Yi Du

List of Publications by Year in descending order

203 papers	11,770 citations	23567 58 h-index	32842 100 g-index
207 all docs	207 docs citations	207 times ranked	14718 citing authors

#	Article	IF	Citations
1	Preparation of a Bi4O5I2/Bi2O2CO3 p-n heterojunction with enhanced photocatalytic degradation performance by a one-pot solvothermal method. Materials Science in Semiconductor Processing, 2022, 141, 106447.	4.0	6
2	Novel p-n type polyimide aerogels/BiOBr heterojunction for visible light activated high efficient photocatalytic degradation of organic contaminants. Journal of Alloys and Compounds, 2022, 900, 163469.	5.5	17
3	Role of surface wettability in photoelectrocatalytic oxygen evolution reactions. Materials Today Energy, 2022, 25, 100961.	4.7	5
4	Highly efficient and selective electrocatalytic hydrogen peroxide production on Co-O-C active centers on graphene oxide. Communications Chemistry, 2022, 5, .	4.5	33
5	Understanding the origin of the high piezoelectric performance of KNN-based ceramics from the perspective of lattice distortion. Ceramics International, 2022, 48, 9731-9738.	4.8	20
6	Aqueous Electrolytes with Hydrophobic Organic Cosolvents for Stabilizing Zinc Metal Anodes. ACS Nano, 2022, 16, 9667-9678.	14.6	126
7	Roles of Cocatalysts on BiVO₄ Photoanodes for Photoelectrochemical Water Oxidation: A Minireview. Energy & Fuels, 2022, 36, 11394-11403.	5.1	14
8	Boosting Lightâ€Driven Photocatalytic Water Splitting of Bi₄NbO₈Br by Polarization Field. Solar Rrl, 2022, 6, .	5.8	4
9	Phase structure regulation and enhanced Curie temperature of (K,Na)NbO₃-based piezoelectric ceramics. Materials Technology, 2022, 37, 2955-2962.	3.0	2
10	Construction of the novel polyimide/Bi2MoO6-OVs p-n type heterojunction aerogel photocatalysts to enhance the photodegradation on organic pollutants driven by the internal electric field. Journal of Alloys and Compounds, 2022, 919, 165848.	5.5	11
11	Galliumâ€based liquid metals for lithiumâ€ion batteries. , 2022, 1, 354-372.		39
12	Facet-dependent Electronic Quantum Diffusion in the High-Order Topological Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi>Br</mml:mi><mml:m Physical Review Applied, 2022, 17, .	3.8	6
13	Progress and perspectives of bismuth oxyhalides in catalytic applications. Materials Today Physics, 2021, 16, 100294.	6.0	37
14	Nearâ€Infraredâ€Driven Photocatalysts: Design, Construction, and Applications. Small, 2021, 17, e1904107.	10.0	63
15	MoirÃ©â€Potentialâ€Induced Band Structure Engineering in Graphene and Silicene. Small, 2021, 17, e1903769.	10.0	9
16	Galliumâ€“Indiumâ€“Tin Liquid Metal Nanodroplet-Based Anisotropic Conductive Adhesives for Flexible Integrated Electronics. ACS Applied Nano Materials, 2021, 4, 550-557.	5.0	27
17	Morphology engineering of atomic layer defect-rich CoSe₂ nanosheets for highly selective electrosynthesis of hydrogen peroxide. Journal of Materials Chemistry A, 2021, 9, 21340-21346.	10.3	16
18	Application of Scanning Tunneling Microscopy in Electrocatalysis and Electrochemistry. Electrochemical Energy Reviews, 2021, 4, 249-268.	25.5	26

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19	General Programmable Growth of Hybrid Coreâ€“Shell Nanostructures with Liquid Metal Nanodroplets. Advanced Materials, 2021, 33, e2008024.	21.0	28
20	Reconstructing the Surface Structure of NaREF₄ Upconversion Nanocrystals with a Novel K⁺ Treatment. Chemistry of Materials, 2021, 33, 2548-2556.	6.7	5
21	Atomic Structural Evolution of Singleâ€Layer Pt Clusters as Efficient Electrocatalysts. Small, 2021, 17, e2100732.	10.0	26
