

Fuqiang Huang

List of Publications by Year in descending order

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300
papers

16,445
citations

19608

61
h-index

19136

118
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304
all docs

304
docs citations

304
times ranked

19491
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-doped mesoporous carbon of extraordinary capacitance for electrochemical energy storage. <i>Science</i> , 2015, 350, 1508-1513.	6.0	1,821
2	Black titanium dioxide (TiO ₂) nanomaterials. <i>Chemical Society Reviews</i> , 2015, 44, 1861-1885.	18.7	1,148
3	Visible-light photocatalytic, solar thermal and photoelectrochemical properties of aluminium-reduced black titania. <i>Energy and Environmental Science</i> , 2013, 6, 3007.	15.6	626
4	H ₂ O ₂ -Doped Black Titania with Very High Solar Absorption and Excellent Photocatalysis Enhanced by Localized Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2013, 23, 5444-5450.	7.8	621
5	Core-Shell Nanostructured "Black" Rutile Titania as Excellent Catalyst for Hydrogen Production Enhanced by Sulfur Doping. <i>Journal of the American Chemical Society</i> , 2013, 135, 17831-17838.	6.6	425
6	Effective nonmetal incorporation in black titania with enhanced solar energy utilization. <i>Energy and Environmental Science</i> , 2014, 7, 967.	15.6	376
7	Coexistence of superconductivity and antiferromagnetism in (Li _{0.8} Fe _{0.2})OHFeSe. <i>Nature Materials</i> , 2015, 14, 325-329.	13.3	330
8	Constructing Black Titania with Unique Nanocage Structure for Solar Desalination. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31716-31721.	4.0	280
9	Highly Conductive Porous Graphene/Ceramic Composites for Heat Transfer and Thermal Energy Storage. <i>Advanced Functional Materials</i> , 2013, 23, 2263-2269.	7.8	277
10	Progress in Black Titania: A New Material for Advanced Photocatalysis. <i>Advanced Energy Materials</i> , 2016, 6, 1600452.	10.2	251
11	Well-Dispersed Ruthenium in Mesoporous Crystal TiO ₂ as an Advanced Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 5719-5727.	6.6	224
12	Hydrogenated Blue Titania for Efficient Solar to Chemical Conversions: Preparation, Characterization, and Reaction Mechanism of CO ₂ Reduction. <i>ACS Catalysis</i> , 2018, 8, 1009-1017.	5.5	223
13	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. <i>Advanced Materials</i> , 2017, 29, 1700136.	11.1	212
14	A facile preparation route for boron-doped graphene, and its CdTe solar cell application. <i>Energy and Environmental Science</i> , 2011, 4, 862-865.	15.6	208
15	A New Tubular Graphene Form of a Tetrahedrally Connected Cellular Structure. <i>Advanced Materials</i> , 2015, 27, 5943-5949.	11.1	193
16	Rational design of cobalt-chromium layered double hydroxide as a highly efficient electrocatalyst for water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11292-11298.	5.2	191
17	Black brookite titania with high solar absorption and excellent photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9650.	5.2	175
18	Observation of Superconductivity in Tetragonal FeS. <i>Journal of the American Chemical Society</i> , 2015, 137, 10148-10151.	6.6	170

