

Recent Advances in Ultrathin Two-Dimensional Nanomaterials

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Preparation of Ultrathin Twoâ€Dimensional $\text{Ti}_{1-x}\text{Ta}_x\text{S}_y\text{O}_z$ Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7842-7846.	13.8	59
4	Preparation of Ultrathin Twoâ€Dimensional $\text{Ti}_{1-x}\text{Ta}_x\text{S}_y\text{O}_z$ Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie</i> , 2017, 129, 7950-7954.	2.0	11
5	Benzyl viologen-assisted simultaneous exfoliation and n-doping of MoS_2 nanosheets via a solution process. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5395-5401.	5.5	12
6	Selfâ€Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7610-7614.	13.8	221
7	Selfâ€Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2017, 129, 7718-7722.	2.0	61
8	Kinetically Controlled Layerâ€byâ€Layer Stacking of Metal Oxide 2D Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7093-7096.	13.8	25
9	High-quality single-layer nanosheets of MS_2 (M = Mo, Nb, Ta, Ti) directly exfoliated from AMS_2 (A = Li, Na, K) crystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5977-5983.	5.5	35
10	Kinetically Controlled Layerâ€byâ€Layer Stacking of Metal Oxide 2D Nanosheets. <i>Angewandte Chemie</i> , 2017, 129, 7199-7202.	2.0	10
11	Metalâ€Organicâ€Compoundâ€Modified MoS_2 with Enhanced Solubility for Highâ€Performance Perovskite Solar Cells. <i>ChemSusChem</i> , 2017, 10, 2869-2874.	6.8	50
12	Rapid mass production of two-dimensional metal oxides and hydroxides via the molten salts method. <i>Nature Communications</i> , 2017, 8, 15630.	12.8	258
13	A Generalized Strategy for the Synthesis of Largeâ€Size Ultrathin Twoâ€Dimensional Metal Oxide Nanosheets. <i>Angewandte Chemie</i> , 2017, 129, 8892-8896.	2.0	22
14	A Generalized Strategy for the Synthesis of Largeâ€Size Ultrathin Twoâ€Dimensional Metal Oxide Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8766-8770.	13.8	135
15	Molybdenum Disulfideâ€Black Phosphorus Hybrid Nanosheets as a Superior Catalyst for Electrochemical Hydrogen Evolution. <i>Nano Letters</i> , 2017, 17, 4311-4316.	9.1	211
16	Vertical Growth of 2D Amorphous FePO_4 Nanosheet on Ni Foam: Outer and Inner Structural Design for Superior Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1704574.	21.0	278
17	A 2D self-assembled $\text{MoS}_2/\text{ZnIn}_2\text{S}_4$ heterostructure for efficient photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2017, 9, 18290-18298.	5.6	121
18	Ultrathin molybdenum boride films for highly efficient catalysis of the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23471-23475.	10.3	104
19	Intercalating copper into layered TaS_2 van der Waals gaps. <i>RSC Advances</i> , 2017, 7, 46699-46703.	3.6	7
20	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. <i>Coordination Chemistry Reviews</i> , 2017, 352, 306-327.	18.8	484

