

# Jia Li

## List of Publications by Year in descending order

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188  
papers

16,056  
citations

16791

66  
h-index

20625

120  
g-index

192  
all docs

192  
docs citations

192  
times ranked

20760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultimate dielectric scaling of 2D transistors via van der Waals metal integration. Nano Research, 2022, 15, 1603-1608.	5.8	13
2	RuO <sub>2</sub> clusters derived from bulk SrRuO <sub>3</sub> : Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965.	5.8	23
3	Controlled Synthesis of Ultrathin PtSe <sub>2</sub> Nanosheets with Thickness-Tunable Electrical and Magnetolectrical Properties. Advanced Science, 2022, 9, e2103507.	5.6	23
4	Regulating the Li <sub>2</sub> S deposition by grain boundaries in metal nitrides for stable lithium-sulfur batteries. Nano Energy, 2022, 91, 106669.	8.2	49
5	Printed Zinc Paper Batteries. Advanced Science, 2022, 9, e2103894.	5.6	42
6	Tuning the Hydration Entropy of Cations during Electrochemical Intercalation for High Thermopower. Advanced Energy and Sustainability Research, 2022, 3, .	2.8	3
7	Ferromagnetism with in-plane magnetization, Dirac spin-gapless semiconducting properties, and tunable topological states in two-dimensional rare-earth metal dinitrides. Physical Review B, 2022, 105, .	1.1	9
8	Strain-Plasmonic Coupled Broadband Photodetector Based on Monolayer MoS <sub>2</sub> . Small, 2022, 18, e2107104.	5.2	25
9	Controllable Preparation of 2D Vertical van der Waals Heterostructures and Superlattices for Functional Applications. Small, 2022, 18, e2107059.	5.2	15
10	Mo <sub>2</sub> C-MoO <sub>2</sub> Heterostructure Quantum Dots for Enhanced Electrocatalytic Nitrogen Reduction to Ammonia. ACS Nano, 2022, 16, 643-654.	7.3	55
11	Endoepitaxial growth of monolayer mosaic heterostructures. Nature Nanotechnology, 2022, 17, 493-499.	15.6	58
12	Coexistence of extended flat band and Kekulé order in Li-intercalated graphene. Physical Review B, 2022, 105, .	1.1	18
13	Stable Zinc Anodes Enabled by a Zincophilic Polyanionic Hydrogel Layer. Advanced Materials, 2022, 34, e2202382.	11.1	168
14	A dual-regulation strategy of B/N codoped CNT-encapsulated Ni nanoparticles as a catalytic host and separator coating promises high-performance Li-S batteries. Science China Technological Sciences, 2022, 65, 1567-1577.	2.0	2
15	Promoting the optoelectronic and ferromagnetic properties of Cr <sub>2</sub> S <sub>3</sub> nanosheets via Se doping. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	2.0	10
16	Stimulating the Pre-Catalyst Redox Reaction and the Proton-Electron Transfer Process of Cobalt Phthalocyanine for CO <sub>2</sub> Electroreduction. Journal of Physical Chemistry C, 2022, 126, 9665-9672.	1.5	7
17	Femtomolar-Level Molecular Sensing of Monolayer Tungsten Diselenide Induced by Heteroatom Doping with Long-Term Stability. Advanced Functional Materials, 2022, 32, .	7.8	21
18	Probing the Oxygen Reduction Reaction Intermediates and Dynamic Active Site Structures of Molecular and Pyrolyzed Fe-N-C Electrocatalysts by In Situ Raman Spectroscopy. ACS Catalysis, 2022, 12, 7811-7820.	5.5	76