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19	Direct growth of few-layer graphene films on SiO ₂ substrates and their photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 411-416.	6.7	168
20	Atomic-Sized Pores Enhanced Electrocatalysis of TaS ₂ Nanosheets for Hydrogen Evolution. <i>Advanced Materials</i> , 2016, 28, 8945-8949.	11.1	167
21	Novel Black BiVO ₄ /TiO ₂ Photoanode with Enhanced Photon Absorption and Charge Separation for Efficient and Stable Solar Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1901287.	10.2	161
22	Enhanced Electron Transport in Nb-Doped TiO ₂ Nanoparticles via Pressure-Induced Phase Transitions. <i>Journal of the American Chemical Society</i> , 2014, 136, 419-426.	6.6	151
23	Highly Conductive and Flexible Paper of 1D Silver-Nanowire-Doped Graphene. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1408-1413.	4.0	144
24	Conductive Carbon Nitride for Excellent Energy Storage. <i>Advanced Materials</i> , 2017, 29, 1701674.	11.1	142
25	New Layered Materials: Syntheses, Structures, and Optical and Magnetic Properties of CsGdZnSe ₃ , CsZrCuSe ₃ , CsLiCuSe ₃ , and BaGdCuSe ₃ . <i>Inorganic Chemistry</i> , 2001, 40, 5123-5126.	1.9	137
26	Metastable MoS ₂ : Crystal Structure, Electronic Band Structure, Synthetic Approach and Intriguing Physical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 15942-15954.	1.7	133
27	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS ₂ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1232-1235.	7.2	126
28	Controlled Phase Evolution from Co Nanochains to CoO Nanocubes and Their Application as OER Catalysts. <i>ACS Energy Letters</i> , 2017, 2, 1208-1213.	8.8	125
29	Highly conductive three-dimensional graphene for enhancing the rate performance of LiFePO ₄ cathode. <i>Journal of Power Sources</i> , 2012, 203, 130-134.	4.0	117
30	Doped, conductive SiO ₂ nanoparticles for large microwave absorption. <i>Light: Science and Applications</i> , 2018, 7, 87.	7.7	114
31	Thermal Decomposition of Bismuth Oxysulfide from Photoelectric Bi ₂ O ₂ S to Superconducting Bi ₄ O ₄ S ₃ . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4442-4448.	4.0	113
32	Evidence of anisotropic Majorana bound states in 2M-WS ₂ . <i>Nature Physics</i> , 2019, 15, 1046-1051.	6.5	104
33	Engineering Metallic Heterostructure Based on Ni ₃ N and 2M-MoS ₂ for Alkaline Water Electrolysis with Industry-Compatible Current Density and Stability. <i>Advanced Materials</i> , 2022, 34, e2108505.	11.1	104
34	Structure-dependent photocatalytic activities of MWO ₄ (M=Ca, Sr, Ba). <i>Journal of Molecular Catalysis A</i> , 2009, 302, 54-58.	4.8	103
35	Discovery of Superconductivity in 2M WS ₂ with Possible Topological Surface States. <i>Advanced Materials</i> , 2019, 31, e1901942.	11.1	102
36	New Graphene Form of Nanoporous Monolith for Excellent Energy Storage. <i>Nano Letters</i> , 2016, 16, 349-354.	4.5	100

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37	Copper nanodot-embedded graphene urchins of nearly full-spectrum solar absorption and extraordinary solar desalination. Nano Energy, 2018, 53, 425-431.	8.2	99
38	Sr ₆ Cd ₂ Sb ₆ O ₇ S ₁₀ : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. Angewandte Chemie - International Edition, 2019, 58, 8078-8081.	7.2	99
39	Large-scale preparation of highly conductive three dimensional graphene and its applications in CdTe solar cells. Journal of Materials Chemistry, 2011, 21, 17366.	6.7	96
40	Intrinsic Electron Localization of Metastable MoS ₂ Boosts Electrocatalytic Nitrogen Reduction to Ammonia. Advanced Materials, 2021, 33, e2007509.	11.1	96
41	Structural Determination and Nonlinear Optical Properties of New 1T'-Type MoS ₂ Compound. Journal of the American Chemical Society, 2019, 141, 790-793.	6.6	95
42	Photocatalytic activities of M ₂ Sb ₂ O ₇ (M=Ca, Sr) for degrading methyl orange. Applied Catalysis A: General, 2006, 313, 218-223.	2.2	94
43	Toward large-scale water treatment using nanomaterials. Nano Today, 2019, 27, 11-27.	6.2	94
44	Improved visible-light photocatalysis of nano-Bi ₂ Sn ₂ O ₇ with dispersed s-bands. Journal of Materials Chemistry, 2011, 21, 3872.	6.7	92
45	FeSe_2 nanowires	1.1	92
46	Enhanced specific capacitance by a new dual redox-active electrolyte in activated carbon-based supercapacitors. Carbon, 2019, 143, 300-308.	5.4	88
47	Hydrogenated blue titania with high solar absorption and greatly improved photocatalysis. Nanoscale, 2016, 8, 4705-4712.	2.8	86
48	Black nanostructured Nb ₂ O ₅ with improved solar absorption and enhanced photoelectrochemical water splitting. Journal of Materials Chemistry A, 2015, 3, 11830-11837.	5.2	85
49	Enhanced Superconductivity in Restacked TaS ₂ Nanosheets. Journal of the American Chemical Society, 2017, 139, 4623-4626.	6.6	84
50	Nickel catalyst stabilization via graphene encapsulation for enhanced methanation reaction. Journal of Catalysis, 2016, 334, 42-51.	3.1	81
51	Ruthenium-doped Cobalt-Chromium Layered Double Hydroxides for Enhancing Oxygen Evolution through Regulating Charge Transfer. Small, 2020, 16, e1905328.	5.2	80
52	Observation of superconductivity in 1T'-MoS ₂ nanosheets. Journal of Materials Chemistry C, 2017, 5, 10855-10860.	2.7	77
53	Gray TiO ₂ Nanowires Synthesized by Aluminum-Mediated Reduction and Their Excellent Photocatalytic Activity for Water Cleaning. Chemistry - A European Journal, 2013, 19, 13313-13316.	1.7	74
54	Black Titania for Superior Photocatalytic Hydrogen Production and Photoelectrochemical Water Splitting. ChemCatChem, 2015, 7, 2614-2619.	1.8	73

