

Thanh Tuan Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,672
citations

279701

23
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-functional Co _{5.47} N/Fe ₃ N heterostructure interconnected 3D N-doped carbon nanotube-graphene hybrids for accelerating polysulfide conversion in Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 131774.	6.6	38
2	Rational manipulation of 3D hierarchical oxygenated nickel tungsten selenide nanosheet as the efficient bifunctional electrocatalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 430, 132888.	6.6	29
3	Advanced interfacial engineering of oxygen-enriched Fe Sn _{1-x} OSe nanostructures for efficient overall water splitting and flexible zinc-air batteries. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 120924.	10.8	33
4	Uniformly Controlled Treble Boundary Using Enriched Adsorption Sites and Accelerated Catalyst Cathode for Robust Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	87
5	Modulating heterointerfaces of tungsten incorporated CoSe/Co ₃ O ₄ as a highly efficient electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3782-3792.	5.2	35
6	Novel cobalt-doped molybdenum oxynitride quantum dot@N-doped carbon nanosheets with abundant oxygen vacancies for long-life rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9092-9104.	5.2	41
7	3D nickel molybdenum oxyselenide (Ni _{1-x} Mo _x OSe) nanoarchitectures as advanced multifunctional catalyst for Zn-air batteries and water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119909.	10.8	72
8	Novel core-shell CuMo-oxynitride@N-doped graphene nanohybrid as multifunctional catalysts for rechargeable zinc-air batteries and water splitting. <i>Nano Energy</i> , 2021, 85, 105987.	8.2	89
9	Copper-Incorporated heterostructures of amorphous NiSe _x /Crystalline NiSe ₂ as an efficient electrocatalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 422, 130048.	6.6	54
10	Highly reversible water splitting cell building from hierarchical 3D nickel manganese oxyphosphide nanosheets. <i>Nano Energy</i> , 2020, 69, 104432.	8.2	74
11	Hierarchical 3D Oxygenated Cobalt Vanadium Selenide Nanosheets as Advanced Electrode for Flexible Zinc-Cobalt and Zinc-Air Batteries. <i>Small</i> , 2020, 16, e2004661.	5.2	54
12	Tunable construction of Fe _x Co _{3-x} Se ₄ nanostructures as advanced electrode for boosting capacity and energy density. <i>Chemical Engineering Journal</i> , 2020, 390, 124557.	6.6	43
13	All ternary metal selenide nanostructures for high energy flexible charge storage devices. <i>Nano Energy</i> , 2019, 65, 103999.	8.2	152
14	Boosting the Energy Density of Flexible Solid-State Supercapacitors via Both Ternary NiV ₂ Se ₄ and NiFe ₂ Se ₄ Nanosheet Arrays. <i>Chemistry of Materials</i> , 2019, 31, 4490-4504.	3.2	138
15	Rational design of ultrathin 2D tin nickel selenide nanosheets for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24462-24476.	5.2	44
16	Hierarchical 3D Zn-Ni-P nanosheet arrays as an advanced electrode for high-performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8669-8681.	5.2	116
17	Fabrication of functionalized graphene oxide/maleic anhydride grafted polypropylene composite film with excellent gas barrier and anticorrosion properties. <i>Journal of Membrane Science</i> , 2018, 547, 80-92.	4.1	74
18	Facile synthesis of 4,4'-diaminostilbene-2,2'-disulfonic-acid-grafted reduced graphene oxide and its application as a high-performance asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 333, 170-184.	6.6	23

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19	Flexible Solid-State Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Encapsulated Ternary Metal-Nitrides with Ultralong Cycle Life. <i>Advanced Functional Materials</i> , 2018, 28, 1804663.	7.8	212
20	Enhanced hydrogen gas barrier performance of diaminoalkane functionalized stitched graphene oxide/polyurethane composites. <i>Composites Part B: Engineering</i> , 2017, 117, 101-110.	5.9	40
21	Effects of grafting methods for functionalization of graphene oxide by dodecylamine on the physical properties of its polyurethane nanocomposites. <i>Journal of Membrane Science</i> , 2017, 540, 108-119.	4.1	38
22	A hierarchical 2D Ni-Mo-S nanosheet@nitrogen doped graphene hybrid as a Pt-free cathode for high-performance dye sensitized solar cells and fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17896-17908.	5.2	54
23	Facile synthesis of novel sulfonated polyaniline functionalized graphene using m-aminobenzene sulfonic acid for asymmetric supercapacitor application. <i>Chemical Engineering Journal</i> , 2017, 308, 1174-1184.	6.6	92
24	Effect of high molecular weight polyethyleneimine functionalized graphene oxide coated polyethylene terephthalate film on the hydrogen gas barrier properties. <i>Composites Part B: Engineering</i> , 2016, 106, 316-323.	5.9	40