## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3222353/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Eutectic Etching toward Inâ€Plane Porosity Manipulation of Clâ€Terminated MXene for Highâ€Performance Dualâ€Ion Battery Anode. Advanced Energy Materials, 2022, 12, 2102493.	10.2	37
2	Thermal migration towards constructing W-W dual-sites for boosted alkaline hydrogen evolution reaction. Nature Communications, 2022, 13, 763.	5.8	68
3	Hierarchical Architecture of Wellâ€Aligned Nanotubes Supported Bimetallic Catalysis for Efficient Oxygen Redox. Advanced Functional Materials, 2022, 32, .	7.8	20
4	Materials Engineering toward Durable Electrocatalysts for Proton Exchange Membrane Fuel Cells. Advanced Energy Materials, 2022, 12, .	10.2	61
5	Anodic Shock-Triggered Exsolution of Metal Nanoparticles from Perovskite Oxide. Journal of the American Chemical Society, 2022, 144, 7657-7666.	6.6	15
6	A novel design of 3D carbon host for stable lithium metal anode. , 2022, 4, 654-664.		29
7	Nano-crumples induced Sn-Bi bimetallic interface pattern with moderate electron bank for highly efficient CO2 electroreduction. Nature Communications, 2022, 13, 2486.	5.8	99
8	Study on thermal stability and irradiation response of copper/iron nano-multilayer composite fabricated by cross accumulative roll bonding. Journal of Nuclear Materials, 2021, 543, 152548.	1.3	13
9	Selfâ€Templated Hierarchically Porous Carbon Nanorods Embedded with Atomic Feâ€N <sub>4</sub> Active Sites as Efficient Oxygen Reduction Electrocatalysts in Znâ€Air Batteries. Advanced Functional Materials, 2021, 31, 2008085.	7.8	117
10	Behavior and mechanism of internal friction peak in quenched Fe-18 at.% Ga alloy. Journal of Alloys and Compounds, 2021, 856, 158178.	2.8	11
11	Dissolving Vanadium into Titanium Nitride Lattice Framework for Rational Polysulfide Regulation in Li–S Batteries. Advanced Energy Materials, 2021, 11, 2003020.	10.2	52
12	Cationic–anionic redox couple gradient to immunize against irreversible processes of Li-rich layered oxides. Journal of Materials Chemistry A, 2021, 9, 2325-2333.	5.2	20
13	Fabrication of an ultrafine-grained W-ZrC-Re alloy with high thermal stability. Fusion Engineering and Design, 2021, 164, 112208.	1.0	9
14	Modulating Metal–Organic Frameworks as Advanced Oxygen Electrocatalysts. Advanced Energy Materials, 2021, 11, 2003291.	10.2	105
15	Ultra-high-voltage Ni-rich layered cathodes in practical Li metal batteries enabled by a sulfonamide-based electrolyte. Nature Energy, 2021, 6, 495-505.	19.8	323
16	Hybrid diffusive-displacive helium outgassing in Cu/Nb multilayer composites. Scripta Materialia, 2021, 194, 113706.	2.6	10
17	A Gasâ€Phase Migration Strategy to Synthesize Atomically Dispersed Mnâ€Nâ€C Catalysts for Zn–Air Batteries. Small Methods, 2021, 5, e2100024.	4.6	44
18	"Two Ships in a Bottle―Design for Zn–Ag–O Catalyst Enabling Selective and Long-Lasting CO <sub>2</sub> Electroreduction. Journal of the American Chemical Society, 2021, 143, 6855-6864.	6.6	139

#	Article	IF	CITATIONS
19	Magneticâ€Fieldâ€Stimulated Efficient Photocatalytic N 2 Fixation over Defective BaTiO 3 Perovskites. Angewandte Chemie, 2021, 133, 12017-12025.	1.6	18
20	Self-Perpetuating Carbon Foam Microwave Plasma Conversion of Hydrocarbon Wastes into Useful Fuels and Chemicals. Environmental Science & Technology, 2021, 55, 6239-6247.	4.6	34
21	Rücktitelbild: Magneticâ€Fieldâ€Stimulated Efficient Photocatalytic N <sub>2</sub> Fixation over Defective BaTiO <sub>3</sub> Perovskites (Angew. Chem. 21/2021). Angewandte Chemie, 2021, 133, 12252-12252.	1.6	1
