tissue Derivatization with Girardâ€™s Reagent P Enhances N-Glycan Signals for Formalin-Fixed Paraffin-Embedded Tissue Sections in MALDI Mass Spectrometry Imaging. Analytical Chemistry, 2020, 92, 13361-13368.	3.2	45
88	Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis. Accounts of Chemical Research, 2020, 53, 2106-2118.	7.6	75
89	Reinforced macromolecular micelle-crosslinked hyaluronate gels induced by water/DMSO binary solvent. Soft Matter, 2020, 16, 8647-8654.	1.2	5
90	Comparative study of alterations in phospholipid profiles upon liver cancer in humans and mice. Analyst, The, 2020, 145, 6470-6477.	1.7	10

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91	Phase Engineering of Nanomaterials for Clean Energy and Catalytic Applications. Advanced Energy Materials, 2020, 10, 2002019.	10.2	85
92	Precise Dimerization of Hollow Fullerene Compartments. Journal of the American Chemical Society, 2020, 142, 15396-15402.	6.6	22
93	Selective detection of phospholipids in human blood plasma and single cells for cancer differentiation using dispersed solid-phase microextraction combined with extractive electrospray ionization mass spectrometry. Analyst, The, 2020, 145, 7330-7339.	1.7	14
94	A universal method for rapid and largeâ€scale growth of layered crystals. SmartMat, 2020, 1, e1011.	6.4	33
95	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. Nano Research, 2020, 13, 1970-1975.	5.8	32
96	Two-Dimensional Nanomaterials with Unconventional Phases. CheM, 2020, 6, 1237-1253.	5.8	93
97	Covalency competition dominates the water oxidation structureâ€“activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563.	16.1	284
98	Ferroelectric-field accelerated charge transfer in 2D CuInP2S6 heterostructure for enhanced photocatalytic H2 evolution. Nano Energy, 2020, 76, 104972.	8.2	84
99	Masking quercetin: A simple strategy for selective detection of rutin by combination of bovine serum albumin and fluorescent silicon nanoparticles. Analytica Chimica Acta, 2020, 1126, 7-15.	2.6	16
100	Ethylene Selectivity in Electrocatalytic CO₂ Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. Journal of the American Chemical Society, 2020, 142, 12760-12766.	6.6	183
101	In-Situ Probing of Crystal-Phase-Dependent Photocatalytic Activities of Au Nanostructures by Surface-Enhanced Raman Spectroscopy. , 2020, 2, 409-414.		22
102	Optical Spectroscopy of Single Colloidal CsPbBr₃ Perovskite Nanoplatelets. Nano Letters, 2020, 20, 3673-3680.	4.5	47
103	3D Bioprinting Microgels: Direct 3D Printed Biomimetic Scaffolds Based on Hydrogel Microparticles for Cell Spheroid Growth (Adv. Funct. Mater. 13/2020). Advanced Functional Materials, 2020, 30, 2070085.	7.8	1
104	Ag@MoS₂ Coreâ€“Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS₂. Journal of the American Chemical Society, 2020, 142, 7161-7167.	6.6	185
105	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 5131-5134.	2.2	28
106	Phase engineering of nanomaterials. Nature Reviews Chemistry, 2020, 4, 243-256.	13.8	438
107	Heterophase fcc-2H-fcc gold nanorods. Nature Communications, 2020, 11, 3293.	5.8	92
108	Preparation of hierarchical hollow structures assembled from porous NiCo 2 O 4 nanosheets for diesel soot elimination. EcoMat, 2020, 2, e12041.	6.8	2