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21	Two-Dimensional N,S-Codoped Carbon/Co ₉ S ₈ Catalysts Derived from Co(OH) ₂ Nanosheets for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 36755-36761.	8.0	45
22	Silk fibroin-assisted exfoliation and functionalization of transition metal dichalcogenide nanosheets for antibacterial wound dressings. Nanoscale, 2017, 9, 17193-17198.	5.6	69
23	Atomically thin non-layered nanomaterials for energy storage and conversion. Chemical Society Reviews, 2017, 46, 7338-7373.	38.1	162
24	Recent progress in boron nanomaterials. Science and Technology of Advanced Materials, 2017, 18, 780-804.	6.1	70
25	Li ₄ Ti ₅ O ₁₂ nanosquares@ultrathin carbon nanofilms on a large scale with enhanced properties in lithium-ion batteries. RSC Advances, 2017, 7, 48678-48682.	3.6	3
26	Atomic mechanism for the growth of wafer-scale single-crystal graphene: theoretical perspective and scanning tunneling microscopy investigations. 2D Materials, 2017, 4, 042002.	4.4	11
27	Two-dimensional nanomaterials for photocatalytic CO ₂ reduction to solar fuels. Sustainable Energy and Fuels, 2017, 1, 1875-1898.	4.9	156
28	Single-band negative differential resistance in metallic armchair MoS ₂ nanoribbons. Journal Physics D: Applied Physics, 2017, 50, 465302.	2.8	8
29	Anthracene-assisted inverse transport growth and superconductivity at 3.3 K in unsupported ultrathin {110} Nb and {0001} NbSe ₂ nanoplates. Journal of Materials Chemistry C, 2017, 5, 9545-9551.	5.5	10
30	The Enhanced CO Tolerance of Platinum Supported on FeP Nanosheet for Superior Catalytic Activity Toward Methanol Oxidation. Electrochimica Acta, 2017, 254, 36-43.	5.2	44
31	Facile preparation of two-dimensional Bi ₂ MoO ₆ @Ag ₂ MoO ₄ core-shell composite with enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2017, 729, 100-108.	5.5	46
32	Two-dimensional metal phosphorus trisulfide nanosheet with solar hydrogen-evolving activity. Nano Energy, 2017, 40, 673-680.	16.0	91
33	Synthetic Nanosheets of Natural van der Waals Heterostructures. Angewandte Chemie, 2017, 129, 14753-14758.	2.0	11
34	Synthetic Nanosheets of Natural van der Waals Heterostructures. Angewandte Chemie - International Edition, 2017, 56, 14561-14566.	13.8	33
35	Cadmium Chalcogenide Nano-Heteroplatelets: Creating Advanced Nanostructured Materials by Shell Growth, Substitution, and Attachment. Small, 2017, 13, 1702300.	10.0	35
36	Layer Structured Materials for Advanced Energy Storage and Conversion. Small, 2017, 13, 1701649.	10.0	129
37	3D self-assembly of ultrafine molybdenum carbide confined in N-doped carbon nanosheets for efficient hydrogen production. Nanoscale, 2017, 9, 15895-15900.	5.6	45
38	Efficient Photocatalytic Hydrogen Evolution via Band Alignment Tailoring: Controllable Transition from Type-II to Type-III. Small, 2017, 13, 1702163.	10.0	47

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39	Two-dimensional metal-organic frameworks with high oxidation states for efficient electrocatalytic urea oxidation. <i>Chemical Communications</i> , 2017, 53, 10906-10909.	4.1	328
40	Ultrathin Cobalt-Based Metal-Organic Framework Nanosheets with Both Metal and Ligand Redox Activities for Superior Lithium Storage. <i>Chemistry - A European Journal</i> , 2017, 23, 15984-15990.	3.3	77
41	Exploitation of the Large-Area Basal Plane of MoS ₂ and Preparation of Bifunctional Catalysts through On-Surface Self-Assembly. <i>Advanced Science</i> , 2017, 4, 1700356.	11.2	9
42	Self-Supported Nickel Iron Layered Double Hydroxide-Nickel Selenide Electrocatalyst for Superior Water Splitting Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33766-33774.	8.0	257
43	Two-dimensional black phosphorus: Synthesis, modification, properties, and applications. <i>Materials Science and Engineering Reports</i> , 2017, 120, 1-33.	31.8	130
44	Nanosheets of Two-Dimensional Magnetic and Conducting Fe(II)/Fe(III) Mixed-Valence Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26210-26218.	8.0	89
45	Advancing Biocapture Substrates via Chemical Lift-Off Lithography. <i>Chemistry of Materials</i> , 2017, 29, 6829-6839.	6.7	24
46	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. <i>Advanced Materials</i> , 2017, 29, 1701392.	21.0	242
47	Synthesis of WO _n (n = 2.7, 2.9; X = S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017, 129, 10622-10626.	2.0	7
48	Synthesis of WO _n (n = 2.7, 2.9; X = S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	13.8	21
49	Spinel: Controlled Preparation, Oxygen Reduction/Evolution Reaction Application, and Beyond. <i>Chemical Reviews</i> , 2017, 117, 10121-10211.	47.7	1,157
50	Simultaneous Noncovalent Modification and Exfoliation of 2D Carbon Nitride for Enhanced Electrochemiluminescent Biosensing. <i>Journal of the American Chemical Society</i> , 2017, 139, 11698-11701.	13.7	247
51	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
52	van der Waals Layered Materials: Opportunities and Challenges. <i>ACS Nano</i> , 2017, 11, 11803-11830.	14.6	394
53	Microwave-assisted rapid synthesis of graphene-analogue hexagonal boron nitride (h-BN) nanosheets and their application for the ultrafast and selective adsorption of cationic dyes from aqueous solutions. <i>RSC Advances</i> , 2017, 7, 53984-53995.	3.6	42
54	Synthesis of lithium metal silicates for lithium ion batteries. <i>Chinese Chemical Letters</i> , 2017, 28, 2195-2206.	9.0	19
55	Catalytically Active Boron Nitride in Acetylene Hydrochlorination. <i>ACS Catalysis</i> , 2017, 7, 8572-8577.	11.2	54
56	General and Scalable Solid-State Synthesis of 2D MPS ₃ (M = Fe, Co, Ni) Nanosheets and Tuning Their Li/Na Storage Properties. <i>Small Methods</i> , 2017, 1, 1700304.	8.6	90

