

# Khang Ngoc Dinh

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,730  
citations

218381

26  
h-index

433756

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

3908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in vanadium-based cathode materials for rechargeable zinc ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 744-762.	3.2	49
2	Dismantling of Printed Circuit Boards Enabling Electronic Components Sorting and Their Subsequent Treatment Open Improved Elemental Sustainability Opportunities. <i>Sustainability</i> , 2021, 13, 10357.	1.6	25
3	Lattice strain and atomic replacement of CoO <sub>6</sub> octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120477.	10.8	30
4	Hybrid Ni/NiO composite with N-doped activated carbon from waste cauliflower leaves: A sustainable bifunctional electrocatalyst for efficient water splitting. <i>Carbon</i> , 2020, 157, 515-524.	5.4	80
5	Cu- and Fe-Codoped Ni Porous Networks as an Active Electrocatalyst for Hydrogen Evolution in Alkaline Medium. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2380-2389.	4.0	26
6	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2020, 10, 2002215.	10.2	198
7	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , 2020, 142, 15295-15304.	6.6	188
8	Boosting Electrocatalytic Ammonia Production through Mimicking "Back-Donation". <i>Chem</i> , 2020, 6, 2690-2702.	5.8	88
9	Metallenes: Recent Advances and Opportunities in Energy Storage and Conversion Applications. , 2020, 2, 1148-1172.		64
10	Hybrid Cobalt and Iron Based Metal Organic Framework Composites as Efficient Bifunctional Electrocatalysts towards Long-Lasting Flexible Zinc-Air Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 1321-1328.	2.4	14
11	Layered Oxide Cathode for Potassium-Ion Battery: Recent Progress and Prospective. <i>Small</i> , 2020, 16, e2002700.	5.2	52
12	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. <i>ACS Nano</i> , 2020, 14, 17640-17651.	7.3	56
13	Frontispiece: Phosphorene-Based Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
14	The on-demand engineering of metal-doped porous carbon nanofibers as efficient bifunctional oxygen catalysts for high-performance flexible Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7297-7308.	5.2	41
15	Electronic Modulation of Nickel Disulfide toward Efficient Water Electrolysis. <i>Small</i> , 2020, 16, e1905885.	5.2	52
16	A New Scalable Preparation of Metal Nanosheets: Potential Applications for Aqueous Zn-Ion Batteries Anode. <i>Advanced Functional Materials</i> , 2020, 30, 2003187.	7.8	46
17	Phosphorene-Based Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 6437-6446.	1.7	39
18	Ultrathin Amorphous Nickel Doped Cobalt Phosphates with Highly Ordered Mesoporous Structures as Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Small</i> , 2020, 16, e1906766.	5.2	50

#	ARTICLE	IF	CITATIONS
19	Bimetallic MOF nanosheets as efficient bifunctional electrocatalysts for oxygen evolution and nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3658-3666.	5.2	119
20	Synthesis, characterizations, and utilization of oxygen-deficient metal oxides for lithium/sodium-ion batteries and supercapacitors. <i>Coordination Chemistry Reviews</i> , 2019, 397, 138-167.	9.5	164
21	Surface treated nickel phosphide nanosheet with oxygen as highly efficient bifunctional electrocatalysts for overall water splitting. <i>Applied Surface Science</i> , 2019, 496, 143741.	3.1	7
22	Ni- and P-doped carbon from waste biomass: A sustainable multifunctional electrode for oxygen reduction, oxygen evolution and hydrogen evolution reactions. <i>Electrochimica Acta</i> , 2019, 314, 49-60.	2.6	71
23	Metallic two-dimensional Cu <sub>2</sub> Si monolayer as promising anode materials for lithium and sodium ion batteries, a first principles study. <i>Journal of Solid State Chemistry</i> , 2019, 274, 265-269.	1.4	14
24	Nanostructured metallic transition metal carbides, nitrides, phosphides, and borides for energy storage and conversion. <i>Nano Today</i> , 2019, 25, 99-121.	6.2	274
25	Synergy of Nb Doping and Surface Alloy Enhanced on Water-splitting Alkali Electrolytic Hydrogen Generation Performance in Ti-based MXene. <i>Advanced Science</i> , 2019, 6, 1900116.	5.6	97
26	Iodine doped composite with biomass carbon dots and reduced graphene oxide: a versatile bifunctional electrode for energy storage and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22650-22662.	5.2	33
27	Few-layer NiPS <sub>3</sub> nanosheets as bifunctional materials for Li-ion storage and oxygen evolution reaction. <i>Nanoscale</i> , 2018, 10, 4890-4896.	2.8	82
28	Ultrathin Porous NiFeV Ternary Layer Hydroxide Nanosheets as a Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2018, 14, 1703257.	5.2	279
29	Constructing Multifunctional Heterostructure of Fe <sub>2</sub> O <sub>3</sub> @Ni <sub>3</sub> Se <sub>4</sub> Nanotubes. <i>Small</i> , 2018, 14, e1704065.	5.2	50
30	O <sub>2</sub> plasma and cation tuned nickel phosphide nanosheets for highly efficient overall water splitting. <i>Nano Energy</i> , 2018, 54, 82-90.	8.2	116
31	Self-Assemble and In Situ Formation of Ni <sub>1-x</sub> Fe <sub>x</sub> PS <sub>3</sub> Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801127.	10.2	204
32	Performance-improved Li-O <sub>2</sub> batteries by tailoring the phases of Mo <sub>x</sub> C porous nanorods as an efficient cathode. <i>Nanoscale</i> , 2018, 10, 14877-14884.	2.8	28
33	Scalable synthesis of SnS <sub>2</sub> /S-doped graphene composites for superior Li/Na-ion batteries. <i>Nanoscale</i> , 2017, 9, 14820-14825.	2.8	94