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55	Direct synthesis of ethanol via CO ₂ hydrogenation using supported gold catalysts. <i>Chemical Communications</i> , 2016, 52, 14226-14229.	2.2	73
56	Gray Ta ₂ O ₅ Nanowires with Greatly Enhanced Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 122-127.	4.0	73
57	Deep learning for depression recognition with audiovisual cues: A review. <i>Information Fusion</i> , 2022, 80, 56-86.	11.7	73
58	Organic-inorganic halide perovskite based solar cells – revolutionary progress in photovoltaics. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 315-335.	3.0	70
59	An electron injection promoted highly efficient electrocatalyst of FeNi ₃ @GR@Fe-NiOOH for oxygen evolution and rechargeable metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7762-7771.	5.2	70
60	Low-temperature rapid synthesis of high-quality pristine or boron-doped graphene via Wurtz-type reductive coupling reaction. <i>Journal of Materials Chemistry</i> , 2011, 21, 10685.	6.7	68
61	Red, green and blue emissions coexistence in white-light-emitting Ca ₁₁ (SiO ₄) ₄ (BO ₃) ₂ :Ce ³⁺ ,Eu ²⁺ ,Eu ³⁺ phosphor. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5892.	2.7	68
62	Study of LiFePO ₄ cathode modified by graphene sheets for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2013, 88, 414-420.	2.6	65
63	Research progress in stable interfacial constructions between composite polymer electrolytes and electrodes. <i>Energy and Environmental Science</i> , 2022, 15, 2753-2775.	15.6	62
64	In situ grown graphene-encapsulated germanium nanowires for superior lithium-ion storage properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8897.	5.2	59
65	Hydrogen plasma reduced black TiO ₂ B nanowires for enhanced photoelectrochemical water-splitting. <i>Journal of Power Sources</i> , 2016, 325, 697-705.	4.0	58
66	2D NbOI ₂ : A Chiral Semiconductor with Highly In-Plane Anisotropic Electrical and Optical Properties. <i>Advanced Materials</i> , 2021, 33, e2101505.	11.1	57
67	Nickel nitride-black phosphorus heterostructure nanosheets for boosting the electrocatalytic activity towards the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22063-22069.	5.2	54
68	Electron-Sharing Mechanism Promotes Co@Co ₃ O ₄ /CNTs Composite as the High-Capacity Anode Material of Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43641-43649.	4.0	53
69	Nitrogen and oxygen dual-doped carbon nanohorn for electrochemical capacitors. <i>Carbon</i> , 2017, 118, 511-516.	5.4	52
70	Ti ³⁺ -Promoted High Oxygen-Reduction Activity of Pd Nanodots Supported by Black Titania Nanobelts. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27654-27660.	4.0	50
71	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. <i>Inorganic Chemistry</i> , 2015, 54, 5768-5773.	1.9	49
72	Recent progress and perspectives of defective oxide anode materials for advanced lithium ion battery. <i>EnergyChem</i> , 2020, 2, 100045.	10.1	48

