Min Hong

List of Publications by Year
in descending order

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44 papers	2,401 citations	201674 27 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	3569 citing authors

#	Article	IF	Citations
1	Rapid Synthesis of Highâ€Entropy Oxide Microparticles. Small, 2022, 18, e2104761.	10.0	41
2	Target-Sintering of Single-Phase Bulk Intermetallics via a Fast-Heating-Induced Rapid Interdiffusion Mechanism. , 2022, 4, 480-486.		6
3	Taâ€“TiOx nanoparticles as radical scavengers to improve the durability of Feâ€“Nâ€“C oxygen reduction catalysts. Nature Energy, 2022, 7, 281-289.	39.5	93
4	Rapid Pressureless Sintering of Glasses. Small, 2022, 18, e2107951.	10.0	20
5	Sustainable high-strength macrofibres extracted from natural bamboo. Nature Sustainability, 2022, 5, 235-244.	23.7	113
6	Biomass-Derived Anion-Anchoring Nano-CaCO₃Coating for Regulating Ion Transport on Li Metal Surface. Nano Letters, 2022, 22, 5473-5480.	9.1	23
7	Tailoring grain growth and densification toward a high-performance solid-state electrolyte membrane. Materials Today, 2021, 42, 41-48.	14.2	32
8	Two-Dimensional Metallic Vanadium Ditelluride as a High-Performance Electrode Material. ACS Nano, 2021, 15, 1858-1868.	14.6	49
9	Highâ€Temperature Ultrafast Sintering: Exploiting a New Kinetic Region to Fabricate Porous Solidâ€State Electrolyte Scaffolds. Advanced Materials, 2021, 33, e2100726.	21.0	24
10	A high-entropy phosphate catalyst for oxygen evolution reaction. Nano Energy, 2021, 86, 106029.	16.0	100
11	Scalable Synthesis of High Entropy Alloy Nanoparticles by Microwave Heating. ACS Nano, 2021, 15, 14928-14937.	14.6	85
12	Ultrafast Sintering of Solid-State Electrolytes with Volatile Fillers. ACS Energy Letters, 2021, 6, 3753-3760.	17.4	39
13	Defect-Engineered NiCo-S Composite as a Bifunctional Electrode for High-Performance Supercapacitor and Electrocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 47717-47727.	8.0	61
14	Effect of substrate symmetry on the orientations of MoS₂ monolayers. Nanotechnology, 2021, 32, 095601.	2.6	9
15	Insights into high capacity and ultrastable carbonaceous anodes for potassium-ion storage via a hierarchical heterostructure. Journal of Materials Chemistry A, 2020, 8, 2836-2842.	10.3	15
16	Continuous Synthesis of Hollow Highâ€Entropy Nanoparticles for Energy and Catalysis Applications. Advanced Materials, 2020, 32, e2002853.	21.0	93
17	Scalable salt-templated directed synthesis of high-quality MoS2 nanosheets powders towards energetic and environmental applications. Nano Research, 2020, 13, 3098-3104.	10.4	24
18	High-Temperature Pulse Method for Nanoparticle Redispersion. Journal of the American Chemical Society, 2020, 142, 17364-17371.	13.7	28