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19	Synthesis of Group VIII Magnetic Transition-Metal-Doped Monolayer MoSe <sub>2</sub> . ACS Nano, 2022, 16, 10623-10631.	7.3	18
20	Ultrafast self-heating synthesis of robust heterogeneous nanocarbides for high current density hydrogen evolution reaction. Nature Communications, 2022, 13, .	5.8	62
21	Li <sub>x</sub> Na <sub>2-<i>x</i></sub> WO <sub>4</sub> nanosheet for scalable electrochromic device. Frontiers of Optoelectronics, 2021, 14, 298-310.	1.9	3
22	In-plane epitaxial growth of 2D CoSe <sub>2</sub> /WSe <sub>2</sub> metal-semiconductor lateral heterostructures with improved WSe <sub>2</sub> transistors performance. Informa Mater, 2021, 3, 222-228.	8.5	21
23	Ultrasensitive molecular sensing of few-layer niobium diselenide. Journal of Materials Chemistry A, 2021, 9, 2725-2733.	5.2	20
24	Degradation and regeneration of Fe <sup>N</sup> active sites for the oxygen reduction reaction: the role of surface oxidation, Fe demetallation and local carbon microporosity. Chemical Science, 2021, 12, 11576-11584.	3.7	30
25	Highly Selective Synthesis of Monolayer or Bilayer WSe <sub>2</sub> Single Crystals by Pre-annealing the Solid Precursor. Chemistry of Materials, 2021, 33, 1307-1313.	3.2	20
26	Nondegenerate p-type In-doped SnS <sub>2</sub> Monolayer Transistor. Advanced Electronic Materials, 2021, 7, 2001168.	2.6	13
27	Van der Waals epitaxial growth of air-stable CrSe <sub>2</sub> nanosheets with thickness-tunable magnetic order. Nature Materials, 2021, 20, 818-825.	13.3	206
28	High-order superlattices by rolling up van der Waals heterostructures. Nature, 2021, 591, 385-390.	13.7	163
29	Manipulation of the Electronic State of Mott Iridate Superlattice through Protonation Induced Electron Filling. Advanced Functional Materials, 2021, 31, 2100261.	7.8	7
30	Two-dimensional intrinsic ferromagnetic monolayer transition metal oxyhydroxide. Physical Review B, 2021, 103, .	1.1	10
31	Charge Gradient Hydrogels Enable Direct Zero Liquid Discharge for Hypersaline Wastewater Management. Advanced Materials, 2021, 33, e2100141.	11.1	37
32	Experimental Evidence of Chiral Symmetry Breaking in Kekulé-Ordered Graphene. Physical Review Letters, 2021, 126, 206804.	2.9	72
33	Oxidation State Modulation of Bismuth for Efficient Electrocatalytic Nitrogen Reduction to Ammonia. Advanced Functional Materials, 2021, 31, 2100300.	7.8	90
34	High-Resolution Van der Waals Stencil Lithography for 2D Transistors. Small, 2021, 17, e2101209.	5.2	13
35	Fabricating polyoxometalates-stabilized single-atom site catalysts in confined space with enhanced activity for alkynes diboration. Nature Communications, 2021, 12, 4205.	5.8	69
36	Phase Engineering of Atomically Thin Perovskite Oxide for Highly Active Oxygen Evolution. Advanced Functional Materials, 2021, 31, 2102002.	7.8	37

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37	Synthesis of Ultrathin 2D Nonlayered $\text{MnSe}$ Nanosheets, $\text{MnSe}/\text{WS}_2$ Heterojunction for High-Performance Photodetectors. <i>Small Structures</i> , 2021, 2, 2100028.	6.9	31
38	2D Metallic Transition-Metal Dichalcogenides: Structures, Synthesis, Properties, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2105132.	7.8	111
39	High-efficiency solar heat storage enabled by adaptive radiation management. <i>Cell Reports Physical Science</i> , 2021, 2, 100533.	2.8	15
40	Synergistic effect of carbon fiber and alumina in improving the thermal conductivity of polydimethylsiloxane composite. <i>Thermochimica Acta</i> , 2021, 703, 178980.	1.2	14
41	Reversible function switching of Ag catalyst in Mg/S battery with chloride-containing electrolyte. <i>Energy Storage Materials</i> , 2021, 42, 513-516.	9.5	9
42	Heat-triggered high-performance thermocells enable a self-powered forest fire alarm. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26119-26126.	5.2	17
43	Thermal conductivity of graphite nanofibers electrospun from graphene oxide-doped polyimide. <i>New Carbon Materials</i> , 2021, 36, 940-947.	2.9	0
44	Recent advances in screening two-dimensional materials for high-performance energy storage and conversion devices based on electronic structure theory. <i>Chinese Science Bulletin</i> , 2021, 66, 640-656.	0.4	1
45	A dual-carbon-anchoring strategy to fabricate flexible $\text{LiMn}_2\text{O}_4$ cathode for advanced lithium-ion batteries with high areal capacity. <i>Nano Energy</i> , 2020, 67, 104256.	8.2	46
46	Ultrafast growth of large single crystals of monolayer $\text{WS}_2$ and $\text{WSe}_2$ . <i>National Science Review</i> , 2020, 7, 737-744.	4.6	64
47	Plasma-etched functionalized graphene as a metal-free electrode catalyst in solid acid fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2445-2452.	5.2	20
48	An organic nickel salt-based electrolyte additive boosts homogeneous catalysis for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 33, 290-297.	9.5	69
49	Family of Magic-Sized Carbon Clusters on Transition Metal Substrates. <i>Advanced Functional Materials</i> , 2020, 30, 2006671.	7.8	2
50	Vapor phase growth of two-dimensional $\text{PdSe}_2$ nanosheets for high-photoresponsivity near-infrared photodetectors. <i>Nano Research</i> , 2020, 13, 2091-2097.	5.8	44
51	Hollow $\text{C}_60$ -graphene-microtubes using polyacrylonitrile nanofiber template and potential applications of field emission. <i>Carbon</i> , 2020, 167, 439-445.	5.4	3
52	Enhanced thermal conductivity of alumina and carbon fibre filled composites by 3-D printing. <i>Thermochimica Acta</i> , 2020, 690, 178649.	1.2	32
53	Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020, 11, 3049.	5.8	537
54	Vertically aligned carbon nanotubes grown on reduced graphene oxide as high-performance thermal interface materials. <i>Journal of Materials Science</i> , 2020, 55, 9414-9424.	1.7	13