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73	Nature-derived, structure and function integrated ultra-thick carbon electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20072-20081.	5.2	48
74	Novel antimonate photocatalysts MSb ₂ O ₆ (M = Ca, Sr and Ba): a correlation between packing factor and photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10047.	1.3	47
75	Nano Titanium Monoxide Crystals and Unusual Superconductivity at 11 K. <i>Advanced Materials</i> , 2018, 30, 1706240.	11.1	47
76	Black phosphorus coupled black titania nanocomposites with enhanced sunlight absorption properties for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120211.	10.8	47
77	Structure Re-determination and Superconductivity Observation of Bulk 1T MoS ₂ . <i>Angewandte Chemie</i> , 2018, 130, 1246-1249.	1.6	46
78	Renewable P-type zeolite for superior absorption of heavy metals: Isotherms, kinetics, and mechanism. <i>Science of the Total Environment</i> , 2020, 726, 138535.	3.9	46
79	Controllable reduced black titania with enhanced photoelectrochemical water splitting performance. <i>Dalton Transactions</i> , 2017, 46, 1047-1051.	1.6	45
80	Efficient Reduction of CO ₂ to CO Using Cobalt "Cobalt Oxide Core" Shell Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 2157-2163.	1.7	45
81	A Quasi-Double-Layer Solid Electrolyte with Adjustable Interphases Enabling High-Voltage Solid-State Batteries. <i>Advanced Materials</i> , 2022, 34, e2107183.	11.1	45
82	In Situ Growth Enabling Ideal Graphene Encapsulation upon Mesocrystalline MTiO ₃ (M =) Tj ETQq0 0 0 ggBT /Overlock 10 T	8.8	44
83	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-WS ₂ . <i>Nature Communications</i> , 2021, 12, 2874.	5.8	43
84	Efficient Conversion of CO ₂ to Methane Photocatalyzed by Conductive Black Titania. <i>ChemCatChem</i> , 2017, 9, 4389-4396.	1.8	42
85	Efficient Photocatalytic Reduction of CO ₂ Using Carbon-Doped Amorphous Titanium Oxide. <i>ChemCatChem</i> , 2018, 10, 3854-3861.	1.8	42
86	Efficient catalyst of defective CeO ₂ -x and few-layer carbon hybrid for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2016, 688, 613-618.	2.8	41
87	Black rutile (Sn, Ti)O ₂ initializing electrochemically reversible Sn nanodots embedded in amorphous lithiated titania matrix for efficient lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15698-15704.	5.2	41
88	Interstitial boron-doped mesoporous semiconductor oxides for ultratransparent energy storage. <i>Nature Communications</i> , 2021, 12, 445.	5.8	41
89	Controllable synthesis of silver cyanamide as a new semiconductor photocatalyst under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7942.	5.2	40
90	Black strontium titanate nanocrystals of enhanced solar absorption for photocatalysis. <i>CrystEngComm</i> , 2015, 17, 7528-7534.	1.3	40

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91	Bi ³⁺ -doped CH ₃ NH ₃ PbI ₃ : Red-shifting absorption edge and longer charge carrier lifetime. Journal of Alloys and Compounds, 2017, 695, 555-560.	2.8	39
92	Orthorhombic Nb ₂ O ₅ - for Durable High-Rate Anode of Li-Ion Batteries. IScience, 2020, 23, 100767.	1.9	39
93	A one-pot method to grow pyrochlore H ₄ Nb ₂ O ₇ -octahedron-based photocatalyst. Journal of Materials Chemistry, 2010, 20, 1942.	6.7	38
94	Enhancing electrocatalytic water splitting by surface defect engineering in two-dimensional electrocatalysts. Nanoscale, 2021, 13, 1581-1595.	2.8	38
95	Synthesis, crystal structure, electronic structure, and photoelectric response properties of KCu ₂ Sb ₃ . Dalton Transactions, 2016, 45, 3473-3479.	1.6	36
96	Sr ₅ Ga ₈ O ₃ S ₁₄ : A Nonlinear Optical Oxysulfide with Melilite-Derived Structure and Wide Band Gap. Inorganic Chemistry, 2020, 59, 9944-9950.	1.9	36
97	High-quality single-layer nanosheets of MS ₂ (M = Mo, Nb, Ta, Ti) directly exfoliated from AMS ₂ (A = Li, Na, K) crystals. Journal of Materials Chemistry C, 2017, 5, 5977-5983.	2.7	35
98	Boron Embedded in Metal Iron Matrix as a Novel Anode Material of Excellent Performance. Advanced Materials, 2018, 30, e1801409.	11.1	35
99	Synthesis, crystal structures and optical properties of noncentrosymmetric oxysulfides AeGeS ₂ O (Ae = Sr, Ba). Dalton Transactions, 2019, 48, 14662-14668.	1.6	35
100	Biomolecule-Assisted Route to Prepare Titania Mesoporous Hollow Structures. Chemistry - A European Journal, 2011, 17, 11535-11541.	1.7	34
101	Boron-Induced Nitrogen Fixation in 3D Carbon Materials for Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 28075-28082.	4.0	34
102	Nitrogen-doped hierarchical few-layered porous carbon for efficient electrochemical energy storage. , 2021, 3, 349-359.		34
103	Bimetal Modulation Stabilizing a Metallic Heterostructure for Efficient Overall Water Splitting at Large Current Density. Advanced Science, 2022, 9, .	5.6	34
104	Surface decoration accelerates the hydrogen evolution kinetics of a perovskite oxide in alkaline solution. Energy and Environmental Science, 2020, 13, 4249-4257.	15.6	33
105	One-Step Construction of Ordered Sulfur-Terminated Tantalum Carbide MXene for Efficient Overall Water Splitting. Small Structures, 2022, 3, .	6.9	33
106	Heteroanionic Melilite Oxysulfide: A Promising Infrared Nonlinear Optical Candidate with a Strong Second-Harmonic Generation Response, Sufficient Birefringence, and Wide Bandgap. ACS Applied Materials & Interfaces, 2022, 14, 23645-23652.	4.0	33
107	Atomic Pillar Effect in PdxNbS ₂ To Boost Basal Plane Activity for Stable Hydrogen Evolution. Chemistry of Materials, 2019, 31, 4726-4731.	3.2	32
108	A three-dimensional elastic macroscopic graphene network for thermal management application. Journal of Materials Chemistry A, 2014, 2, 18215-18218.	5.2	31