22	Magneticâ€Fieldâ€Stimulated Efficient Photocatalytic N <sub>2</sub> Fixation over Defective BaTiO <sub>3</sub> Perovskites. Angewandte Chemie - International Edition, 2021, 60, 11910-11918.	7.2	119
23	Establishing the Preferential Adsorption of Anionâ€Dominated Solvation Structures in the Electrolytes for Highâ€Energyâ€Density Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2011109.	7.8	37
24	Evolution of atomic-scale dispersion of FeNx in hierarchically porous 3D air electrode to boost the interfacial electrocatalysis of oxygen reduction in PEMFC. Nano Energy, 2021, 83, 105734.	8.2	41
25	Electrolyte Design for Lithium Metal Anodeâ€Based Batteries Toward Extreme Temperature Application. Advanced Science, 2021, 8, e2101051.	5.6	95
26	Reusable Polyacrylonitrileâ $\in$ Sulfur Extractor of Heavy Metal Ions from Wastewater. Advanced Functional Materials, 2021, 31, 2105845.	7.8	20
27	Stabilizing electrode–electrolyte interfaces to realize high-voltage Li  LiCoO <sub>2</sub> batteries by a sulfonamide-based electrolyte. Energy and Environmental Science, 2021, 14, 6030-6040.	15.6	84
28	Reusable Polyacrylonitrileâ€Sulfur Extractor of Heavy Metal Ions from Wastewater (Adv. Funct. Mater.) Tj ETQqC	0 0 rgBT 7.8	Overlock 10
29	Pressureless two-step sintering of ultrafine-grained tungsten. Acta Materialia, 2020, 186, 116-123.	3.8	48
30	FSI-inspired solvent and "full fluorosulfonyl―electrolyte for 4 V class lithium-metal batteries. Energy and Environmental Science, 2020, 13, 212-220.	15.6	198
31	Superconducting Cu/Nb nanolaminate by coded accumulative roll bonding and its helium damage characteristics. Acta Materialia, 2020, 197, 212-223.	3.8	41
32	d-Orbital steered active sites through ligand editing on heterometal imidazole frameworks for rechargeable zinc-air battery. Nature Communications, 2020, 11, 5858.	5.8	109
33	Deep-Breathing Honeycomb-like Co-Nx-C Nanopolyhedron Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. IScience, 2020, 23, 101404.	1.9	38
34	A Combined Ordered Macroâ€Mesoporous Architecture Design and Surface Engineering Strategy for Highâ€Performance Sulfur Immobilizer in Lithium–Sulfur Batteries. Small, 2020, 16, e2001089.	5.2	43
35	Stabilized Coâ€Free Liâ€Rich Oxide Cathode Particles with An Artificial Surface Prereconstruction. Advanced Energy Materials, 2020, 10, 2001120.	10.2	74

36Mechanical properties and thermal shock resistance of tungsten alloys strengthened by laser<br/>fragmentation-processed zirconium carbide nanoparticles. Tungsten, 2020, 2, 381-389.2.08

#	Article	IF	CITATIONS
37	A Surface Seâ€Substituted LiCo[O <sub>2â^'</sub> <i><sub>δ</sub></i> Se <i><sub>δ</sub></i> ] Cathode with Ultrastable Highâ€Voltage Cycling in Pouch Fullâ€Cells. Advanced Materials, 2020, 32, e2005182.	11.1	110
38	Gradient-morph LiCoO <sub>2</sub> single crystals with stabilized energy density above 3400 W h L <sup>â^'1</sup> . Energy and Environmental Science, 2020, 13, 1865-1878.	15.6	118
39	Graphene Quantum Dotsâ€Based Advanced Electrode Materials: Design, Synthesis and Their Applications in Electrochemical Energy Storage and Electrocatalysis. Advanced Energy Materials, 2020, 10, 2001275.	10.2	109
40	Revealing the Rapid Electrocatalytic Behavior of Ultrafine Amorphous Defective Nb <sub>2</sub> O <sub>5–<i>x</i></sub> Nanocluster toward Superior Li–S Performance. ACS Nano, 2020, 14, 4849-4860.	7.3	201
41	Effects of annealing temperature and layer thickness on hardening behavior in cross accumulative roll bonded Cu/Fe nanolamellar composite. Journal of Alloys and Compounds, 2020, 827, 154312.	2.8	23