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55	General synthesis of two-dimensional van der Waals heterostructure arrays. <i>Nature</i> , 2020, 579, 368-374.	13.7	393
56	Flexible Pseudocapacitive Electrochromics via Inkjet Printing of Additive-Free Tungsten Oxide Nanocrystal Ink. <i>Advanced Energy Materials</i> , 2020, 10, 2000142.	10.2	82
57	Edge-Rich Fe <sup>N<sub>4</sub></sup> Active Sites in Defective Carbon for Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2020, 32, e2000966.	11.1	215
58	Controllable synthesis of NiS and NiS <sub>2</sub> nanoplates by chemical vapor deposition. <i>Nano Research</i> , 2020, 13, 2506-2511.	5.8	61
59	Atomic Imaging of Subsurface Interstitial Hydrogen and Insights into Surface Reactivity of Palladium Hydrides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20348-20352.	7.2	36
60	Efficient strain modulation of 2D materials via polymer encapsulation. <i>Nature Communications</i> , 2020, 11, 1151.	5.8	215
61	Spontaneous self-intercalation of copper atoms into transition metal dichalcogenides. <i>Science Advances</i> , 2020, 6, eaay4092.	4.7	67
62	Few-layer Ti <sub>3</sub> C <sub>2</sub> T MXene delaminated via flash freezing for high-rate electrochemical capacitive energy storage. <i>Journal of Energy Chemistry</i> , 2020, 48, 233-240.	7.1	27
63	Solubility-Dependent Protective Effects of Binary Alloys for Lithium Anode. <i>ACS Applied Energy Materials</i> , 2020, 3, 2278-2284.	2.5	16
64	Layered MXene Protected Lithium Metal Anode as an Efficient Polysulfide Blocker for Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 892-899.	2.4	22
65	Flexible and free-standing hetero-electrocatalyst of high-valence-cation doped MoS <sub>2</sub> /MoO <sub>3</sub> /CNT foam with synergistically enhanced hydrogen evolution reaction catalytic activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14944-14954.	5.2	25
66	Unveiling the Axial Hydroxyl Ligand on Fe <sub>3</sub> N <sub>4</sub> /C Electrocatalysts and Its Impact on the pH-Dependent Oxygen Reduction Activities and Poisoning Kinetics. <i>Advanced Science</i> , 2020, 7, 2000176.	5.6	111
67	Mitigating Metal Dissolution and Redeposition of Pt-Co Catalysts in PEM Fuel Cells: Impacts of Structural Ordering and Particle Size. <i>Journal of the Electrochemical Society</i> , 2020, 167, 064520.	1.3	25
68	Polymer composites with enhanced thermal conductivity via oriented boron nitride and alumina hybrid fillers assisted by 3-D printing. <i>Ceramics International</i> , 2020, 46, 20810-20818.	2.3	64
69	LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> as both a trapper and accelerator of polysulfides for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019, 17, 111-117.	9.5	54
70	Coordination Engineering in Cobalt-Nitrogen-Functionalized Materials for CO <sub>2</sub> Reduction. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6551-6557.	2.1	42
71	Direct Growth of Carbon Nanotubes Doped with Single Atomic Fe <sup>N<sub>4</sub></sup> Active Sites and Neighboring Graphitic Nitrogen for Efficient and Stable Oxygen Reduction Electrocatalysis. <i>Advanced Functional Materials</i> , 2019, 29, 1906174.	7.8	159
72	A Lightweight 3D Cu Nanowire Network with Phosphidation Gradient as Current Collector for High-Density Nucleation and Stable Deposition of Lithium. <i>Advanced Materials</i> , 2019, 31, e1904991.	11.1	114