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109	Synthesis of Highly Stable Graphene-Encapsulated Iron Nanoparticles for Catalytic Syngas Conversion. Particle and Particle Systems Characterization, 2015, 32, 29-34.	1.2	31
110	The production of large bilayer hexagonal graphene domains by a two-step growth process of segregation and surface-catalytic chemical vapor deposition. Carbon, 2012, 50, 2703-2709.	5.4	30
111	Enhanced Superconductivity in Rock-Salt TiO. ACS Omega, 2017, 2, 1036-1039.	1.6	30
112	Effect of structural packing on the luminescence properties in tungsten bronze compounds M ₂ KNb ₅ O ₁₅ (M=Ca, Sr, Ba). Journal of Solid State Chemistry, 2012, 192, 182-185.	1.4	29
113	Superconductivity in the metastable CaMg_2Si_2 phases of $\text{M}_2\text{X}_2\text{Si}_2$	1.9	29
114	Synthesis, Structure, Multiband Optical, and Electrical Conductive Properties of a 3D Open Cubic Framework Based on [Cu ₈ Sn ₆ S ₂₄]zâ” Clusters. Inorganic Chemistry, 2015, 54, 5301-5308.	1.9	28
115	A bridge between battery and supercapacitor for power/energy gap by using dual redox-active ions electrolyte. Chemical Engineering Journal, 2019, 375, 122054.	6.6	28
116	Revisit Electrolyte Chemistry of Hard Carbon in Ether for Na Storage. JACS Au, 2021, 1, 1208-1216.	3.6	28
117	New Layered Materials: Syntheses, Structures, and Optical Properties of K ₂ TiCu ₂ S ₄ , Rb ₂ TiCu ₂ S ₄ , Rb ₂ TiAg ₂ S ₄ , Cs ₂ TiAg ₂ S ₄ , and Cs ₂ TiCu ₂ Se ₄ . Inorganic Chemistry, 2001, 40, 2602-2607.	1.9	27
118	Honeycomb RhI ₃ Flakes with High Environmental Stability for Optoelectronics. Advanced Materials, 2020, 32, e2001979.	11.1	27
119	Co _{5.47} N loaded N-doped carbon as an efficient bifunctional oxygen electrocatalyst for a Zn-air battery. Nanoscale, 2020, 12, 6089-6095.	2.8	27
120	Synthesis, Crystal Structure, and Optical Properties of Noncentrosymmetric Na ₂ ZnSn ₄ . Inorganic Chemistry, 2018, 57, 9918-9924.	1.9	26
121	Cooperative Catalysis of Nickel and Nickel Oxide for Efficient Reduction of CO ₂ to CH ₄ . ChemCatChem, 2019, 11, 1295-1302.	1.8	25
122	A comparative overview of carbon anodes for nonaqueous alkali metal-ion batteries. Journal of Materials Chemistry A, 2021, 9, 27140-27169.	5.2	25
123	Tailoring Ultrafast and High-Capacity Sodium Storage via Binding-Energy-Driven Atomic Scissors. Advanced Materials, 2022, 34, e2200863.	11.1	25
124	Monodisperse Pt nanoparticles anchored on N-doped black TiO ₂ as high performance bifunctional electrocatalyst. Journal of Alloys and Compounds, 2017, 701, 669-675.	2.8	24
125	Suppression of graphene nucleation by plasma treatment of Cu foil for the rapid growth of large-size single-crystal graphene. Carbon, 2019, 147, 51-57.	5.4	24
126	Hierarchically porous hard carbon with graphite nanocrystals for high-rate sodium ion batteries with improved initial Coulombic efficiency. Journal of Alloys and Compounds, 2020, 817, 152703.	2.8	24