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109	Recent Progress on Tissue Analysis by Mass Spectrometry without Sample Pretreatment. Chinese Journal of Analytical Chemistry, 2020, 48, 827-837.	0.9	4
110	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 13162-13169.	6.6	85
111	Quantification of Trace Organophosphorus Pesticides in Environmental Water via Enrichment by Magnetic-Zirconia Nanocomposites and Online Extractive Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2020, 92, 4137-4145.	3.2	34
112	Ultra-clean PtPd nanoflowers loaded on GO supports with enhanced low-temperature electrocatalytic activity for fuel cells in harsh environment. Applied Surface Science, 2020, 511, 145603.	3.1	28
113	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metalâ€“Organic Framework Composites. Small Methods, 2020, 4, 1900890.	4.6	22
114	Ultrathin Ni(0)â€Embedded Ni(OH)₂ Heterostructured Nanosheets with Enhanced Electrochemical Overall Water Splitting. Advanced Materials, 2020, 32, e1906915.	11.1	259
115	Enrichment of phospholipids using magnetic Fe3O4/TiO2 nanoparticles for quantitative detection at single cell levels by electrospray ionization mass spectrometry. Talanta, 2020, 212, 120769.	2.9	13
116	Ligandâ€Exchangeâ€Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, e1902964.	11.1	164
117	Synthesis of Palladiumâ€Based Crystalline@Amorphous Coreâ€“Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, e2000482.	11.1	98
118	Imparting Boron Nanosheets with Ambient Stability through Methyl Group Functionalization for Mechanistic Investigation of Their Lithiation Process. ACS Applied Materials & Interfaces, 2020, 12, 23370-23377.	4.0	15
119	Selective Epitaxial Growth of Oriented Hierarchical Metalâ€“Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	6.6	100
120	On-chip electrocatalytic microdevice: an emerging platform for expanding the insight into electrochemical processes. Chemical Society Reviews, 2020, 49, 2916-2936.	18.7	68
121	Direct 3D Printed Biomimetic Scaffolds Based on Hydrogel Microparticles for Cell Spheroid Growth. Advanced Functional Materials, 2020, 30, 1910573.	7.8	99
122	SmartMat: Smart materials to Smart world. SmartMat, 2020, 1, .	6.4	25
123	The Shaggy Ink Cap Medicinal Mushroom, Coprinus comatus (Agaricomycetes), a Versatile Functional Species: A Review. International Journal of Medicinal Mushrooms, 2020, 22, 245-255.	0.9	4
124	Defect-Rich, Candied Haws-Shaped AuPtNi Alloy Nanostructures for Highly Efficient Electrocatalysis. CCS Chemistry, 2020, 2, 24-30.	4.6	23
125	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. Science China Materials, 2019, 62, 115-121.	3.5	16
126	Transient Energy Reservoir in 2D Perovskites. Advanced Optical Materials, 2019, 7, 1900971.	3.6	46

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127	Synergistic additive-mediated CVD growth and chemical modification of 2D materials. Chemical Society Reviews, 2019, 48, 4639-4654.	18.7	108
128	Sequential Detection of Lipids, Metabolites, and Proteins in One Tissue for Improved Cancer Differentiation Accuracy. Analytical Chemistry, 2019, 91, 10532-10540.	3.2	20
129	Self-gating in semiconductor electrocatalysis. Nature Materials, 2019, 18, 1098-1104.	13.3	167
130	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. National Science Review, 2019, 6, 955-961.	4.6	75
131	Unusual 4H-phase twinned noble metal nanokites. Nature Communications, 2019, 10, 2881.	5.8	25
132	Convenient Synthesis of 3D Fluffy PtPd Nanocorals Loaded on 2D h-BN Supports as Highly Efficient and Stable Electrocatalysts for Alcohol Oxidation Reaction. ACS Omega, 2019, 4, 11163-11172.	1.6	19
133	Inâ€...situ Spectroscopic Insight into the Origin of the Enhanced Performance of Bimetallic Nanocatalysts towards the Oxygen Reduction Reaction (ORR). Angewandte Chemie - International Edition, 2019, 58, 16062-16066.	7.2	135
134	Synthesis of RuNi alloy nanostructures composed of multilayered nanosheets for highly efficient electrocatalytic hydrogen evolution. Nano Energy, 2019, 66, 104173.	8.2	116
135	Quest for p-Type Two-Dimensional Semiconductors. ACS Nano, 2019, 13, 12294-12300.	7.3	72
136	Simultaneous determination of paracetamol and p-aminophenol using glassy carbon electrode modified with nitrogen- and sulfur- co-doped carbon dots. Mikrochimica Acta, 2019, 186, 733.	2.5	33
137	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. Nano-Micro Letters, 2019, 11, 86.	14.4	37
138	Heterostructured TiO₂ Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. Advanced Materials, 2019, 31, e1904589.	11.1	73
139	Elemental Segregation in Multimetallic Coreâ€“Shell Nanoplates. Journal of the American Chemical Society, 2019, 141, 14496-14500.	6.6	46
140	Sizeâ€Đependent Phase Transformation of Noble Metal Nanomaterials. Small, 2019, 15, e1903253.	5.2	16
141	Engineering channels of metalâ€“organic frameworks to enhance catalytic selectivity. Chemical Communications, 2019, 55, 11770-11773.	2.2	27
142	An additional electron-phonon coupling enhancement for improving SERS activity by supporting core-shell Au@Ag particles on carbon nanotubes. Applied Physics Letters, 2019, 115, .	1.5	4
143	Synergy effect of carbon nanotube and graphene hydrogel on highly efficient quantum dot sensitized solar cells. Electrochimica Acta, 2019, 327, 134937.	2.6	15
144	Linearly Polarized Luminescence of Atomically Thin MoS₂ Semiconductor Nanocrystals. ACS Nano, 2019, 13, 13006-13014.	7.3	24

