

# Edge-Oriented MoS<sub>2</sub> Nanoporous Films as Evolution Reactions and Supercapacitor Devices

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metallic and ferromagnetic MoS <sub>2</sub> nanobelts with vertically aligned edges. Nano Research, 2015, 8, 2946-2953.	5.8	30
2	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS <sub>2</sub> Thin Nanosheets for High-Energy Supercapacitors. Small, 2015, 11, 4123-4129.	5.2	164
3	Co(OH) <sub>2</sub> @PANI Hybrid Nanosheets with 3D Networks as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. Advanced Materials, 2015, 27, 7051-7057.	11.1	294
4	Highly Compressible and All-Solid-State Supercapacitors Based on Nanostructured Composite Sponge. Advanced Materials, 2015, 27, 6002-6008.	11.1	217
5	Enhanced Electrochemical H <sub>2</sub> Evolution by Few-Layered Metallic WS <sub>2</sub> (1-x)/Se <sub>2</sub> (x) Nanoribbons. Advanced Functional Materials, 2015, 25, 6077-6083.	7.8	111
6	Vertically Aligned WS <sub>2</sub> Nanosheets for Water Splitting. Advanced Functional Materials, 2015, 25, 6199-6204.	7.8	108
7	Structural Engineering of Electrocatalysts for the Hydrogen Evolution Reaction: Order or Disorder?. ChemCatChem, 2015, 7, 2568-2580.	1.8	144
8	Pristine Basal- and Edge-Plane-Oriented Molybdenite MoS <sub>2</sub> Exhibiting Highly Anisotropic Properties. Chemistry - A European Journal, 2015, 21, 7170-7178.	1.7	133
9	When Cubic Cobalt Sulfide Meets Layered Molybdenum Disulfide: A Core-Shell System Toward Synergetic Electrocatalytic Water Splitting. Advanced Materials, 2015, 27, 4752-4759.	11.1	705
10	Towards free-standing MoS <sub>2</sub> nanosheet electrocatalysts supported and enhanced by N-doped CNT-graphene foam for hydrogen evolution reaction. RSC Advances, 2015, 5, 55396-55400.	1.7	23
11	Molybdenum-doped few-layered SnS <sub>2</sub> architectures with enhanced electrochemical supercapacitive performance. RSC Advances, 2015, 5, 105862-105868.	1.7	52
12	Carbon-Armored Co <sub>9</sub> S <sub>8</sub> Nanoparticles as All-pH Efficient and Durable H <sub>2</sub> -Evolving Electrocatalysts. ACS Applied Materials & Interfaces, 2015, 7, 980-988.	4.0	335
13	Impact Electrochemistry of Layered Transition Metal Dichalcogenides. ACS Nano, 2015, 9, 8474-8483.	7.3	53
14	Perpendicularly oriented few-layer MoSe <sub>2</sub> on SnO <sub>2</sub> nanotubes for efficient hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 16263-16271.	5.2	105
15	One-step hydrothermal synthesis of few-layered and edge-abundant MoS <sub>2</sub> /C nanocomposites with enhanced electrocatalytic performance for hydrogen evolution reaction. Advanced Powder Technology, 2015, 26, 1273-1280.	2.0	10
16	Supercapacitors based on patronite-reduced graphene oxide hybrids: experimental and theoretical insights. Journal of Materials Chemistry A, 2015, 3, 18874-18881.	5.2	67
17	Highly rate and cycling stable electrode materials constructed from polyaniline/cellulose nanoporous microspheres. Journal of Materials Chemistry A, 2015, 3, 16424-16429.	5.2	47
18	Facile and scalable fabrication of three-dimensional Cu(OH) <sub>2</sub> nanoporous nanorods for solid-state supercapacitors. Journal of Materials Chemistry A, 2015, 3, 17385-17391.	5.2	100

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19	Synthesis, properties and applications of 2D non-graphene materials. <i>Nanotechnology</i> , 2015, 26, 292001.	1.3	101
20	Polyppyrrrole@polyoxometalate/reduced graphene oxide ternary nanohybrids for flexible, all-solid-state supercapacitors. <i>Chemical Communications</i> , 2015, 51, 12377-12380.	2.2	99
21	Incorporated oxygen in MoS <sub>2</sub> ultrathin nanosheets for efficient ORR catalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16050-16056.	5.2	91
22	Flexible and porous catalyst electrodes constructed by Co nanoparticles@nitrogen-doped graphene films for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15962-15968.	5.2	74
23	SDBS-assisted hydrothermal preparation and electrocatalytic properties of few-layer and edge-rich MoS <sub>2</sub> nanospheres. <i>Superlattices and Microstructures</i> , 2015, 83, 112-120.	1.4	7
24	Porous Cobalt-Based Thin Film as a Bifunctional Catalyst for Hydrogen Generation and Oxygen Generation. <i>Advanced Materials</i> , 2015, 27, 3175-3180.	11.1	460