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57	Design, Synthesis, and Surface Modification of Materials Based on Transition-Metal Dichalcogenides for Biomedical Applications. <i>Small Methods</i> , 2017, 1, 1700220.	8.6	86
58	Design, controlled synthesis, and properties of 2D CeO ₂ /NiO heterostructure assemblies. <i>CrystEngComm</i> , 2017, 19, 7339-7346.	2.6	18
59	Achieving highly uniform two-dimensional PbI ₂ flakes for photodetectors via space confined physical vapor deposition. <i>Science Bulletin</i> , 2017, 62, 1654-1662.	9.0	102
60	Analysis of graphene-like activated carbon derived from rice straw for application in supercapacitor. <i>Chinese Chemical Letters</i> , 2017, 28, 2290-2294.	9.0	51
61	Latest advances in supercapacitors: from new electrode materials to novel device designs. <i>Chemical Society Reviews</i> , 2017, 46, 6816-6854.	38.1	1,567
62	Engineering transition metal phosphide nanomaterials as highly active electrocatalysts for water splitting. <i>Dalton Transactions</i> , 2017, 46, 16770-16773.	3.3	28
63	Crystal lattice distortion in ultrathin Co(OH) ₂ nanosheets inducing elongated Co-OH bonds for highly efficient oxygen evolution reaction. <i>Green Chemistry</i> , 2017, 19, 5809-5817.	9.0	43
64	High Photocatalytic Activity of Heptazine-Based g-C ₃ N ₄ /SnS ₂ Heterojunction and Its Origin: Insights from Hybrid DFT. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25827-25835.	3.1	142
65	Understanding the high-electrocatalytic performance of two-dimensional MoS ₂ nanosheets and their composite materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24540-24563.	10.3	183
66	Creation and bioapplications of porous organic polymer materials. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9278-9290.	5.8	82
67	Electric field-modulated data storage in bilayer InSe. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12228-12234.	5.5	49
68	Homogenous Dispersion of MoS ₂ Nanosheets in Polyindole Matrix at Air-Water Interface Assisted by Langmuir Technique. <i>Langmuir</i> , 2017, 33, 13572-13580.	3.5	24
69	Analogous self-assembly and crystallization: a chloride-directed orientated self-assembly of Cu nanoclusters and subsequent growth of Cu ₂ S nanocrystals. <i>Nanoscale</i> , 2017, 9, 10335-10343.	5.6	6
70	Fe ₄ S ₄ Cubane Type Cluster Immobilized on a Graphene Support: A High Performance H ₂ Evolution Catalysis in Acidic Water. <i>Scientific Reports</i> , 2017, 7, 16948.	3.3	7
71	Construction of Z-scheme Ag ₃ PO ₄ /Bi ₂ WO ₆ composite with excellent visible-light photodegradation activity for removal of organic contaminants. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2021-2029.	14.0	117
72	Production of monolayer-rich gold-decorated 2H-WS ₂ nanosheets by defect engineering. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	7.9	22
73	Enhancing Photonic Spin Hall Effect in the Surface Plasmon Resonance Structure Covered by the Graphene-MoS ₂ Heterostructure. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	2.0	11
74	One-Step Facile Synthesis of Aptamer-Modified Graphene Oxide for Highly Specific Enrichment of Human A-Thrombin in Plasma. <i>Sensors</i> , 2017, 17, 1986.	3.8	5