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73	Theoretical Investigation of the Electrochemical Performance of Transition Metal Nitrides for Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25025-25030.	1.5	35
74	Selective growth of wide band gap atomically thin Sb <sub>2</sub> O <sub>3</sub> inorganic molecular crystal on WS <sub>2</sub> . <i>Nano Research</i> , 2019, 12, 2781-2787.	5.8	9
75	Abundant grain boundaries activate highly efficient lithium ion transportation in high rate Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> compact microspheres. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1168-1176.	5.2	28
76	van der Waals Epitaxial Growth of Atomically Thin 2D Metals on Dangling-Bond-Free WSe <sub>2</sub> and WS <sub>2</sub> . <i>Advanced Functional Materials</i> , 2019, 29, 1806611.	7.8	99
77	Oxygen-Functionalized Ultrathin Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene for Enhanced Electrocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2019, 12, 1368-1373.	3.6	204
78	van der Waals epitaxial growth of ultrathin metallic NiSe nanosheets on WSe <sub>2</sub> as high performance contacts for WSe <sub>2</sub> transistors. <i>Nano Research</i> , 2019, 12, 1683-1689.	5.8	31
79	Density functional theory calculations: A powerful tool to simulate and design high-performance energy storage and conversion materials. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 247-255.	1.8	70
80	Phase-Tunable Synthesis of Ultrathin Layered Tetragonal CoSe and Nonlayered Hexagonal CoSe Nanoplates. <i>Advanced Materials</i> , 2019, 31, e1900901.	11.1	52
81	Enhanced thermal conductivity by combined fillers in polymer composites. <i>Thermochimica Acta</i> , 2019, 676, 198-204.	1.2	23
82	Thermal design and optimization of lithium ion batteries for unmanned aerial vehicles. <i>Energy Storage</i> , 2019, 1, e48.	2.3	10
83	Reviving catalytic activity of nitrides by the doping of the inert surface layer to promote polysulfide conversion in lithium-sulfur batteries. <i>Nano Energy</i> , 2019, 60, 305-311.	8.2	106
84	Liquid electrolyte immobilized in compact polymer matrix for stable sodium metal anodes. <i>Energy Storage Materials</i> , 2019, 23, 610-616.	9.5	40
85	Capture and Catalytic Conversion of Polysulfides by In Situ Built TiO <sub>2</sub> -MXene Heterostructures for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900219.	10.2	481
86	High areal capacity flexible sulfur cathode based on multi-functionalized super-aligned carbon nanotubes. <i>Nano Research</i> , 2019, 12, 1105-1113.	5.8	28
87	Direct van der Waals epitaxial growth of 1D/2D Sb <sub>2</sub> Se <sub>3</sub> /WS <sub>2</sub> mixed-dimensional p-n heterojunctions. <i>Nano Research</i> , 2019, 12, 1139-1145.	5.8	63
88	Group VB transition metal dichalcogenides for oxygen reduction reaction and strain-enhanced activity governed by p-orbital electrons of chalcogen. <i>Nano Research</i> , 2019, 12, 925-930.	5.8	39
89	Hierarchical SnS/SnS <sub>2</sub> heterostructures grown on carbon cloth as binder-free anode for superior sodium-ion storage. <i>Carbon</i> , 2019, 148, 525-531.	5.4	70
90	<i>In Situ</i> X-ray Absorption Spectroscopic Investigation of the Capacity Degradation Mechanism in Mg/S Batteries. <i>Nano Letters</i> , 2019, 19, 2928-2934.	4.5	63