25	WC Nanocrystals Grown on Vertically Aligned Carbon Nanotubes: An Efficient and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2015, 9, 5125-5134.	7.3	228
26	Molybdenum sulfide nanosheet arrays supported on Ti plate: an efficient hydrogen-evolving cathode over the whole pH range. <i>Electrochimica Acta</i> , 2015, 168, 256-260.	2.6	25
27	Lateral Growth of Composition Graded Atomic Layer MoS <sub>2</sub> (1-x)/Se <sub>2</sub> x Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 5284-5287.	6.6	191
28	Noble metal-free hydrogen evolution catalysts for water splitting. <i>Chemical Society Reviews</i> , 2015, 44, 5148-5180.	18.7	4,776
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30	Fibrous and flexible supercapacitors comprising hierarchical nanostructures with carbon spheres and graphene oxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12761-12768.	5.2	41
31	Comparative Study of Potential Applications of Graphene, MoS <sub>2</sub> , and Other Two-Dimensional Materials in Energy Devices, Sensors, and Related Areas. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7809-7832.	4.0	362
32	3D macroporous MoS <sub>2</sub> thin film: in situ hydrothermal preparation and application as a highly active hydrogen evolution electrocatalyst at all pH values. <i>Electrochimica Acta</i> , 2015, 168, 133-138.	2.6	147
33	MoS <sub>2</sub> nanosheet-coated CoS <sub>2</sub> nanowire arrays on carbon cloth as three-dimensional electrodes for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22886-22891.	5.2	185
34	Al/C/MnO <sub>2</sub> sandwich nanowalls with highly porous surface for electrochemical energy storage. <i>Journal of Power Sources</i> , 2015, 299, 408-416.	4.0	30
35	A CNT@MoSe <sub>2</sub> hybrid catalyst for efficient and stable hydrogen evolution. <i>Nanoscale</i> , 2015, 7, 18595-18602.	2.8	162
36	Highly Enhanced Gas Adsorption Properties in Vertically Aligned MoS <sub>2</sub> Layers. <i>ACS Nano</i> , 2015, 9, 9314-9321.	7.3	417

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37	Edge-rich MoS <sub>2</sub> Nanosheets Rooting into Polyaniline Nanofibers as Effective Catalyst for Electrochemical Hydrogen Evolution. <i>Electrochimica Acta</i> , 2015, 180, 155-163.	2.6	82
38	C and N Hybrid Coordination Derived Co <sup>II</sup> -N Complex as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 15070-15073.	6.6	377
39	Directly deposited MoS <sub>2</sub> thin film electrodes for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24049-24054.	5.2	140
40	Phase Transformation Engineering in Cobalt Diselenide Realizing Enhanced Catalytic Activity for Hydrogen Evolution in an Alkaline Medium. <i>Advanced Materials</i> , 2016, 28, 7527-7532.	11.1	307
41	Self-Supported Nanotube Arrays of Sulfur-Doped TiO <sub>2</sub> Enabling Ultrastable and Robust Sodium Storage. <i>Advanced Materials</i> , 2016, 28, 2259-2265.	11.1	457
42	Metal-Carbon Hybrid Electrocatalysts Derived from Ion-Exchange Resin Containing Heavy Metals for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2016, 12, 2768-2774.	5.2	37
43	Newborn 2D materials for flexible energy conversion and storage. <i>Science China Materials</i> , 2016, 59, 459-474.	3.5	57
44	Microwave Synthesized Three-dimensional Hierarchical Nanostructure CoS <sub>2</sub> /MoS <sub>2</sub> Growth on Carbon Fiber Cloth: A Bifunctional Electrode for Hydrogen Evolution Reaction and Supercapacitor. <i>Electrochimica Acta</i> , 2016, 212, 941-949.	2.6	93
45	Engineering the Electronic Structure of 2D WS <sub>2</sub> Nanosheets Using Co Incorporation as Co <sub>x</sub> W <sub>(1-x)</sub> S <sub>2</sub> for Conspicuously Enhanced Hydrogen Generation. <i>Small</i> , 2016, 12, 3802-3809.	5.2	60
46	Chemical vapor deposited MoS <sub>2</sub> /electrospun carbon nanofiber composite as anode material for high-performance sodium-ion batteries. <i>Electrochimica Acta</i> , 2016, 222, 1751-1760.	2.6	55
47	Controlled growth of MoS <sub>2</sub> nanopetals and their hydrogen evolution performance. <i>RSC Advances</i> , 2016, 6, 18483-18489.	1.7	32
48	High-quality molybdenum disulfide nanosheets with 3D structure for electrochemical sensing. <i>Applied Surface Science</i> , 2016, 385, 63-71.	3.1	27
49	Net-like molybdenum selenide-acetylene black supported on Ni foam for high-performance supercapacitor electrodes and hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2016, 302, 437-445.	6.6	159