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75	Patterning of supported gold monolayers via chemical lift-off lithography. Beilstein Journal of Nanotechnology, 2017, 8, 2648-2661.	2.8	16
76	Solution Growth of Two-Dimensional Bi ₂ Se ₃ Nanosheets for Two-Color All-Optical Switching. Materials, 2017, 10, 1332.	2.9	8
77	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. Advanced Energy Materials, 2018, 8, 1703585.	19.5	274
78	Electrochemical Exfoliation of Pillared Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2018, 57, 4632-4636.	13.8	275
79	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. Nano Research, 2018, 11, 4149-4168.	10.4	112
80	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. Materials Today, 2018, 21, 749-770.	14.2	228
81	Two-dimensional transition metal dichalcogenides: interface and defect engineering. Chemical Society Reviews, 2018, 47, 3100-3128.	38.1	604
82	Interfacial engineering in graphene bandgap. Chemical Society Reviews, 2018, 47, 3059-3099.	38.1	153
83	Stepwise Extraction strategy-based injectable bioresponsive composite implant for cancer theranostics. Biomaterials, 2018, 166, 38-51.	11.4	26
84	Stable methylammonium-intercalated 1T-MoS ₂ for efficient electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 5613-5617.	10.3	38
85	Synthesis of ultrathin two-dimensional organic-inorganic hybrid perovskite nanosheets for polymer field-effect transistors. Journal of Materials Chemistry C, 2018, 6, 3945-3950.	5.5	36
86	2D Black Phosphorus: from Preparation to Applications for Electrochemical Energy Storage. Advanced Science, 2018, 5, 1700491.	11.2	174
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88	Light and Matter Interaction in Two-Dimensional Atomically Thin Films. Bulletin of the Chemical Society of Japan, 2018, 91, 761-771.	3.2	22
89	Recent Advances on Non-Precious Metal Porous Carbon-Based Electrocatalysts for Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1775-1785.	3.4	146
90	Spatially controlled doping of two-dimensional SnS ₂ through intercalation for electronics. Nature Nanotechnology, 2018, 13, 294-299.	31.5	269
91	Nucleation front instability in two-dimensional (2D) nanosheet gadolinium-doped cerium oxide (CGO) formation. CrystEngComm, 2018, 20, 1405-1410.	2.6	5
92	Recent Developments in 2D Nanomaterials for Chemiresistive-Type Gas Sensors. Electronic Materials Letters, 2018, 14, 221-260.	2.2	197

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94	Shining Light on New-Generation Two-Dimensional Materials from a Computational Viewpoint. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1605-1612.	4.6	22
95	Marriage of artificial catalase and black phosphorus nanosheets for reinforced photodynamic antitumor therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2057-2064.	5.8	58
96	Confinement of Aggregation-Induced Emission Molecular Rotors in Ultrathin Two-Dimensional Porous Organic Nanosheets for Enhanced Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2018, 140, 4035-4046.	13.7	119
97	Metal-Free Dehydrogenation of N-Heterocycles by Ternary h-BCN Nanosheets with Visible Light. <i>Angewandte Chemie</i> , 2018, 130, 5585-5589.	2.0	40
98	A sensitive Potentiometric resolved ratiometric Photoelectrochemical aptasensor for Escherichia coli detection fabricated with non-metallic nanomaterials. <i>Biosensors and Bioelectronics</i> , 2018, 106, 57-63.	10.1	97
99	Large-scale controlled synthesis of porous two-dimensional nanosheets for the hydrogen evolution reaction through a chemical pathway. <i>Nanoscale</i> , 2018, 10, 6168-6176.	5.6	23
100	Electrochemical Exfoliation of Pillared Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018, 130, 4722-4726.	2.0	86
101	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 193-201.	7.8	42
102	Uniform Ordered Two-Dimensional Mesoporous TiO ₂ Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 4135-4143.	13.7	242
103	Novel structured transition metal dichalcogenide nanosheets. <i>Chemical Society Reviews</i> , 2018, 47, 3301-3338.	38.1	303
104	Two-dimensional GeAs with a visible range band gap. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9089-9098.	10.3	55
105	Front-End-of-Line Integration of Graphene Oxide for Graphene-Based Electrical Platforms. <i>Advanced Materials Technologies</i> , 2018, 3, 1700318.	5.8	16
106	A facile method for the synthesis of graphene-like 2D metal oxides and their excellent catalytic application in the hydrogenation of nitroarenes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9948-9961.	10.3	33
107	Rylene annulated phthalocyanine: a fully conjugated block for the construction of a supramolecular two-dimensional framework. <i>Chemical Communications</i> , 2018, 54, 7294-7297.	4.1	8
108	Metastable MoS ₂ : Crystal Structure, Electronic Band Structure, Synthetic Approach and Intriguing Physical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 15942-15954.	3.3	133
109	Metallic Contact between MoS ₂ and Ni via Au Nanoglue. <i>Small</i> , 2018, 14, e1704526.	10.0	32
110	Recent progress in ultrathin two-dimensional semiconductors for photocatalysis. <i>Materials Science and Engineering Reports</i> , 2018, 130, 1-39.	31.8	116

