Hua Zhang

List of PR Articles by Year in descending order

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399 PR articles	56,633 PR citations	549 111 PR h-index	624 231 g-index
434 documents	66276 doc citations	642 119 h-index	56200 citing authors

#	Article	IF	PR Citations
1	2Hâ€Au Nanosheetâ€Templated Growth of PdFe for Electrocatalytic Methanol Oxidation. Advanced Functional Materials, 2025, 35, .	17.0	9
2	Phaseâ€Controlled Growth of 1Tâ€²â€MoS₂ Nanoribbons on 1Hâ€MoS₂ Nanosheets. Advanced Materials, 2024, 36, .	24.5	33
3	Phase Engineering of Nanomaterials: Transition Metal Dichalcogenides. Chemical Reviews, 2024, 124, 4479-4539.	52.7	103
4	1Tâ€²-transition metal dichalcogenide monolayers stabilized on 4H-Au nanowires for ultrasensitive SERS detection. Nature Materials, 2024, 23, 1355-1362.	35.2	60
5	Crystalâ€Phaseâ€Selective Etching of Heterophase Au Nanostructures. Small Methods, 2024, 8, .	9.0	3
6	Facet-Controlled Synthesis of Unconventional-Phase Metal Alloys for Highly Efficient Hydrogen Oxidation. Journal of the American Chemical Society, 2024, 146, 24141-24149.	15.0	28
7	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.	11.0	5
8	Recent Progress on Monoelemental Nanomaterials with Unconventional Crystal Phases. Accounts of Materials Research, 2023, 4, 359-372.	12.4	16
9	Reversible Semimetalâ€“Semiconductor Transition of Unconventional-Phase WS₂ Nanosheets. Journal of the American Chemical Society, 2023, 145, 13444-13451.	15.0	27
10	Ligand-Assisted Phase Engineering of Nanomaterials. Accounts of Chemical Research, 2023, 56, 1780-1790.	17.1	24
11	Epitaxial growth of highly symmetrical branched noble metal-semiconductor heterostructures with efficient plasmon-induced hot-electron transfer. Nature Communications, 2023, 14, .	13.9	49
12	Seeded Synthesis of Hollow PdSn Intermetallic Nanomaterials for Highly Efficient Electrocatalytic Glycerol Oxidation. Advanced Materials, 2023, 35, .	24.5	68
13	Synthesis of 2H/fccâ€Heterophase AuCu Nanostructures for Highly Efficient Electrochemical CO₂ Reduction at Industrial Current Densities. Advanced Materials, 2023, 35, .	24.5	27
14	Phase-dependent growth of Pt on MoS2 for highly efficient H2 evolution. Nature, 2023, 621, 300-305.	38.7	387
15	Room-temperature-processed transparent hemispherical optoelectronic array for electronic eyes. Materials Today, 2023, 69, 31-40.	14.0	8
16	Two-dimensional semiconductors integrated with hybrid dielectrics for post-Moore electronics. National Science Review, 2023, 10, .	9.8	1
17	Recent Progress on Phase Engineering of Nanomaterials. Chemical Reviews, 2023, 123, 13489-13692.	52.7	34
18	Recent Progress on Phase Engineering of Nanomaterials. Chemical Reviews, 2023, 123, 13489-13692.	52.7	99

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19	Wet-chemical synthesis of two-dimensional metal nanomaterials for electrocatalysis. National Science Review, 2022, 9, .	9.8	80
20	Synthesis of Pd₃Sn and PdCuSn Nanorods with L1₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, .	24.5	104
21	Preparation of fccâ€2Hâ€fcc Heterophase Pd@Ir Nanostructures for Highâ€Performance Electrochemical Hydrogen Evolution. Advanced Materials, 2022, 34, .	24.5	79
22	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.	3.3	22
23	Phase engineering of metalâ€organic frameworks. Aggregate, 2022, 3, .	12.6	30
24	Two-dimensional material-based virus detection. Science China Chemistry, 2022, 65, 497-513.	8.3	27
25	Apparent Colors of 2D Materials. Advanced Photonics Research, 2022, 3, .	3.5	30
26	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.	3.5	15
27	Deformation-Induced Phase Transformations in Gold Nanoribbons with the 4H Phase. ACS Nano, 2022, 16, 3272-3279.	15.3	13
28	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.	4.4	10
29	Assessment of Drying Kinetics, Textural and Aroma Attributes of Mentha haplocalyx Leaves during the Hot Air Thin-Layer Drying Process. Foods, 2022, 11, 784.	4.7	34
30	Recycling plastic waste into multifunctional superhydrophobic textiles. Nano Research, 2022, 15, 9921-9925.	8.6	23
31	Pressureâ€Induced Amorphization and Crystallization of Heterophase Pd Nanostructures. Small, 2022, 18, .	11.6	15
32	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.	15.0	93
33	Rapidly electrodeposited NiFe(OH) as the catalyst for oxygen evolution reaction. Inorganic Chemistry Communication, 2022, 139, 109350.	4.9	5
34	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.	15.0	193
35	Hybridization of 2D Nanomaterials with 3D Graphene Architectures for Electrochemical Energy Storage and Conversion. Advanced Functional Materials, 2022, 32, .	17.0	59
36	Saltâ€Assisted 2Hâ€toâ€1Tâ€² Phase Transformation of Transition Metal Dichalcogenides. Advanced Materials, 2022, 34, .	24.5	55