50	Synthesis of large scale MoS <sub>2</sub> for electronics and energy applications. <i>Journal of Materials Research</i> , 2016, 31, 824-831.	1.2	44
51	Fabrication of ultra-high energy and power asymmetric supercapacitors based on hybrid 2D MoS <sub>2</sub> /graphene oxide composite electrodes: a binder-free approach. <i>RSC Advances</i> , 2016, 6, 43261-43271.	1.7	41
52	Active sites-enriched hierarchical MoS <sub>2</sub> nanotubes: highly active and stable architecture for boosting hydrogen evolution and lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7565-7572.	5.2	44
53	Universal Transfer and Stacking of Chemical Vapor Deposition Grown Two-Dimensional Atomic Layers with Water-Soluble Polymer Mediator. <i>ACS Nano</i> , 2016, 10, 5237-5242.	7.3	70
54	Large-Area Buckled MoS <sub>2</sub> Films on the Graphene Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13512-13519.	4.0	38

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55	High rate lithium-ion batteries from hybrid hollow spheres with a few-layered MoS <sub>2</sub> -entrapped carbon sheath synthesized by a space-confined reaction. Journal of Materials Chemistry A, 2016, 4, 10425-10434.	5.2	63
56	Electrocatalysts for hydrogen oxidation and evolution reactions. Science China Materials, 2016, 59, 217-238.	3.5	142
57	Graphene sheets wrapped carbon nanofibers as a highly conductive three-dimensional framework for perpendicularly anchoring of MoS <sub>2</sub> : Advanced electrocatalysts for hydrogen evolution reaction. Electrochimica Acta, 2016, 219, 604-613.	2.6	39
58	Ni <sub>2</sub> P-CoP hybrid nanosheet arrays supported on carbon cloth as an efficient flexible cathode for hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 16992-16999.	5.2	148
59	A super high performance asymmetric supercapacitor based on Co <sub>3</sub> S <sub>4</sub> /NiS nanoplates electrodes. RSC Advances, 2016, 6, 97482-97490.	1.7	30
60	Cobalt-doped edge-rich MoS <sub>2</sub> /nitrogenated graphene composite as an electrocatalyst for hydrogen evolution reaction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 212, 30-38.	1.7	46
61	Bridging of Ultrathin NiCo <sub>2</sub> O <sub>4</sub> Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. Chemistry of Materials, 2016, 28, 5855-5863.	3.2	116
62	Flexible Nanoporous WO <sub>3</sub> Nonvolatile Memory Device. ACS Nano, 2016, 10, 7598-7603.	7.3	114
63	Recent developments of carbon-based electrocatalysts for hydrogen evolution reaction. Nano Energy, 2016, 28, 29-43.	8.2	603
64	Hydrothermal synthesis of selenium-doped graphene-like molybdenum disulfide/graphene hybrid as an efficient electrocatalyst for hydrogen evolution. Advanced Powder Technology, 2016, 27, 2153-2160.	2.0	6
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66	Hierarchically nanostructured MoS <sub>2</sub> with rich in-plane edges as a high-performance electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 14577-14585.	5.2	58
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70	Vertically aligned oxygen-doped molybdenum disulfide nanosheets grown on carbon cloth realizing robust hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2016, 3, 1160-1166.	3.0	55
71	Unraveling the different charge storage mechanism in T and H phases of MoS <sub>2</sub> . Electrochimica Acta, 2016, 217, 1-8.	2.6	37
72	In Situ Thermal Synthesis of Inlaid Ultrathin MoS <sub>2</sub> /Graphene Nanosheets as Electrocatalysts for the Hydrogen Evolution Reaction. Chemistry of Materials, 2016, 28, 5733-5742.	3.2	166

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74	2D Materials Beyond Graphene for High-Performance Energy Storage Applications. Advanced Energy Materials, 2016, 6, 1600671.	10.2	436
75	High-Performance One-Body Core/Shell Nanowire Supercapacitor Enabled by Conformal Growth of Capacitive 2D WS <sub>2</sub> Layers. ACS Nano, 2016, 10, 10726-10735.	7.3	209
76	Growth of vertically aligned Co <sub>3</sub> S <sub>4</sub> /CoMo <sub>2</sub> S <sub>4</sub> ultrathin nanosheets on reduced graphene oxide as a high-performance supercapacitor electrode. Journal of Materials Chemistry A, 2016, 4, 18857-18867.	5.2	150