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91	Atomic palladium on graphitic carbon nitride as a hydrogen evolution catalyst under visible light irradiation. <i>Communications Chemistry</i> , 2019, 2, .	2.0	57
92	Fe <sup>N4</sup> Catalysts: Direct Growth of Carbon Nanotubes Doped with Single Atomic Fe <sup>N4</sup> Active Sites and Neighboring Graphitic Nitrogen for Efficient and Stable Oxygen Reduction Electrocatalysis ( <i>Adv. Funct. Mater.</i> 49/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970332.	7.8	3
93	P-N conversion in thermogalvanic cells induced by thermo-sensitive nanogels for body heat harvesting. <i>Nano Energy</i> , 2019, 57, 473-479.	8.2	89
94	Realizing Ultralow Concentration Gelation of Graphene Oxide with Artificial Interfaces. <i>Advanced Materials</i> , 2019, 31, e1805075.	11.1	16
95	Improving a Mg/S Battery with YCl <sub>3</sub> Additive and Magnesium Polysulfide. <i>Advanced Science</i> , 2019, 6, 1800981.	5.6	50
96	Boosting the Efficient Energy Output of Electret Nanogenerators by Suppressing Air Breakdown under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3984-3989.	4.0	20
97	All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. <i>Advanced Energy Materials</i> , 2019, 9, 1802753.	10.2	197
98	High-performance asymmetric electrodes photodiode based on Sb/WSe <sub>2</sub> heterostructure. <i>Nano Research</i> , 2019, 12, 339-344.	5.8	32
99	Enhanced Sulfur Redox and Polysulfide Regulation via Porous VN-Modified Separator for Li-S Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5687-5694.	4.0	126
100	All-Day Thermogalvanic Cells for Environmental Thermal Energy Harvesting. <i>Research</i> , 2019, 2019, 2460953.	2.8	18
101	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4642-4646.	7.2	93
102	Cation vacancy stabilization of single-atomic-site Pt <sub>1</sub> /Ni(OH) <sub>x</sub> catalyst for diboration of alkynes and alkenes. <i>Nature Communications</i> , 2018, 9, 1002.	5.8	255
103	In Situ Electrochemically Derived Amorphous Li <sub>2</sub> S for High Performance Li <sub>2</sub> S/Graphite Full Cell. <i>Small</i> , 2018, 14, e1703871.	5.2	29
104	Unraveling the solvent induced welding of silver nanowires for high performance flexible transparent electrodes. <i>Nanoscale</i> , 2018, 10, 12981-12990.	2.8	55
105	Electrokinetic Supercapacitor for Simultaneous Harvesting and Storage of Mechanical Energy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8010-8015.	4.0	29
106	Superhierarchical Cobalt-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Two-in-One Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018, 30, e1706895.	11.1	300
107	Thermal-Electric Nanogenerator Based on the Electrokinetic Effect in Porous Carbon Film. <i>Advanced Energy Materials</i> , 2018, 8, 1702481.	10.2	111
108	High-Performance Hazy Silver Nanowire Transparent Electrodes through Diameter Tailoring for Semitransparent Photovoltaics. <i>Advanced Functional Materials</i> , 2018, 28, 1705409.	7.8	84

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109	Universal Descriptor for Large-Scale Screening of High-Performance MXene-Based Materials for Energy Storage and Conversion. <i>Chemistry of Materials</i> , 2018, 30, 2687-2693.	3.2	71
110	Effects of solvent on structures and properties of electrospun poly(ethylene oxide) nanofibers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45787.	1.3	40
111	Nickel-Copper Alloy Encapsulated in Graphitic Carbon Shells as Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1701759.	10.2	225
112	Ultra-stretchable, bio-inspired ionic skins that work stably in various harsh environments. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24114-24119.	5.2	75
113	A first-principles study of lithium and sodium storage in two-dimensional graphitic carbon nitride. <i>New Carbon Materials</i> , 2018, 33, 510-515.	2.9	8
114	Reversible and selective ion intercalation through the top surface of few-layer MoS <sub>2</sub> . <i>Nature Communications</i> , 2018, 9, 5289.	5.8	119
115	Aqueous thermogalvanic cells with a high Seebeck coefficient for low-grade heat harvest. <i>Nature Communications</i> , 2018, 9, 5146.	5.8	255
116	Atmospheric-Pressure Synthesis of 2D Nitrogen-Rich Tungsten Nitride. <i>Advanced Materials</i> , 2018, 30, e1805655.	11.1	104
117	Synthetic Control of Two-Dimensional NiTe <sub>2</sub> Single Crystals with Highly Uniform Thickness Distributions. <i>Journal of the American Chemical Society</i> , 2018, 140, 14217-14223.	6.6	119
118	Highly Efficient Water Harvesting with Optimized Solar Thermal Membrane Distillation Device. <i>Global Challenges</i> , 2018, 2, 1800001.	1.8	108
119	Synthesis of Ultrathin Metallic MTe <sub>2</sub> (M = V, Nb, Ta) Single-Crystalline Nanoplates. <i>Advanced Materials</i> , 2018, 30, e1801043.	11.1	183
120	Synthesis of ultrathin two-dimensional nanosheets and van der Waals heterostructures from non-layered <sup>13</sup> CuI. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	3.9	34
121	Origin of storage capacity enhancement by replacing univalent ion with multivalent ion for energy storage. <i>Electrochimica Acta</i> , 2018, 282, 30-37.	2.6	11
122	Modulating Surface Composition and Oxygen Reduction Reaction Activities of Pt-Ni Octahedral Nanoparticles by Microwave-Enhanced Surface Diffusion during Solvothermal Synthesis. <i>Chemistry of Materials</i> , 2018, 30, 4355-4360.	3.2	21
123	Water-evaporation-induced electricity with nanostructured carbon materials. <i>Nature Nanotechnology</i> , 2017, 12, 317-321.	15.6	747
124	Tunable Structural, Electronic, and Optical Properties of Layered Two-Dimensional C <sub>2</sub> N and MoS <sub>2</sub> van der Waals Heterostructure as Photovoltaic Material. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3654-3660.	1.5	233
125	Propelling polysulfides transformation for high-rate and long-life lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 33, 306-312.	8.2	352
126	Comprehensive approaches to three-dimensional flexible supercapacitor electrodes based on MnO <sub>2</sub> /carbon nanotube/activated carbon fiber felt. <i>Journal of Materials Science</i> , 2017, 52, 5788-5798.	1.7	24