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112	Siligraphene as a promising anode material for lithium-ion batteries predicted from first-principles calculations. <i>Nano Energy</i> , 2018, 49, 67-76.	16.0	95
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114	<i>Candida rugosa</i> lipase covalently immobilized on facilely-synthesized carbon nitride nanosheets as a novel biocatalyst. <i>RSC Advances</i> , 2018, 8, 14229-14236.	3.6	19
115	Surface Vacancy-Induced Switchable Electric Polarization and Enhanced Ferromagnetism in Monolayer Metal Trihalides. <i>Nano Letters</i> , 2018, 18, 2943-2949.	9.1	157
116	Multimetallic nanosheets: synthesis and applications in fuel cells. <i>Chemical Society Reviews</i> , 2018, 47, 6175-6200.	38.1	171
117	Hydrogenation of Fluorographite and Fluorographene: An Easy Way to Produce Highly Hydrogenated Graphene. <i>Chemistry - A European Journal</i> , 2018, 24, 8350-8360.	3.3	6
118	Defect-rich (Co ₂) _x @Co ₉ S ₈ nanosheets derived from monomolecular precursor pyrolysis with excellent catalytic activity for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7977-7987.	10.3	46
119	Ag-modified ultrathin Bi ₁₂ O ₁₇ Cl ₂ nanosheets: photo-assisted Ag exfoliation synthesis and enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9200-9208.	10.3	53
120	Photovoltaic high-performance broadband photodetector based on MoS ₂ /Si nanowire array heterojunction. <i>Solar Energy Materials and Solar Cells</i> , 2018, 182, 272-280.	6.2	67
121	Controlling enzyme function through immobilisation on graphene, graphene derivatives and other two dimensional nanomaterials. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3200-3218.	5.8	49
122	Embedding hydrophobic MoS ₂ nanosheets within hydrophilic sodium alginate membrane for enhanced ethanol dehydration. <i>Chemical Engineering Science</i> , 2018, 185, 231-242.	3.8	35
123	Bottom-Up Fabrication of Ultrathin 2D Zr Metal-Organic Framework Nanosheets through a Facile Continuous Microdroplet Flow Reaction. <i>Chemistry of Materials</i> , 2018, 30, 3048-3059.	6.7	85
124	A general strategy for the synthesis of two-dimensional holey nanosheets as cathodes for superior energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8374-8381.	10.3	27
125	Tunable ferroelectricity and anisotropic electric transport in monolayer GeSe . <i>Physical Review B</i> , 2018, 97, .	3.2	72
126	Superhierarchical Nickel-Vanadia Nanocomposites for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 2056-2066.	5.1	9
127	A fluorescence and colorimetric dual-mode assay of alkaline phosphatase activity <i>via</i> destroying oxidase-like CoOOH nanoflakes. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2843-2850.	5.8	92
128	A room-temperature near-infrared photodetector based on a MoS ₂ /CdTe p-n heterojunction with a broadband response up to 1700 nm. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4861-4865.	5.5	81

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135	Optically Switchable Photocatalysis in Ultrathin Black Phosphorus Nanosheets. Journal of the American Chemical Society, 2018, 140, 3474-3480.	13.7	210
136	Au nanoparticles on two-dimensional MoS ₂ nanosheets as a photoanode for efficient photoelectrochemical miRNA detection. Analyst, The, 2018, 143, 1705-1712.	3.5	48
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140	Expanding the boundaries of metal deposition: High aspect ratio silver nanoplatelets created by merging nanobelts. Electrochimica Acta, 2018, 264, 233-243.	5.2	16
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144	2D Intrinsic Ferromagnets from van der Waals Antiferromagnets. Journal of the American Chemical Society, 2018, 140, 2417-2420.	13.7	312
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