22	Phase boundary design and enhanced electrical properties in (Bi0.5Li0.45Ag0.05)(Zr0.98Hf0.02)O3-modified KNN-based lead-free piezoceramic. Journal of Materials Science: Materials in Electronics, 2021, 32, 18240-18250.	2.2	4
23	Functional materials for ecoâ€catalysis of small molecules. EcoMat, 2021, 3, e12121.	11.9	1
24	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. Advanced Materials, 2021, 33, e2101042.	21.0	38
25	Thickness-independent scalable high-performance Li-S batteries with high areal sulfur loading via electron-enriched carbon framework. Nature Communications, 2021, 12, 4519.	12.8	139
26	Germanene Nanosheets: Achieving Superior Sodiumâ€Ion Storage via Pseudointercalation Reactions. Small Structures, 2021, 2, 2100041.	12.0	20
27	Pressure Engineering for Extending Spectral Response Range and Enhancing Photoelectric Properties of Iodine. Advanced Optical Materials, 2021, 9, 2101163.	7.3	16
28	Epitaxial Growth of Quasi-One-Dimensional Bismuth-Halide Chains with Atomically Sharp Topological Non-Trivial Edge States. ACS Nano, 2021, 15, 14850-14857.	14.6	12
29	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). Advanced Materials, 2021, 33, 2170247.	21.0	5
30	Recent Progress on 2D Kagome Magnets: Binary T_mSn_n (T = Fe,) Tj ETQq0 0 0 rgBT /Overlock 1	3.9	13
31	In situ construction of Bi4O5I2-Bi2O2CO3-BiOCl0.8I0.2 n-p-n heterojunction for enhanced photocatalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 126988.	4.7	5
32	High-strength scalable MXene films through bridging-induced densification. Science, 2021, 374, 96-99.	12.6	297
33	Fe, Cu co-doped BiOBr with improved photocatalytic ability of pollutants degradation. Journal of Alloys and Compounds, 2021, 881, 160391.	5.5	39
34	Effect of zirconium non-stoichiometry on phase structure and electrical properties of (K,Na)(Nb,Sb)O3-(Bi,Na)ZrO3 ceramics. Ceramics International, 2021, 47, 29864-29872.	4.8	6
35	Improved electrical properties and luminescence properties of lead-free KNN ceramics via phase transition. Journal of Materials Science: Materials in Electronics, 2021, 32, 28819-28829.	2.2	10
36	Enhanced photocatalytic activity of novel TiO2/Ag/MoS2/Ag nanocomposites for water-treatment. Ceramics International, 2020, 46, 4889-4896.	4.8	16

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37	Binary Pd/amorphous-SrRuO3 hybrid film for high stability and fast activity recovery ethanol oxidation electrocatalysis. Nano Energy, 2020, 67, 104247.	16.0	55
38	Au-nanoparticle-supported ZnO as highly efficient photocatalyst for H2O2 production. Catalysis Communications, 2020, 134, 105860.	3.3	39
39	High-performance room-temperature sodiumâ€“sulfur battery enabled by electrocatalytic sodium polysulfides full conversion. Energy and Environmental Science, 2020, 13, 562-570.	30.8	163
40	Liquid metals and their hybrids as stimulusâ€“responsive smart materials. Materials Today, 2020, 34, 92-114.	14.2	78
41	Ordered-vacancy-enabled indium sulphide printed in wafer-scale with enhanced electron mobility. Materials Horizons, 2020, 7, 827-834.	12.2	27
42	Boron Nitride Nanotubes for Ammonia Synthesis: Activation by Filling Transition Metals. Journal of the American Chemical Society, 2020, 142, 308-317.	13.7	105
43	Fabrication of novel ternary direct Z-schemeâ€¯+â€¯isotype heterojunction photocatalyst g-C3N4/g-C3N4/BiOBr with enhanced photocatalytic performance. Applied Surface Science, 2020, 506, 145031.	6.1	36
44	Optimization of photocarrier dynamics and activity in phosphorene with intrinsic defects for nitrogen fixation. Journal of Materials Chemistry A, 2020, 8, 20570-20580.	10.3	26