42	Helium desorption behavior and growth mechanism of helium bubbles in FeCrNi film. Nuclear Materials and Energy, 2019, 21, 100710.	0.6	3
43	Effects of ZrC content on the mechanical properties and microstructures of hot-rolled W–ZrC composites. Nuclear Materials and Energy, 2019, 20, 100705.	0.6	4
44	Tailoring Oxygen Vacancies of BiVO <sub>4</sub> toward Highly Efficient Nobleâ€Metalâ€Free Electrocatalyst for Artificial N <sub>2</sub> Fixation under Ambient Conditions. Small Methods, 2019, 3, 1800333.	4.6	84
45	High-temperature order-disorder phase transition in Fe-18Ga alloy evaluated by internal friction method. Journal of Alloys and Compounds, 2018, 750, 669-676.	2.8	30
46	He irradiation effects in bulk Cu/V nanolayered composites fabricated by cross accumulative roll bonding. Journal of Nuclear Materials, 2018, 508, 354-360.	1.3	15
47	The effect of Zr, Ti addition on the particle size and microstructure evolution of yttria nanoparticle in ODS steel. Powder Technology, 2017, 319, 172-182.	2.1	29
48	Microstructure, hardness and defect structure of the He irradiated ODS ferritic steel. Journal of Alloys and Compounds, 2017, 691, 653-658.	2.8	25
49	Effect of hot rolling and annealing on the mechanical properties and thermal conductivity of W-0.5wt.% TaC alloys. International Journal of Refractory Metals and Hard Materials, 2016, 56, 8-17.	1.7	48
50	Hot rolling and annealing effects on the microstructure and mechanical properties of ODS austenitic steel fabricated by electron beam selective melting. Frontiers of Materials Science, 2016, 10, 73-79.	1.1	6
51	High strength and thermal stability of bulk Cu/Ta nanolamellar multilayers fabricated by cross accumulative roll bonding. Acta Materialia, 2016, 110, 341-351.	3.8	160
52	Characterization of oxide dispersion strengthened ferritic steel fabricated by electron beam selective melting. Materials and Design, 2016, 89, 1171-1180.	3.3	33
53	Low-temperature mechanical and magnetic properties of the reduced activation martensitic steel. Frontiers of Materials Science, 2015, 9, 264-271.	1.1	2
54	Annealing effects on the microstructure and mechanical properties ofÂhot-rolled 14Cr-ODS steel. Journal of Nuclear Materials, 2015, 465, 268-279.	1.3	11

#	Article	IF	CITATIONS
55	Annealing effect on the microstructure and magnetic properties of 14%Cr-ODS ferritic steel. Fusion Engineering and Design, 2015, 100, 371-377.	1.0	7
56	Effect of zirconium addition on the microstructure and mechanical properties of ODS ferritic steels containing aluminum. Journal of Nuclear Materials, 2014, 444, 462-468.	1.3	80
57	Corrosion resistance of W–Cr–C coatings fabricated by spark plasma sintering method. Surface and Coatings Technology, 2014, 254, 202-206.	2.2	10
58	Oxidation resistance in LBE and air and tensile properties of ODS ferritic steels containing Al/Zr elements. Journal of Nuclear Materials, 2014, 455, 407-411.	1.3	16
59	Development of 9Cr-ODS ferritic–martensitic steel prepared by chemical reduction and mechanical milling. Journal of Alloys and Compounds, 2014, 598, 243-247.	2.8	24
60	Nanorod–nanosheet hierarchically structured ZnO crystals on zinc foil as flexible photoanodes for dye-sensitized solar cells. Nanoscale, 2013, 5, 1894.	2.8	42
61	Properties and origins of highâ€performance poly(phenylene oxide)/cyanate ester resins for highâ€frequency copperâ€clad laminates. Journal of Applied Polymer Science, 2011, 121, 1675-1684.	1.3	36