

# Min Hong

## List of Publications by Year in descending order

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44  
papers

2,401  
citations

201575

27  
h-index

254106

43  
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45  
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45  
docs citations

45  
times ranked

3569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Synthesis of High-Entropy Oxide Microparticles. <i>Small</i> , 2022, 18, e2104761.	5.2	41
2	Target-Sintering of Single-Phase Bulk Intermetallics via a Fast-Heating-Induced Rapid Interdiffusion Mechanism. , 2022, 4, 480-486.		6
3	TaO <sub>x</sub> nanoparticles as radical scavengers to improve the durability of Fe-N-C oxygen reduction catalysts. <i>Nature Energy</i> , 2022, 7, 281-289.	19.8	93
4	Rapid Pressureless Sintering of Glasses. <i>Small</i> , 2022, 18, e2107951.	5.2	20
5	Sustainable high-strength macrofibres extracted from natural bamboo. <i>Nature Sustainability</i> , 2022, 5, 235-244.	11.5	113
6	Biomass-Derived Anion-Anchoring Nano-CaCO <sub>3</sub> Coating for Regulating Ion Transport on Li Metal Surface. <i>Nano Letters</i> , 2022, 22, 5473-5480.	4.5	23
7	Tailoring grain growth and densification toward a high-performance solid-state electrolyte membrane. <i>Materials Today</i> , 2021, 42, 41-48.	8.3	32
8	Two-Dimensional Metallic Vanadium Dinitelluride as a High-Performance Electrode Material. <i>ACS Nano</i> , 2021, 15, 1858-1868.	7.3	49
9	High-Temperature Ultrafast Sintering: Exploiting a New Kinetic Region to Fabricate Porous Solid-State Electrolyte Scaffolds. <i>Advanced Materials</i> , 2021, 33, e2100726.	11.1	24
10	A high-entropy phosphate catalyst for oxygen evolution reaction. <i>Nano Energy</i> , 2021, 86, 106029.	8.2	100
11	Scalable Synthesis of High Entropy Alloy Nanoparticles by Microwave Heating. <i>ACS Nano</i> , 2021, 15, 14928-14937.	7.3	85
12	Ultrafast Sintering of Solid-State Electrolytes with Volatile Fillers. <i>ACS Energy Letters</i> , 2021, 6, 3753-3760.	8.8	39
13	Defect-Engineered NiCo-S Composite as a Bifunctional Electrode for High-Performance Supercapacitor and Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47717-47727.	4.0	61
14	Effect of substrate symmetry on the orientations of MoS <sub>2</sub> monolayers. <i>Nanotechnology</i> , 2021, 32, 095601.	1.3	9
15	Insights into high capacity and ultrastable carbonaceous anodes for potassium-ion storage via a hierarchical heterostructure. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2836-2842.	5.2	15
16	Continuous Synthesis of Hollow High-Entropy Nanoparticles for Energy and Catalysis Applications. <i>Advanced Materials</i> , 2020, 32, e2002853.	11.1	93
17	Scalable salt-templated directed synthesis of high-quality MoS <sub>2</sub> nanosheets powders towards energetic and environmental applications. <i>Nano Research</i> , 2020, 13, 3098-3104.	5.8	24
18	High-Temperature Pulse Method for Nanoparticle Redispersion. <i>Journal of the American Chemical Society</i> , 2020, 142, 17364-17371.	6.6	28