45	Control of Photocarrier Separation and Recombination at Bismuth Oxyhalide Interface for Nitrogen Fixation. Journal of Physical Chemistry Letters, 2020, 11, 9304-9312.	4.6	13
46	Promoted Photocharge Separation in 2D Lateral Epitaxial Heterostructure for Visibleâ€Lightâ€Driven CO₂ Photoreduction. Advanced Materials, 2020, 32, e2004311.	21.0	74
47	Capturing the active sites of multimetallic (oxy)hydroxides for the oxygen evolution reaction. Energy and Environmental Science, 2020, 13, 4225-4237.	30.8	186
48	High permittivity and low dielectric loss of (1-x) Bi0.5(Na0.48K0.52)0.5TiO3-xBaZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 10038-10046.	2.2	5
49	Hydrogen Terminated Germanene for a Robust Selfâ€Powered Flexible Photoelectrochemical Photodetector. Small, 2020, 16, e2000283.	10.0	58
50	Controlled hydrogenation into defective interlayer bismuth oxychloride via vacancy engineering. Communications Chemistry, 2020, 3, .	4.5	22
51	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543.	9.1	12
52	Visible-light-responsive K-doped g-C3N4/BiOBr hybrid photocatalyst with highly efficient degradation of Rhodamine B and tetracycline. Materials Science in Semiconductor Processing, 2020, 112, 105023.	4.0	61
53	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. Journal of the American Chemical Society, 2020, 142, 7036-7046.	13.7	542
54	Epitaxial growth of metal-semiconductor van der Waals heterostructures NbS2/MoS2 with enhanced performance of transistors and photodetectors. Science China Materials, 2020, 63, 1548-1559.	6.3	40

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55	Reversible Potassium Intercalation in Blue Phosphoreneâ€“Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	4.6	5
56	Laserâ€Generated Supranano Liquid Metal as Efficient Electron Mediator in Hybrid Perovskite Solar Cells. Advanced Materials, 2020, 32, e2001571.	21.0	46
57	Facile synthesis of g-C3N4/BiOClxI1-x hybrids with efficient charge separation for visible-light photocatalysis. Ceramics International, 2020, 46, 10843-10850.	4.8	20
58	Ligand-assisted cation-exchange engineering for high-efficiency colloidal Cs1â^'xFAxPbI3 quantum dot solar cells with reduced phase segregation. Nature Energy, 2020, 5, 79-88.	39.5	412
59	Transition-Metal Substitution-Induced Lattice Strain and Electrical Polarity Reversal in Monolayer WS₂. ACS Applied Materials & Interfaces, 2020, 12, 18650-18659.	8.0	20
60	The role of oxygen vacancies in the high cycling endurance and quantum conductance in BiVO₄â€based resistive switching memory. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 960-967.	17.3	21
61	New monatomic layer clusters for advanced catalysis materials. Science China Materials, 2019, 62, 149-153.	6.3	12
62	The Dependence of Bi₂MoO₆ Photocatalytic Water Oxidation Capability on Crystal Facet Engineering. ChemPhotoChem, 2019, 3, 1246-1253.	3.0	23
63	Preparation and Characterization of Mg/Al/Fe Hydrotalcite with Superb Absorption Capacity toward Congo Red. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 866-875.	1.0	5
64	General Synthetic Strategy for Pomegranate-like Transition-Metal Phosphides@N-Doped Carbon Nanostructures with High Lithium Storage Capacity. , 2019, 1, 265-271.		35
65	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). Nano Letters, 2019, 19, 5340-5346.	9.1	27
66	Efficient Photocatalytic Hydrogen Peroxide Production over TiO2 Passivated by SnO2. Catalysts, 2019, 9, 623.	3.5	29
67	Evidence for the dynamic relaxation behavior of oxygen vacancies in Aurivillius Bi2MoO6 from dielectric spectroscopy during resistance switching. Journal of Materials Chemistry C, 2019, 7, 8915-8922.	5.5	10