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127	Oxygen-enriched tubular carbon for efficient solar steam generation. <i>Carbon</i> , 2020, 170, 256-263.	5.4	24
128	$K_{0.38}(H_{2O})_{0.82}MoS_2$ as a universal host for rechargeable aqueous cation (K^+ , Na^+ , Li^+) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702, Td (NH₃). <i>Advanced Materials</i> , 2020, 49, 3488-3494.	1.6	24
129	Record High Superconductivity in Transition Metal Dichalcogenides Emerged in Compressed $2H-TaS_2$. <i>Advanced Materials</i> , 2022, 34, e2103168.	11.1	24
130	Atom-scale dispersed palladium in a conductive $Pd_{0.1}TaS_2$ lattice with a unique electronic structure for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22618-22624.	5.2	23
131	Observation of High Seebeck Coefficient and Low Thermal Conductivity in [SrO]-Intercalated $CuSbSe_2$ Compound. <i>Chemistry of Materials</i> , 2018, 30, 5539-5543.	3.2	23
132	Observation of superconductivity in pressurized $2M WSe_2$ crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8551-8555.	2.7	23
133	Boron and Nitrogen Co-Doped Trimodal Porous Wood-Derived Carbon for Boosting Capacitive Performance. <i>Energy Technology</i> , 2020, 8, 1900950.	1.8	23
134	Introducing sulfur vacancies and in-plane SnS_2/SnO_2 heterojunction in SnS_2 nanosheets to promote photocatalytic activity. <i>Chinese Chemical Letters</i> , 2020, 31, 2809-2813.	4.8	23
135	Enhanced Charge Carrier Lifetime of TiS_3 Photoanode by Introduction of $S_{2\cdot}$ Vacancies for Efficient Photoelectrochemical Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2020, 30, 2001286.	7.8	23
136	Ultra-Light Graphene Tile-Based Phase-Change Material for Efficient Thermal and Solar Energy Harvest. <i>ACS Applied Energy Materials</i> , 2020, 3, 5517-5522.	2.5	23
137	One-Step High-Temperature-Synthesized Single-Atom Platinum Catalyst for Efficient Selective Hydrogenation. <i>Research</i> , 2020, 2020, 9140841.	2.8	23
138	Superconductivity and phase diagram of $OHFeSe$ $xlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:msub><mml:mi>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702, Td (NH₃)</mml:mi></mml:msub></mml:mo><mml:mo>^{\sim}</mml:mo><mml:mi>x</mml:mi></mml:msub></mml:mo></mml:math>$	1.1	22
139	$K_{0.38}(H_{2O})_{0.82}MnS_2$ [Bi $_{4x}$ Mn $_{1-x}$ S $_6$], Design of a Highly Selective Ion Exchange Material and Direct Gap 2D Semiconductor. <i>Journal of the American Chemical Society</i> , 2019, 141, 16903-16914.	6.6	22
140	Sol-gel assisted chemical activation for nitrogen doped porous carbon. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 18-24.	2.2	22
141	From $CuFeS_2$ to $Ba_6Cu_2FeGe_4S_{16}$: rational band gap engineering achieves large second-harmonic-generation together with high laser damage threshold. <i>Chemical Communications</i> , 2019, 55, 14510-14513.	2.2	22
142	Molten salt assisted synthesis of black titania hexagonal nanosheets with tuneable phase composition and morphology. <i>RSC Advances</i> , 2015, 5, 85928-85932.	1.7	21
143	Prominent Electron Penetration through Ultrathin Graphene Layer from FeNi Alloy for Efficient Reduction of CO_2 to CO. <i>ChemSusChem</i> , 2017, 10, 3044-3048.	3.6	21
144	Facile Synthesis of Nitrogen and Halogen Dual-Doped Porous Graphene as an Advanced Performance Anode for Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701261.	1.9	21

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145	Intelligent system for depression scale estimation with facial expressions and case study in industrial intelligence. <i>International Journal of Intelligent Systems</i> , 2022, 37, 10140-10156.	3.3	21
146	Nodal superconductivity in FeS: Evidence from quasiparticle heat transport. <i>Physical Review B</i> , 2016, 94, .	1.1	20
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