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37	Preparation of Amorphous SnO₂â€Encapsulated Multiphased Crystalline Cu Heterostructures for Highly Efficient CO₂ Reduction. Advanced Materials, 2022, 34, .	24.5	58
38	In situ synthesis of Co-doped MoS2 nanosheet for enhanced mimicking peroxidase activity. Journal of Materials Science, 2022, 57, 8100-8112.	3.5	14
39	Hard nanocrystalline gold materials prepared via high-pressure phase transformation. Nano Research, 2022, , .	8.6	6
40	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.	2.7	7
41	First-principles study of band alignment and electronic structure of Arsenene/SnS2 heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115271.	2.8	7
42	Room-temperature epitaxial welding of 3D and 2D perovskites. Nature Materials, 2022, 21, 1042-1049.	35.2	76
43	Phase engineering of metal nanocatalysts for electrochemical CO2 reduction. EScience, 2022, 2, 467-485.	32.1	95
44	In situ Observation of Structural Evolution and Phase Engineering of Amorphous Materials during Crystal Nucleation. Advanced Materials, 2022, 34, .	24.5	19
45	Two-Dimensional Nanomaterial-Templated Composites. Accounts of Chemical Research, 2022, 55, 3581-3593.	17.1	83
46	Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets. Angewandte Chemie - International Edition, 2021, 60, 3047-3054.	14.4	26
47	Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets. Angewandte Chemie, 2021, 133, 3084-3091.	1.4	6
48	Quasiâ€Epitaxial Growth of Magnetic Nanostructures on 4Hâ€Au Nanoribbons. Advanced Materials, 2021, 33, .	24.5	26
49	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.	8.2	70
50	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, .	24.5	114
51	Emerging beyond-graphene elemental 2D materials for energy and catalysis applications. Chemical Society Reviews, 2021, 50, 10983-11031.	37.8	362
52	Recent developments in 2D transition metal dichalcogenides: phase transition and applications of the (quasi-)metallic phases. Chemical Society Reviews, 2021, 50, 10087-10115.	37.8	288
53	RÃ¼cktitelbild: Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets (Angew. Chem. 6/2021). Angewandte Chemie, 2021, 133, 3352-3352.	1.4	0
54	Preparation of CdS_ySe_{1â^'}_yâ€MoS₂ Heterostructures via Cation Exchange of Preâ€Epitaxially Synthesized Cu_{2â^'}_{Ï‡}S_ySe_{1â^'}_yâ€MoS₂ for Photocatalytic Hydrogen Evolution. Small, 2021, 17, .	11.6	13

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55	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.	15.0	87
56	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	11.0	95
57	Highâ€Yield Exfoliation of Ultrathin 2D Ni₃Cr₂P₂S₉ and Ni₃Cr₂P₂Se₉ Nanosheets. Small, 2021, 17, .	11.6	8
58	Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. Chemical Reviews, 2021, 121, 5830-5888.	52.7	99
59	Metastable 1Tâ€²-phase group VIB transition metal dichalcogenide crystals. Nature Materials, 2021, 20, 1113-1120.	35.2	214
60	Ultrathin 2D Copper(I) 1,2,4â€Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. Advanced Materials, 2021, 33, .	24.5	63
61	Light-matter interactions in high quality manganese-doped two-dimensional molybdenum diselenide. Science China Materials, 2021, 64, 2507-2518.	6.7	10
62	Chemical Vapor Deposition of Superconducting FeTe_{1â€“x}Se_x Nanosheets. Nano Letters, 2021, 21, 5338-5344.	8.7	34
63	In-situ hydrophobic environment triggering reactive fluorescence probe to real-time monitor mitochondrial DNA damage. Frontiers of Chemical Science and Engineering, 2021, , .	3.6	6
64	Selfâ€Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO₂. Small Structures, 2021, 2, .	11.1	15
65	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.	15.0	239
66	Nanodots Derived from Layered Materials: Synthesis and Applications. Advanced Materials, 2021, 33, .	24.5	38
67	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.	4.7	20
68	Direct quantitative profiling of amino acids in tissues for the assessment of lung cancer. Talanta, 2021, 233, 122544.	5.9	16
69	Tipâ€Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. Advanced Materials, 2021, 33, .	24.5	331
70	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.	1.2	4
71	Recent Progress on Two-Dimensional Materials. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	5.2	389
72	Kudzu Resistant Starch: An Effective Regulator of Type 2 Diabetes Mellitus. Oxidative Medicine and Cellular Longevity, 2021, 2021, .	4.6	44