68	Ultra-thin Ga nanosheets: analogues of high pressure Ga(<scp>iii</scp>). Nanoscale, 2019, 11, 17201-17205.	5.6	7
69	Highly nonlinear BiOBr nanoflakes for hybrid integrated photonics. APL Photonics, 2019, 4, .	5.7	31
70	A 2D metalâ€“organic framework/Ni(OH)₂ heterostructure for an enhanced oxygen evolution reaction. Nanoscale, 2019, 11, 3599-3605.	5.6	131
71	Strong bioinspired HPA-rGO nanocomposite films via interfacial interactions for flexible supercapacitors. Nano Energy, 2019, 58, 517-527.	16.0	79
72	Facile preparation of flake-like blue TiO2 nanorod arrays for efficient visible light photocatalyst. Ceramics International, 2019, 45, 9754-9760.	4.8	17

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73	Super Large Sn_{1â€“x}Se Single Crystals with Excellent Thermoelectric Performance. ACS Applied Materials & Interfaces, 2019, 11, 8051-8059.	8.0	43
74	Metal-ion bridged high conductive RGO-M-MoS2 (M = Fe3+, Co2+, Ni2+, Cu2+ and Zn2+) composite electrocatalysts for photo-assisted hydrogen evolution. Applied Catalysis B: Environmental, 2019, 246, 129-139.	20.2	63
75	Ultratough nacre-inspired epoxyâ€“graphene composites with shape memory properties. Journal of Materials Chemistry A, 2019, 7, 2787-2794.	10.3	53
76	Native Surface Oxides Featured Liquid Metals for Printable Self-Powered Photoelectrochemical Device. Frontiers in Chemistry, 2019, 7, 356.	3.6	6
77	Advanced photocatalytic performance of novel BiOBr/BiOI/cellulose composites for the removal of organic pollutant. Cellulose, 2019, 26, 5543-5557.	4.9	33
78	Boosting NIR-driven photocatalytic water splitting by constructing 2D/3D epitaxial heterostructures. Journal of Materials Chemistry A, 2019, 7, 13629-13634.	10.3	30
79	RÃ¼cktitelbild: Ultraâ€Tough Inverse Artificial Nacre Based on Epoxyâ€Graphene by Freezeâ€Casting (Angew.) Tj ETQq1 1 0.784314	2.0	0
80	Oligomeric Silica-Wrapped Perovskites Enable Synchronous Defect Passivation and Grain Stabilization for Efficient and Stable Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1231-1240.	17.4	111
81	Rational design of two-dimensional hybrid Co/N-doped carbon nanosheet arrays for efficient bi-functional electrocatalysis. Sustainable Energy and Fuels, 2019, 3, 1757-1763.	4.9	11
82	Synthesis and enhanced visible light photocatalytic activity of g- C3N4/BiOClxBr1-x heterojunctions with adjustable energy band structure. Journal of Physics and Chemistry of Solids, 2019, 132, 222-229.	4.0	9
83	A Yolkâ€“Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 8824-8828.	13.8	242
84	A Yolkâ€“Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithiumâ€Ion Batteries. Angewandte Chemie, 2019, 131, 8916-8920.	2.0	18
85	Relation of the phase transition and electrical, photoluminescence properties in (1â€‰âˆ’â€‰x) Na0.5K0.5NbO3â€“xLiSbO3:0.006Dy3+ lead free ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 10507-10515.	2.2	3
86	Ultraâ€Tough Inverse Artificial Nacre Based on Epoxyâ€Graphene by Freezeâ€Casting. Angewandte Chemie - International Edition, 2019, 58, 7636-7640.	13.8	93
87	One-pot synthesis of porous 1T-phase MoS2 integrated with single-atom Cu doping for enhancing electrocatalytic hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 251, 87-93.	20.2	160
88	Realization of Strained Stanene by Interface Engineering. Journal of Physical Chemistry Letters, 2019, 10, 1558-1565.	4.6	25
89	Ultraâ€Tough Inverse Artificial Nacre Based on Epoxyâ€Graphene by Freezeâ€Casting. Angewandte Chemie, 2019, 131, 7718-7722.	2.0	14
90	Two dimensional bismuth-based layered materials for energy-related applications. Energy Storage Materials, 2019, 19, 446-463.	18.0	89