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19	2D Palladium Diselenide: Giant Thicknessâ€Tunable Bandgap and Robust Air Stability of 2D Palladium Diselenide (Small 19/2020). Small, 2020, 16, 2070106.	10.0	0
20	Two-Dimensional Metallic NiTe₂ with Ultrahigh Environmental Stability, Conductivity, and Electrocatalytic Activity. ACS Nano, 2020, 14, 9011-9020.	14.6	60
21	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. Electrochimica Acta, 2020, 342, 136124.	5.2	77
22	Giant Thicknessâ€Tunable Bandgap and Robust Air Stability of 2D Palladium Diselenide. Small, 2020, 16, e2000754.	10.0	19
23	Scalable synthesis of Î³-Fe2O3/CNT composite as high-performance anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 770, 116-124.	5.5	47
24	Scalable Production of Two-Dimensional Metallic Transition Metal Dichalcogenide Nanosheet Powders Using NaCl Templates toward Electrocatalytic Applications. Journal of the American Chemical Society, 2019, 141, 18694-18703.	13.7	56
25	Chemical Vapor Deposition Grown Large-Scale Atomically Thin Platinum Diselenide with Semimetalâ€“Semiconductor Transition. ACS Nano, 2019, 13, 8442-8451.	14.6	87
26	Bi-metal organic framework nanosheets assembled on nickel wire films for volumetric-energy-dense supercapacitors. Journal of Power Sources, 2019, 423, 80-89.	7.8	50
27	Microscopic insights into the catalytic mechanisms of monolayer MoS2 and its heterostructures in hydrogen evolution reaction. Nano Research, 2019, 12, 2140-2149.	10.4	33
28	Intercalation-Mediated Synthesis and Interfacial Coupling Effect Exploration of Unconventional Graphene/PtSe₂ Vertical Heterostructures. ACS Applied Materials & Interfaces, 2019, 11, 48221-48229.	8.0	7
29	Space-confined growth of monolayer ReSe2 under a graphene layer on Au foils. Nano Research, 2019, 12, 149-157.	10.4	22
30	Vertical 1Tâ€TaS₂ Synthesis on Nanoporous Gold for Highâ€Performance Electrocatalytic Applications. Advanced Materials, 2018, 30, e1705916.	21.0	75
31	Batch production of 6-inch uniform monolayer molybdenum disulfide catalyzed by sodium in glass. Nature Communications, 2018, 9, 979.	12.8	338
32	In situ coating nickel organic complexes on free-standing nickel wire films for volumetric-energy-dense supercapacitors. Nanotechnology, 2018, 29, 275401.	2.6	5
33	Direct synthesis and in situ characterization of monolayer parallelogrammic rhenium diselenide on gold foil. Communications Chemistry, 2018, 1, .	4.5	58
34	Flexible graphene/carbon nanotube hybrid papers chemical-reduction-tailored by gallic acid for high-performance electrochemical capacitive energy storages. Applied Surface Science, 2018, 435, 699-707.	6.1	17
35	A high performance lithium-ionâ€“sulfur battery with a free-standing carbon matrix supported Li-rich alloy anode. Chemical Science, 2018, 9, 8829-8835.	7.4	36
36	Chemical Vapor Deposition Grown Waferâ€Scale 2D Tantalum Diselenide with Robust Chargeâ€Densityâ€Wave Order. Advanced Materials, 2018, 30, e1804616.	21.0	63

#	Article	IF	Citations
37	Decoupling the Interaction between Wetâ€Transferred MoS₂ and Graphite Substrate by an Interfacial Water Layer. Advanced Materials Interfaces, 2018, 5, 1800641.	3.7	18
38	High-Temperature Continuous-Wave Pumped Lasing from Large-Area Monolayer Semiconductors Grown by Chemical Vapor Deposition. ACS Nano, 2018, 12, 9390-9396.	14.6	44
39	Irreparable Defects Produced by the Patching of h-BN Frontiers on Strongly Interacting Re(0001) and Their Electronic Properties. Journal of the American Chemical Society, 2017, 139, 5849-5856.	13.7	11
40	Two-dimensional metallic tantalum disulfide as a hydrogen evolution catalyst. Nature Communications, 2017, 8, 958.	12.8	191
41	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni₃S₂ Nanowire Films for Highâ€Performance Supercapacitors. ChemSusChem, 2017, 10, 4056-4065.	6.8	61
42	Unique Transformation from Graphene to Carbide on Re(0001) Induced by Strong Carbonâ€“Metal Interaction. Journal of the American Chemical Society, 2017, 139, 17574-17581.	13.7	38
43	Quasi-freestanding, striped WS2 monolayer with an invariable band gap on Au(001). Nano Research, 2017, 10, 3875-3884.	10.4	13
44	Rational design of sandwiched polyaniline nanotube/layered graphene/polyaniline nanotube papers for high-volumetric supercapacitors. Chemical Engineering Journal, 2017, 309, 89-97.	12.7	102