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79	Highly Efficient Hydrogen Evolution from Edge-Oriented WS <sub>2</sub> /Se <sub>2</sub> Particles on Three-Dimensional Porous NiSe <sub>2</sub> Foam. Nano Letters, 2016, 16, 7604-7609.	4.5	121
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81	High-Performance Mesostructured Organic Hybrid Pseudocapacitor Electrodes. Advanced Functional Materials, 2016, 26, 903-910.	7.8	63
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88	Hierarchical MoS <sub>2</sub> Nanosheet@TiO <sub>2</sub> Nanotube Array Composites with Enhanced Photocatalytic and Photocurrent Performances. Small, 2016, 12, 1527-1536.	5.2	469
89	Facile synthesis of molybdenum disulfide/nitrogen-doped graphene composites for enhanced electrocatalytic hydrogen evolution and electrochemical lithium storage. Carbon, 2016, 107, 711-722.	5.4	56
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92	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2016, 9, 1299-1307.	15.6	623
93	PEG assisted hydrothermal synthesis of hierarchical MoS <sub>2</sub> microspheres with excellent adsorption behavior. <i>Materials Letters</i> , 2016, 169, 241-245.	1.3	106
94	Amorphous nanostructured FeOOH and Co-Ni double hydroxides for high-performance aqueous asymmetric supercapacitors. <i>Nano Energy</i> , 2016, 21, 145-153.	8.2	254
95	Wafer-scale transferable molybdenum disulfide thin-film catalysts for photoelectrochemical hydrogen production. <i>Energy and Environmental Science</i> , 2016, 9, 2240-2248.	15.6	174
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97	A highly active and stable hydrogen evolution catalyst based on pyrite-structured cobalt phosphosulfide. <i>Nature Communications</i> , 2016, 7, 10771.	5.8	418
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99	Comparison of liquid exfoliated transition metal dichalcogenides reveals MoSe <sub>2</sub> to be the most effective hydrogen evolution catalyst. <i>Nanoscale</i> , 2016, 8, 5737-5749.	2.8	127
100	Microwave-Assisted Hydrothermal Preparation of SnO <sub>2</sub> /MoS <sub>2</sub> Composites and their Electrochemical Performance. <i>Nano</i> , 2016, 11, 1650023.	0.5	13
101	Core-shell structured CeO <sub>2</sub> @MoS <sub>2</sub> nanocomposites for high performance symmetric supercapacitors. <i>CrystEngComm</i> , 2016, 18, 4158-4164.	1.3	51
102	Hollow Structured Micro/Nano MoS <sub>2</sub> Spheres for High Electrocatalytic Activity Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5517-5525.	4.0	190
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105	Hierarchical Manganese Dioxide/Poly(3,4-ethylenedioxythiophene) Core-Shell Nanoflakes on Ramie-Derived Carbon Fiber for High-Performance Flexible All-Solid-State Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1201-1211.	3.2	81
106	Hierarchical spheres constructed by defect-rich MoS <sub>2</sub> /carbon nanosheets for efficient electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2016, 22, 490-498.	8.2	267
107	Highly Efficient Hydrogen Evolution Reaction Using Crystalline Layered Three-Dimensional Molybdenum Disulfides Grown on Graphene Film. <i>Chemistry of Materials</i> , 2016, 28, 549-555.	3.2	98
108	Synthesis and characterization of electrospun PAN/2D MoS <sub>2</sub> composite nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 61-65.	2.9	15

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110	Low-Temperature and Ultrafast Synthesis of Patternable Few-Layer Transition Metal Dichalcogenides with Controllable Stacking Alignment by a Microwave-Assisted Selenization Process. <i>Chemistry of Materials</i> , 2016, 28, 1147-1154.	3.2	22
111	Designing two dimensional nanoarchitected MoS <sub>2</sub> sheets grown on Mo foil as a binder free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2016, 190, 305-312.	2.6	159
112	MoS <sub>2</sub> -graphene hybrid nanosheets constructed 3D architectures with improved electrochemical performance for lithium-ion batteries and hydrogen evolution. <i>Electrochimica Acta</i> , 2016, 189, 224-230.	2.6	89
113	Atom-Thin SnS <sub>2</sub> with Adjustable Compositions by Direct Liquid Exfoliation from Single Crystals. <i>ACS Nano</i> , 2016, 10, 755-762.	7.3	39
114	Defect engineering of single- and few-layer MoS <sub>2</sub> by swift heavy ion irradiation. <i>2D Materials</i> , 2017, 4, 015034.	2.0	60