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91	Recent Progress on Twoâ€Dimensional Heterostructures for Catalytic, Optoelectronic, and Energy Applications. ChemElectroChem, 2019, 6, 2841-2851.	3.4	18
92	Dielectric and impedance spectroscopy analysis of lead-free (1-x)(K0.44Na0.52Li0.04)(Nb0.86Ta0.10Sb0.04)O3-xBaTiO3 ceramics. Ceramics International, 2019, 45, 13347-13353.	4.8	23
93	A non-enzymatic photoelectrochemical glucose sensor based on BiVO4 electrode under visible light. Sensors and Actuators B: Chemical, 2019, 291, 34-41.	7.8	67
94	2D Heterostructures: Monolayer Epitaxial Heterostructures for Selective Visibleâ€Lightâ€Driven Photocatalytic NO Oxidation (Adv. Funct. Mater. 15/2019). Advanced Functional Materials, 2019, 29, 1970100.	14.9	1
95	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. Advanced Functional Materials, 2019, 29, 1900367.	14.9	28
96	High Pressure Driven Isostructural Electronic Phase Separation in 2D BiOI. Physica Status Solidi - Rapid Research Letters, 2019, 13, .	2.4	2
97	Rayleigh-Instability-Induced Bismuth Nanorod@Nitrogen-Doped Carbon Nanotubes as A Long Cycling and High Rate Anode for Sodium-Ion Batteries. Nano Letters, 2019, 19, 1998-2004.	9.1	142
98	Control synthesis of anatase TiO2 nanobelts via alkali-hydrothermal method for the optimal conditions. Journal of Materials Science: Materials in Electronics, 2019, 30, 6954-6962.	2.2	1
99	Recent Progress on Germanene and Functionalized Germanene: Preparation, Characterizations, Applications, and Challenges. Small, 2019, 15, e1805147.	10.0	100
100	Finely dispersed Au nanoparticles on graphitic carbon nitride as highly active photocatalyst for hydrogen peroxide production. Catalysis Communications, 2019, 123, 69-72.	3.3	63
101	Amorphous MoO_{3â^'x} nanosheets prepared by the reduction of crystalline MoO₃ by Mo metal for LSPR and photothermal conversion. Chemical Communications, 2019, 55, 12527-12530.	4.1	36
102	Promoting photoreduction properties via synergetic utilization between plasmonic effect and highly active facet of BiOCl. Nano Energy, 2019, 57, 398-404.	16.0	52
103	Monolayer Epitaxial Heterostructures for Selective Visibleâ€Lightâ€Driven Photocatalytic NO Oxidation. Advanced Functional Materials, 2019, 29, 1808084.	14.9	76
104	Boosting Visible-Light-Driven Photo-oxidation of BiOCl by Promoted Charge Separation via Vacancy Engineering. ACS Sustainable Chemistry and Engineering, 2019, 7, 3010-3017.	6.7	101
105	Room temperature perpendicular exchange bias in CoNi/(Co,Ni)O multilayers with perpendicular magnetic anisotropy directly induced by FM/AFM interface. Journal of Magnetism and Magnetic Materials, 2019, 473, 490-494.	2.3	13
106	Selective Ferroelectric BiOI/Bi₄Ti₃O₁₂ Heterostructures for Visible Light-Driven Photocatalysis. Journal of Physical Chemistry C, 2019, 123, 517-525.	3.1	36
107	Formation mechanism of rhombohedral L11 phase in CoPt films grown on glass substrate. Journal of Magnetism and Magnetic Materials, 2019, 471, 406-410.	2.3	8
108	Ordered platinumâ€“bismuth intermetallic clusters with Pt-skin for a highly efficient electrochemical ethanol oxidation reaction. Journal of Materials Chemistry A, 2019, 7, 5214-5220.	10.3	48

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109	Recent progress on liquid metals and their applications. Advances in Physics: X, 2018, 3, 1446359.	4.1	85
110	Improving the Photo-Oxidative Performance of Bi₂MoO₆ by Harnessing the Synergy between Spatial Charge Separation and Rational Co-Catalyst Deposition. ACS Applied Materials & Interfaces, 2018, 10, 9342-9352.	8.0	44