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73	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 17292-17299.	15.0	109
74	Green Pea (Pisum sativum L.) Hull Polyphenol Extracts Ameliorate DSS-Induced Colitis through Keap1/Nrf2 Pathway and Gut Microbiota Modulation. Foods, 2021, 10, 2765.	4.7	48
75	Review of Recent Advances in Lipid Analysis of Biological Samples via Ambient Ionization Mass Spectrometry. Metabolites, 2021, 11, 781.	3.5	18
76	Wet-chemical synthesis and applications of amorphous metal-containing nanomaterials. Nano Research, 2021, 16, 4289-4309.	8.6	36
77	Modeling Microstructure Effect on Thermal Conductivity of Aerogel-Based Vacuum Insulation Panels. Heat Transfer Engineering, 2020, 41, 882-895.	1.6	16
78	Layered Transition Metal Dichalcogenideâ€Based Nanomaterials for Electrochemical Energy Storage. Advanced Materials, 2020, 32, .	24.5	471
79	String of pyrolyzed ZIF-67 particles on carbon fibers for high-performance electrocatalysis. Energy Storage Materials, 2020, 25, 137-144.	18.1	141
80	Ultra-thin metal-organic framework nanoribbons. National Science Review, 2020, 7, 46-52.	9.8	52
81	Modified photochemical strategy to support highly-purity, dense and monodisperse Au nanospheres on graphene oxide for optimizing SERS detection. Talanta, 2020, 209, 120535.	5.9	28
82	Thermal Effect and Rayleigh Instability of Ultrathin 4H Hexagonal Gold Nanoribbons. Matter, 2020, 2, 658-665.	16.0	39
83	Solvent exchange as a synthetic handle for controlling molecular crystals. Carbon, 2020, 160, 188-195.	10.7	3
84	Engineering grain boundaries at theÂ2D limit for theÂhydrogen evolution reaction. Nature Communications, 2020, 11, .	13.9	234
85	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. Journal of the American Chemical Society, 2020, 142, 18971-18980.	15.0	168
86	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.	5.6	49
87	Recent advances of two-dimensional materials in smart drug delivery nano-systems. Bioactive Materials, 2020, 5, 1071-1086.	8.9	160
88	Ionic liquid induced highly dense assembly of porphyrin in MOF nanosheets for photodynamic therapy. Dalton Transactions, 2020, 49, 17772-17778.	3.0	141
89	Rational Design of MOFâ€Based Hybrid Nanomaterials for Directly Harvesting Electric Energy from Water Evaporation. Advanced Materials, 2020, 32, .	24.5	217
90	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. CheM, 2020, 6, 2382-2394.	16.6	233

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91	Room-Temperature Valley Polarization in Atomically Thin Semiconductors via Chalcogenide Alloying. ACS Nano, 2020, 14, 9873-9883.	15.3	42
92	Undercoordinated Active Sites on 4H Gold Nanostructures for CO₂ Reduction. Nano Letters, 2020, 20, 8074-8080.	8.7	59
93	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.	6.5	61
94	Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis. Accounts of Chemical Research, 2020, 53, 2106-2118.	17.1	112
95	Reinforced macromolecular micelle-crosslinked hyaluronate gels induced by water/DMSO binary solvent. Soft Matter, 2020, 16, 8647-8654.	2.7	10
96	Precise Dimerization of Hollow Fullerene Compartments. Journal of the American Chemical Society, 2020, 142, 15396-15402.	15.0	28
97	A universal method for rapid and largeâ€scale growth of layered crystals. SmartMat, 2020, 1, .	13.8	41
98	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. Nano Research, 2020, 13, 1970-1975.	8.6	42
99	Covalency competition dominates the water oxidation structureâ€“activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563.	41.5	532
100	Ferroelectric-field accelerated charge transfer in 2D CuInP2S6 heterostructure for enhanced photocatalytic H2 evolution. Nano Energy, 2020, 76, 104972.	16.3	124
101	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.	5.8	24
102	Ethylene Selectivity in Electrocatalytic CO₂ Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. Journal of the American Chemical Society, 2020, 142, 12760-12766.	15.0	274
103	In-Situ Probing of Crystal-Phase-Dependent Photocatalytic Activities of Au Nanostructures by Surface-Enhanced Raman Spectroscopy. , 2020, 2, 409-414.		30
104	Optical Spectroscopy of Single Colloidal CsPbBr₃ Perovskite Nanoplatelets. Nano Letters, 2020, 20, 3673-3680.	8.7	57
105	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.	15.0	262
106	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 5131-5134.	3.4	33
107	Phase engineering of nanomaterials. Nature Reviews Chemistry, 2020, 4, 243-256.	46.7	703
108	Heterophase fcc-2H-fcc gold nanorods. Nature Communications, 2020, 11, .	13.9	152