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127	Manganese Sesquioxide as Cathode Material for Multivalent Zinc Ion Battery with High Capacity and Long Cycle Life. <i>Electrochimica Acta</i> , 2017, 229, 422-428.	2.6	329
128	Thermal conductivity of electrospinning chain-aligned polyethylene oxide (PEO). <i>Polymer</i> , 2017, 115, 52-59.	1.8	92
129	Robust and Low-Cost Flame-Treated Wood for High-Performance Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15052-15057.	4.0	463
130	Nickeloceneâ€Precursorâ€Facilitated Fast Growth of Graphene/hâ€BN Vertical Heterostructures and Its Applications in OLEDs. <i>Advanced Materials</i> , 2017, 29, 1701325.	11.1	54
131	Rapid mass production of two-dimensional metal oxides and hydroxides via the molten salts method. <i>Nature Communications</i> , 2017, 8, 15630.	5.8	258
132	Theoretical Investigation of the Intercalation Chemistry of Lithium/Sodium Ions in Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13599-13605.	1.5	87
133	Allâ€Printed Porous Carbon Film for Electricity Generation from Evaporationâ€Driven Water Flow. <i>Advanced Functional Materials</i> , 2017, 27, 1700551.	7.8	284
134	Growth of Single-Crystalline Cadmium Iodide Nanoplates, CdI <sub>2</sub> /MoS <sub>2</sub> (WS <sub>2</sub> , WSe <sub>2</sub> ) van der Waals Heterostructures, and Patterned Arrays. <i>ACS Nano</i> , 2017, 11, 3413-3419.	7.3	59
135	Dual-Mode Electronic Skin with Integrated Tactile Sensing and Visualized Injury Warning. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37493-37500.	4.0	110
136	Nanoplates: Synthesis of 2D Layered Bi <sub>3</sub> Nanoplates, Bi <sub>3</sub> /WSe <sub>2</sub> van der Waals Heterostructures and Their Electronic, Optoelectronic Properties ( <i>Small</i> 38/2017). <i>Small</i> , 2017, 13, .	5.2	2
137	Synthesis of 2D Layered Bi <sub>3</sub> Nanoplates, Bi <sub>3</sub> /WSe <sub>2</sub> van der Waals Heterostructures and Their Electronic, Optoelectronic Properties. <i>Small</i> , 2017, 13, 1701034.	5.2	59
138	Solar-driven simultaneous steam production and electricity generation from salinity. <i>Energy and Environmental Science</i> , 2017, 10, 1923-1927.	15.6	380
139	How Nitrogen-Doped Graphene Quantum Dots Catalyze Electroreduction of CO <sub>2</sub> to Hydrocarbons and Oxygenates. <i>ACS Catalysis</i> , 2017, 7, 6245-6250.	5.5	129
140	Twinborn TiO <sub>2</sub> â€TiN heterostructures enabling smooth trappingâ€diffusionâ€conversion of polysulfides towards ultralong life lithiumâ€sulfur batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1694-1703.	15.6	884
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