115	Design and fabrication of macroporous polyaniline nanorods@graphene-like MoS <sub>2</sub> nanocomposite with high electrochemical performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 699, 176-182.	2.8	31
116	Inorganic Porous Films for Renewable Energy Storage. <i>ACS Energy Letters</i> , 2017, 2, 373-390.	8.8	68
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118	One-pot synthesis of hierarchical Bi <sub>2</sub> S <sub>3</sub> -MoS <sub>2</sub> nanosheet array with high electrochemical performance. <i>Journal of Power Sources</i> , 2017, 342, 921-928.	4.0	31
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122	Materials Design and System Construction for Conventional and New Concept Supercapacitors. <i>Advanced Science</i> , 2017, 4, 1600382.	5.6	365
123	3D Porous Nanoarchitectures Derived from SnS/S-doped Graphene Hybrid Nanosheets for Flexible All-solid-state Supercapacitors. <i>Small</i> , 2017, 13, 1603494.	5.2	55
124	Arrays of hierarchical nickel sulfides/MoS <sub>2</sub> nanosheets supported on carbon nanotubes backbone as advanced anode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2017, 343, 373-382.	4.0	162
125	Two dimensional MoS <sub>2</sub> /CNT hybrid ink for paper-based capacitive energy storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8452-8459.	1.1	33
126	Interlayer expanded molybdenum disulfide nanosheets assembly for electrochemical supercapacitor with enhanced performance. <i>Materials Chemistry and Physics</i> , 2017, 192, 100-107.	2.0	24



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128	Electrocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 11053-11077.	3.8	613
129	Template-Free Vapor-Phase Growth of Patrite by Atomic Layer Deposition. Chemistry of Materials, 2017, 29, 2864-2873.	3.2	37
130	Multi-node CdS hetero-nanowires grown with defect-rich oxygen-doped MoS <sub>2</sub> ultrathin nanosheets for efficient visible-light photocatalytic H <sub>2</sub> evolution. Nano Research, 2017, 10, 1377-1392.	5.8	104
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279	MOF derived Co/C and Co <sub>3</sub> O <sub>4</sub> /C polyhedron for hydrogen evolution reaction. AIP Conference Proceedings, 2019, , .	0.3	2
280	Ultrathin molybdenum disulfide nanosheet-coated acetylene black: One-pot synthesis and electrocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 23547-23555.	3.8	10
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283	Sonication-Assisted Synthesis of Molybdenum Disulfide Aerogel for the Electrode Materials of Supercapacitors. Nano, 2019, 14, 1950055.	0.5	1
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285	Chemical Trend of Transition-Metal Doping in WSe <sub>2</sub> . Physical Review Applied, 2019, 12, .	1.5	16
286	MoP-protected Mo oxide nanotube arrays for long-term stable supercapacitors. Applied Materials Today, 2019, 17, 227-235.	2.3	17
287	Ultrastable Sodium Storage in MoO <sub>3</sub> Nanotube Arrays Enabled by Surface Phosphorylation. ACS Applied Materials & Interfaces, 2019, 11, 37761-37767.	4.0	29
288	New sustainable and environmental friendly process of synthesis of highly porous MoS <sub>3</sub> nanoflowers in cooking oil and their electrochemical properties. Electrochimica Acta, 2019, 300, 177-185.	2.6	11
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292	Enhanced electrochemical biosensor and supercapacitor with 3D porous architected graphene salt impregnated inkjet maskless lithography. <i>Nanoscale Horizons</i> , 2019, 4, 735-746.	4.1	43
293	Metal-ion bridged high conductive RGO-M-MoS <sub>2</sub> (M = Fe <sup>3+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> ) composite electrocatalysts for photo-assisted hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 129-139.	10.8	63
294	Ultrahigh energy density asymmetric electrochemical capacitors based on flower-like ZnO/Co <sub>3</sub> O <sub>4</sub> nanobundle arrays and stereotaxically constricted graphene. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1273-1280.	5.2	45
295	Plasmonic improvement photoresponse of vertical-MoS <sub>2</sub> nanostructure photodetector by Au nanoparticles. <i>Applied Surface Science</i> , 2019, 490, 165-171.	3.1	79
296	MWCNTs-ZnO-SiO <sub>2</sub> mesoporous nano-hybrid materials for CO <sub>2</sub> capture. <i>Journal of Alloys and Compounds</i> , 2019, 800, 279-285.	2.8	27