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109	Preparation of hierarchical hollow structures assembled from porous <scp>NiCo₂O₄</scp> nanosheets for diesel soot elimination. EcoMat, 2020, 2, .	11.6	4
110	Recent Progress on Tissue Analysis by Mass Spectrometry without Sample Pretreatment. Chinese Journal of Analytical Chemistry, 2020, 48, 827-837.	2.2	5
111	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 13162-13169.	15.0	125
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.	6.7	42
113	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metalâ€“Organic Framework Composites. Small Methods, 2020, 4, .	9.0	35
114	Ultrathin Ni(0)â€Embedded Ni(OH)₂ Heterostructured Nanosheets with Enhanced Electrochemical Overall Water Splitting. Advanced Materials, 2020, 32, .	24.5	353
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.	5.9	17
116	Ligandâ€Exchangeâ€Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, .	24.5	229
117	Synthesis of Palladiumâ€Based Crystalline@Amorphous Coreâ€“Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, .	24.5	144
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.	8.0	17
119	Selective Epitaxial Growth of Oriented Hierarchical Metalâ€“Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	15.0	149
120	On-chip electrocatalytic microdevice: an emerging platform for expanding the insight into electrochemical processes. Chemical Society Reviews, 2020, 49, 2916-2936.	37.8	87
121	Direct 3D Printed Biomimetic Scaffolds Based on Hydrogel Microparticles for Cell Spheroid Growth. Advanced Functional Materials, 2020, 30, .	17.0	130
122	The Shaggy Ink Cap Medicinal Mushroom, Coprinus comatus (Agaricomycetes), a Versatile Functional Species: A Review. International Journal of Medicinal Mushrooms, 2020, 22, 245-255.	1.2	11
123	Defect-Rich, Candied Haws-Shaped AuPtNi Alloy Nanostructures for Highly Efficient Electrocatalysis. CCS Chemistry, 2020, 2, 24-30.	8.7	34
124	Transient Energy Reservoir in 2D Perovskites. Advanced Optical Materials, 2019, 7, .	7.0	57
125	Synergistic additive-mediated CVD growth and chemical modification of 2D materials. Chemical Society Reviews, 2019, 48, 4639-4654.	37.8	161
126	Sequential Detection of Lipids, Metabolites, and Proteins in One Tissue for Improved Cancer Differentiation Accuracy. Analytical Chemistry, 2019, 91, 10532-10540.	6.5	26

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127	Self-gating in semiconductor electrocatalysis. Nature Materials, 2019, 18, 1098-1104.	35.2	230
128	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. National Science Review, 2019, 6, 955-961.	9.8	98
129	Unusual 4H-phase twinned noble metal nanokites. Nature Communications, 2019, 10, .	13.9	30
130	Synthesis of RuNi alloy nanostructures composed of multilayered nanosheets for highly efficient electrocatalytic hydrogen evolution. Nano Energy, 2019, 66, 104173.	16.3	149
131	Simultaneous determination of paracetamol and p-aminophenol using glassy carbon electrode modified with nitrogen- and sulfur- co-doped carbon dots. Mikrochimica Acta, 2019, 186, .	4.7	45
132	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. Nano-Micro Letters, 2019, 11, .	30.2	50
133	Heterostructured TiO₂ Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. Advanced Materials, 2019, 31, .	24.5	88
134	Elemental Segregation in Multimetallic Coreâ€“Shell Nanoplates. Journal of the American Chemical Society, 2019, 141, 14496-14500.	15.0	63
135	Sizeâ€Dependent Phase Transformation of Noble Metal Nanomaterials. Small, 2019, 15, .	11.6	28
136	Engineering channels of metalâ€“organic frameworks to enhance catalytic selectivity. Chemical Communications, 2019, 55, 11770-11773.	3.4	30
137	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, .	3.0	9
138	Synergy effect of carbon nanotube and graphene hydrogel on highly efficient quantum dot sensitized solar cells. Electrochimica Acta, 2019, 327, 134937.	5.3	30
139	Linearly Polarized Luminescence of Atomically Thin MoS₂ Semiconductor Nanocrystals. ACS Nano, 2019, 13, 13006-13014.	15.3	33
140	Two-dimensional C₆₀ nano-meshes via crystal transformation. Nanoscale, 2019, 11, 8692-8698.	5.0	29
141	Optical and electrical properties of two-dimensional palladium diselenide. Applied Physics Letters, 2019, 114, .	3.0	86
142	A Review: The Bioactivities and Pharmacological Applications of Phellinus linteus. Molecules, 2019, 24, 1888.	4.3	91
143	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.	3.5	10
144	MOFâ€Based Hierarchical Structures for Solarâ€Thermal Clean Water Production. Advanced Materials, 2019, 31, .	24.5	310