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145	Differentiation of cultivation areas and crop years of milled rice using single grain mass spectrometry. New Journal of Chemistry, 2019, 43, 2118-2125.	1.4	5
146	Two-dimensional C₆₀ nano-meshes via crystal transformation. Nanoscale, 2019, 11, 8692-8698.	2.8	25
147	Generating Supercharged Protein Ions for Breath Analysis by Extractive Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2019, 91, 3215-3220.	3.2	14
148	Highly Efficient Znâ€“Cuâ€“Inâ€“Se Quantum Dot-Sensitized Solar Cells through Surface Capping with Ascorbic Acid. ACS Applied Materials & Interfaces, 2019, 11, 6927-6936.	4.0	48
149	Optical and electrical properties of two-dimensional palladium diselenide. Applied Physics Letters, 2019, 114, .	1.5	74
150	Understanding the strain effect of Au@Pd nanocatalysts by in situ surface-enhanced Raman spectroscopy. Chemical Communications, 2019, 55, 8824-8827.	2.2	11
151	A Review: The Bioactivities and Pharmacological Applications of Phellinus linteus. Molecules, 2019, 24, 1888.	1.7	55
152	Coupling of micro-solid-phase extraction and internal extractive electrospray ionization mass spectrometry for ultra-sensitive detection of 1-hydroxypyrene and papaverine in human urine samples. Analytical and Bioanalytical Chemistry, 2019, 411, 3281-3290.	1.9	9
153	Robust, Easyâ€Cleaning Superhydrophobic/Superoleophilic Copper Meshes for Oil/Water Separation under Harsh Conditions. Advanced Materials Interfaces, 2019, 6, 1900158.	1.9	20
154	MOFâ€Based Hierarchical Structures for Solarâ€Thermal Clean Water Production. Advanced Materials, 2019, 31, e1808249.	11.1	233
155	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and Highâ€Rate Sodium Storage. Advanced Materials, 2019, 31, e1900526.	11.1	83
156	Zn-Ag-In-S quantum dot sensitized solar cells with enhanced efficiency by tuning defects. Journal of Colloid and Interface Science, 2019, 547, 267-274.	5.0	25
157	Inâ€Plane Anisotropic Properties of 1Tâ€²â€MoS₂ Layers. Advanced Materials, 2019, 31, e1807764.	11.1	55
158	The Dominant Energy Transport Pathway in Halide Perovskites: Photon Recycling or Carrier Diffusion?. Advanced Energy Materials, 2019, 9, 1900185.	10.2	85
159	Emerging Carbons. Advanced Materials, 2019, 31, 1808208.	11.1	3
160	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. ACS Nano, 2019, 13, 14329-14336.	7.3	133
161	Nanocarbon Chemistry. Small, 2019, 15, e1905367.	5.2	2
162	Recent Progress in Grapheneâ€Based Nobleâ€Metal Nanocomposites for Electrocatalytic Applications. Advanced Materials, 2019, 31, e1800696.	11.1	219

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163	Enhancing Loading Amount and Performance of Quantum-Dot-Sensitized Solar Cells Based on Direct Adsorption of Quantum Dots from Bicomponent Solvents. Journal of Physical Chemistry Letters, 2019, 10, 229-237.	2.1	21
164	A general and facile method for preparation of large-scale reduced graphene oxide films with controlled structures. Carbon, 2019, 143, 162-171.	5.4	30
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