111	Defect Sites-Rich Porous Carbon with Pseudocapacitive Behaviors as an Ultrafast and Long-Term Cycling Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 9353-9361.	8.0	91
112	s-p orbital hybridization: a strategy for developing efficient photocatalysts with high carrier mobility. Science Bulletin, 2018, 63, 465-468.	9.0	37
113	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. ACS Catalysis, 2018, 8, 4288-4293.	11.2	141
114	Band-gap engineering of BiOCl with oxygen vacancies for efficient photooxidation properties under visible-light irradiation. Journal of Materials Chemistry A, 2018, 6, 2193-2199.	10.3	232
115	Fabrication of a Singleâ€Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of H_xMoO_{3â^'x} with Plasmon Resonance. ChemCatChem, 2018, 10, 946-950.	3.7	43
116	Superhydrophobic Shape Memory Polymer Arrays with Switchable Isotropic/Anisotropic Wetting. Advanced Functional Materials, 2018, 28, 1705002.	14.9	166
117	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. Science Advances, 2018, 4, eaau4511.	10.3	131
118	Boosting Sodium Storage of Doubleâ€Shell Sodium Titanate Microspheres Constructed from 2D Ultrathin Nanosheets via Sulfur Doping. Advanced Materials, 2018, 30, e1804157.	21.0	79
119	Photocatalytic Reduction on Bismuth-Based p-Block Semiconductors. ACS Sustainable Chemistry and Engineering, 2018, 6, 15936-15953.	6.7	62
120	Electronic Band Engineering in Elemental 2D Materials. Advanced Materials Interfaces, 2018, 5, 1800749.	3.7	16
121	Preparation and characterization of bifunctional Zn doped TiO₂ aerogels toward Rhodamine B in water. Materials Research Express, 2018, 5, 115511.	1.6	5
122	Facile preparation of BiOBr/cellulose composites by in situ synthesis and its enhanced photocatalytic activity under visible-light. Carbohydrate Polymers, 2018, 195, 393-400.	10.2	59
123	Defect state of indium-doped bismuth molybdate nanosheets for enhanced photoreduction of chromium(<scp>vi</scp>) under visible light illumination. Dalton Transactions, 2018, 47, 8110-8120.	3.3	25
124	Direct cation exchange of surface ligand capped upconversion nanocrystals to produce strong luminescence. Chemical Communications, 2018, 54, 9587-9590.	4.1	13
125	Construction of a Bi2MoO6:Bi2Mo3O12 heterojunction for efficient photocatalytic oxygen evolution. Chemical Engineering Journal, 2018, 353, 636-644.	12.7	56
126	A Liquidâ€Metalâ€Based Magnetoactive Slurry for Stimuliâ€Responsive Mechanically Adaptive Electrodes. Advanced Materials, 2018, 30, e1802595.	21.0	106

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127	Recent Development of Zeolitic Imidazolate Frameworks (ZIFs) Derived Porous Carbon Based Materials as Electrocatalysts. Advanced Energy Materials, 2018, 8, 1801257.	19.5	242
128	Facile constructing novel 3D porous g-C3N4/BiOBr0.2I0.8 hybrids: Efficient charge separation for visible-light photocatalysis. Journal of Alloys and Compounds, 2018, 767, 241-252.	5.5	16
129	Dirac Signature in Germanene on Semiconducting Substrate. Advanced Science, 2018, 5, 1800207.	11.2	59
130	Synthesis of Fe3O4 nanoparticles with tunable sizes for the removal of Cr(VI) from aqueous solution. Journal of Coatings Technology Research, 2018, 15, 1145-1155.	2.5	12
131	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. ACS Nano, 2018, 12, 5059-5065.	14.6	92
132	Comprehensive New Insights and Perspectives into Tiâ€Based Anodes for Nextâ€Generation Alkaline Metal (Na⁺, K⁺) Ion Batteries. Advanced Energy Materials, 2018, 8, 1801888.	19.5	142
133	Magnetoelectric coupling in nanoscale 0â€“1 connectivity. Nanoscale, 2018, 10, 17370-17377.	5.6	8