#	ARTICLE	IF	CITATIONS
19	2D Palladium Diselenide: Giant Thickness-Tunable Bandgap and Robust Air Stability of 2D Palladium Diselenide (Small 19/2020). Small, 2020, 16, 2070106.	5.2	0
20	Two-Dimensional Metallic NiTe <sub>2</sub> with Ultrahigh Environmental Stability, Conductivity, and Electrocatalytic Activity. ACS Nano, 2020, 14, 9011-9020.	7.3	60
21	A dual CoNi MOF nanosheet/nanotube assembled on carbon cloth for high performance hybrid supercapacitors. Electrochimica Acta, 2020, 342, 136124.	2.6	77
22	Giant Thickness-Tunable Bandgap and Robust Air Stability of 2D Palladium Diselenide. Small, 2020, 16, e2000754.	5.2	19
23	Scalable synthesis of $\text{Fe}^{3+}$ -Fe <sub>2</sub> O <sub>3</sub> /CNT composite as high-performance anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 770, 116-124.	2.8	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.	6.6	56
25	Chemical Vapor Deposition Grown Large-Scale Atomically Thin Platinum Diselenide with Semimetal-Semiconductor Transition. ACS Nano, 2019, 13, 8442-8451.	7.3	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.	4.0	50
27	Microscopic insights into the catalytic mechanisms of monolayer MoS <sub>2</sub> and its heterostructures in hydrogen evolution reaction. Nano Research, 2019, 12, 2140-2149.	5.8	33
28	Intercalation-Mediated Synthesis and Interfacial Coupling Effect Exploration of Unconventional Graphene/PtSe <sub>2</sub> Vertical Heterostructures. ACS Applied Materials & Interfaces, 2019, 11, 48221-48229.	4.0	7
29	Space-confined growth of monolayer ReSe <sub>2</sub> under a graphene layer on Au foils. Nano Research, 2019, 12, 149-157.	5.8	22
30	Vertical 1T-TaS <sub>2</sub> Synthesis on Nanoporous Gold for High-Performance Electrocatalytic Applications. Advanced Materials, 2018, 30, e1705916.	11.1	75
31	Batch production of 6-inch uniform monolayer molybdenum disulfide catalyzed by sodium in glass. Nature Communications, 2018, 9, 979.	5.8	338
32	In situ coating nickel organic complexes on free-standing nickel wire films for volumetric-energy-dense supercapacitors. Nanotechnology, 2018, 29, 275401.	1.3	5
33	Direct synthesis and in situ characterization of monolayer parallelogrammic rhenium diselenide on gold foil. Communications Chemistry, 2018, 1, .	2.0	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.	3.1	17
35	A high performance lithium-ion-sulfur battery with a free-standing carbon matrix supported Li-rich alloy anode. Chemical Science, 2018, 9, 8829-8835.	3.7	36
36	Chemical Vapor Deposition Grown Wafer-Scale 2D Tantalum Diselenide with Robust Charge-Density-Wave Order. Advanced Materials, 2018, 30, e1804616.	11.1	63

#	ARTICLE	IF	CITATIONS
37	Decoupling the Interaction between Wet-Transferred MoS <sub>2</sub> and Graphite Substrate by an Interfacial Water Layer. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800641.	1.9	18
38	High-Temperature Continuous-Wave Pumped Lasing from Large-Area Monolayer Semiconductors Grown by Chemical Vapor Deposition. <i>ACS Nano</i> , 2018, 12, 9390-9396.	7.3	44
39	Irreparable Defects Produced by the Patching of <i>h</i> -BN Frontiers on Strongly Interacting Re(0001) and Their Electronic Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 5849-5856.	6.6	11
40	Two-dimensional metallic tantalum disulfide as a hydrogen evolution catalyst. <i>Nature Communications</i> , 2017, 8, 958.	5.8	191
41	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni <sub>3</sub> S <sub>2</sub> Nanowire Films for High-Performance Supercapacitors. <i>ChemSusChem</i> , 2017, 10, 4056-4065.	3.6	61
42	Unique Transformation from Graphene to Carbide on Re(0001) Induced by Strong Carbon-Metal Interaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 17574-17581.	6.6	38
43	Quasi-freestanding, striped WS <sub>2</sub> monolayer with an invariable band gap on Au(001). <i>Nano Research</i> , 2017, 10, 3875-3884.	5.8	13
44	Rational design of sandwiched polyaniline nanotube/layered graphene/polyaniline nanotube papers for high-volumetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017, 309, 89-97.	6.6	102