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300	Expanding Interlayer Spacing in MoS <sub>2</sub> for Realizing an Advanced Supercapacitor. <i>ACS Energy Letters</i> , 2019, 4, 1602-1609.	8.8	195
301	Carbon Cloth Modified with Metal-Organic Framework Derived CC@CoMoO <sub>4</sub> •Co(OH) <sub>2</sub> Nanosheets Array as a Flexible Energy Storage Material. <i>ChemElectroChem</i> , 2019, 6, 3355-3366.	1.7	14
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303	Robust C-S bond integrated graphdiyne-MoS <sub>2</sub> nanohybrids for enhanced lithium storage capability. <i>Chemical Engineering Journal</i> , 2019, 373, 660-667.	6.6	50
304	Recent advances of porous transition metal-based nanomaterials for electrochemical energy conversion and storage applications. <i>Materials Today Energy</i> , 2019, 13, 64-84.	2.5	64
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306	MoS <sub>2</sub> supported CoS <sub>2</sub> on carbon cloth as a high-performance electrode for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16566-16574.	3.8	57
307	The Holy Grail in Platinum-Free Electrocatalytic Hydrogen Evolution: Molybdenum-Based Catalysts and Recent Advances. <i>ChemElectroChem</i> , 2019, 6, 3570-3589.	1.7	72
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310	Engineering of molybdenum sulfide nanostructures towards efficient electrocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15009-15016.	3.8	21
311	Decorating WSe <sub>2</sub> nanosheets with ultrafine Ru nanoparticles for boosting electrocatalytic hydrogen evolution in alkaline electrolytes. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1382-1387.	3.0	24
312	Identifying Catalytic Active Sites of Trimolybdenum Phosphide (Mo <sub>3</sub> P) for Electrochemical Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1900516.	10.2	47
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317	Facial surfactant-free hydrothermal synthesis of MoS <sub>2</sub> microflower and its effect in electrochemical properties. <i>Journal of Solid State Chemistry</i> , 2019, 274, 58-63.	1.4	10
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320	Defect-rich MoS <sub>2</sub> (1 <sup>x</sup> )Se <sub>2x</sub> few-layer nanocomposites: a superior anode material for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9837-9843.	5.2	35
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325	Ultrathin Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Nanosheet-Wrapped NiSe <sub>2</sub> Octahedral Crystal for Enhanced Supercapacitor Performance and Synergetic Electrocatalytic Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 31.	14.4	133
326	Porous aluminum electrodes with 3D channels and zig-zag edges for efficient hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 5447-5450.	2.2	7

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328	Recent trends in transition metal dichalcogenide based supercapacitor electrodes. <i>Nanoscale Horizons</i> , 2019, 4, 840-858.	4.1	207
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339	Carbon-Based Photocathode Materials for Solar Hydrogen Production. <i>Advanced Materials</i> , 2019, 31, e1801446.	11.1	83
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361	High performance supercapacitor based on 2D-MoS <sub>2</sub> nanostructures. <i>Materials Today: Proceedings</i> , 2020, 26, 20-24.	0.9	40
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364	Vanadium-incorporated Metallic (1 $\mu$ ) Molybdenum Sulfide Nanoroses for High-Energy-Density Asymmetric Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 221-229.	3.6	7
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368	Voltage issue of aqueous rechargeable metal-ion batteries. <i>Chemical Society Reviews</i> , 2020, 49, 180-232.	18.7	522
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384	Phase Engineering of Nanomaterials for Clean Energy and Catalytic Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2002019.	10.2	85
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398	Flower-like carbon doped MoS <sub>2</sub> /Activated carbon composite electrode for superior performance of supercapacitors and hydrogen evolution reactions. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154745.	2.8	25

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