134	Enhanced Photocatalytic Activity of Bi 24 O 31 Br 10 : Constructing Heterojunction with BiOI. Journal of Materials Science and Technology, 2017, 33, 281-284.	10.7	31
135	Local probing of magnetoelectric properties of PVDF/Fe₃O₄electrospun nanofibers by piezoresponse force microscopy. Nanotechnology, 2017, 28, 065707.	2.6	38
136	Cooperative Electronâ€“Phonon Coupling and Buckled Structure in Germanene on Au(111). ACS Nano, 2017, 11, 3553-3559.	14.6	75
137	The origin of the enhanced photocatalytic activity of carbon nitride nanotubes: a first-principles study. Journal of Materials Chemistry A, 2017, 5, 4827-4834.	10.3	50
138	The origin of enhanced photocatalytic activities of hydrogenated TiO₂ nanoparticles. Dalton Transactions, 2017, 46, 10694-10699.	3.3	24
139	Depth-profiling of Yb³⁺ sensitizer ions in NaYF₄ upconversion nanoparticles. Nanoscale, 2017, 9, 7719-7726.	5.6	36
140	Construction of 2D lateral pseudoheterostructures by strain engineering. 2D Materials, 2017, 4, 025102.	4.4	31
141	Efficient visible-light photocatalysts by constructing dispersive energy band with anisotropic p and s-p hybridization states. Current Opinion in Green and Sustainable Chemistry, 2017, 6, 93-100.	5.9	28
142	Improving the photo-oxidative capability of BiOBr via crystal facet engineering. Journal of Materials Chemistry A, 2017, 5, 8117-8124.	10.3	163
143	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag₂Ge Nanosheets. Journal of Physical Chemistry C, 2017, 121, 16754-16760.	3.1	13
144	Silicene: A Promising Anode for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1606716.	21.0	179

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145	Enhancement of charge separation in ferroelectric heterogeneous photocatalyst Bi₄(SiO₄)₃/Bi₂SiO₅ nanostructures. Dalton Transactions, 2017, 46, 15582-15588.	3.3	25
146	Two-dimensional metalâ€“organic frameworks with high oxidation states for efficient electrocatalytic urea oxidation. Chemical Communications, 2017, 53, 10906-10909.	4.1	328
147	High photocatalytic property and crystal growth of spindle-like ZnO microparticles synthesized by one-step hydrothermal method. Vacuum, 2017, 144, 229-236.	3.5	22
148	Synthesis and characterization of black ceramic pigments by recycling of two hazardous wastes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	13
149	Synthesis of Multilayer Silicene on Si(111)âˆš3 Ã— âˆš3-Ag. Journal of Physical Chemistry C, 2017, 121, 27182-27190.	3.1	34
150	A Gallium-Based Magnetocaloric Liquid Metal Ferrofluid. Nano Letters, 2017, 17, 7831-7838.	9.1	101
151	Controllable synthesis of magnetic Fe3O4 particles with different morphology by one-step hydrothermal route. Journal of Magnetism and Magnetic Materials, 2017, 426, 121-125.	2.3	23
152	Seed mediated one-pot growth of versatile heterogeneous upconversion nanocrystals for multimodal bioimaging. , 2016, , .		1
153	Fast Responsive and Controllable Liquid Transport on a Magnetic Fluid/Nanoarray Composite Interface. ACS Nano, 2016, 10, 6220-6226.	14.6	144
154	Indirect-Direct Band Transformation of Few-Layer BiOCl under Biaxial Strain. Journal of Physical Chemistry C, 2016, 120, 8589-8594.	3.1	29
155	Nanodroplets for Stretchable Superconducting Circuits. Advanced Functional Materials, 2016, 26, 8111-8118.	14.9	158
156	Investigating the effect of UV light pre-treatment on the oxygen activation capacity of Au/TiO₂. Catalysis Science and Technology, 2016, 6, 8188-8199.	4.1	14
157	Observation of van Hove Singularities in Twisted Silicene Multilayers. ACS Central Science, 2016, 2, 517-521.	11.3	37
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