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145	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and Highâ€Rate Sodium Storage. Advanced Materials, 2019, 31, .	24.5	95
146	Inâ€Plane Anisotropic Properties of 1Tâ€²â€MoS₂ Layers. Advanced Materials, 2019, 31, .	24.5	90
147	The Dominant Energy Transport Pathway in Halide Perovskites: Photon Recycling or Carrier Diffusion?. Advanced Energy Materials, 2019, 9, .	22.6	110
148	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.	15.3	172
149	Recent Progress in Grapheneâ€Based Nobleâ€Metal Nanocomposites for Electrocatalytic Applications. Advanced Materials, 2019, 31, .	24.5	263
150	A general and facile method for preparation of large-scale reduced graphene oxide films with controlled structures. Carbon, 2019, 143, 162-171.	10.7	42
151	Ultrasensitive 2D Bi₂O₂Se Phototransistors on Silicon Substrates. Advanced Materials, 2019, 31, .	24.5	242
152	Optical fiber amplifier for quantitative and sensitive point-of-care testing of myoglobin and miRNA-141. Biosensors and Bioelectronics, 2019, 129, 87-92.	9.6	34
153	Construction of pure worm-like AuAg nanochains for ultrasensitive SERS detection of pesticide residues on apple surfaces. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 241-247.	4.3	45
154	Synthesis of MoX2 (X = Se or S) monolayers with high-concentration 1Tâ€² phase on 4H/fcc-Au nanorods for hydrogen evolution. Nano Research, 2019, 12, 1301-1305.	8.6	55
155	Insight into the reduction and property of graphene hydrogel for high efficiency composite counter electrodes and solar cells. Electrochimica Acta, 2019, 297, 980-987.	5.3	10
156	Highly Efficient and Stable Hydrogen Production in All pH Range by Two-Dimensional Structured Metal-Doped Tungsten Semicarbides. Research, 2019, 2019, .	7.9	47
157	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. Research, 2019, 2019, .	7.9	10
158	Novel structured transition metal dichalcogenide nanosheets. Chemical Society Reviews, 2018, 47, 3301-3338.	37.8	362
159	Ru nanodendrites composed of ultrathin fcc/hcp nanoblades for the hydrogen evolution reaction in alkaline solutions. Chemical Communications, 2018, 54, 4613-4616.	3.4	71
160	Transformable masks for colloidal nanosynthesis. Nature Communications, 2018, 9, .	13.9	79
161	In Situ Grown Epitaxial Heterojunction Exhibits Highâ€Performance Electrocatalytic Water Splitting. Advanced Materials, 2018, 30, .	24.5	425
162	An energy-efficient method for mitigating membrane fouling: A novel embodiment of the inverse fluidized bed. Separation Science and Technology, 2018, 53, 683-695.	2.3	4

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163	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu²⁺ in Living Cells. ACS Applied Materials & Interfaces, 2018, 10, 1028-1032.	8.0	55
164	Preparation of Highâ€Percentage 1Tâ€Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, .	24.5	416
165	Transforming Monolayer Transition-Metal Dichalcogenide Nanosheets into One-Dimensional Nanoscrolls with High Photosensitivity. ACS Applied Materials & Interfaces, 2018, 10, 13011-13018.	8.0	64
166	High phase-purity 1Tâ€²-MoS2- and 1Tâ€²-MoSe2-layered crystals. Nature Chemistry, 2018, 10, 638-643.	18.8	990
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