

Dongwook Lim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

650
citations

623188

14
h-index

752256

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23
all docs

23
docs citations

23
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinel-type NiCo ₂ O ₄ with abundant oxygen vacancies as a high-performance catalyst for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 23775-23783.	3.8	63
2	Fe-doped Ni ₃ S ₂ nanoneedles directly grown on Ni foam as highly efficient bifunctional electrocatalysts for alkaline overall water splitting. Electrochimica Acta, 2020, 361, 137080.	2.6	60
3	Defect-rich Fe-doped Co ₃ O ₄ derived from bimetallic-organic framework as an enhanced electrocatalyst for oxygen evolution reaction. Chemical Engineering Journal, 2021, 424, 130400.	6.6	56
4	Oxygen-deficient NiFe ₂ O ₄ Spinel Nanoparticles as an Enhanced Electrocatalyst for the Oxygen Evolution Reaction. ChemNanoMat, 2019, 5, 1296-1302.	1.5	55
5	Strongly Coupled Ni/Ni(OH) ₂ Hybrid Nanocomposites as Highly Active Bifunctional Electrocatalysts for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 4431-4439.	3.2	54
6	FeCo alloy nanoparticles embedded in N-doped carbon supported on highly defective ketjenblack as effective bifunctional electrocatalysts for rechargeable Zn-air batteries. Applied Catalysis B: Environmental, 2022, 315, 121501.	10.8	54
7	A hierarchical Co ₃ O ₄ /CoS microbox heterostructure as a highly efficient bifunctional electrocatalyst for rechargeable Zn-air batteries. Journal of Materials Chemistry A, 2021, 9, 17344-17352.	5.2	40
8	N, S-doped nanocarbon derived from ZIF-8 as a highly efficient and durable electro-catalyst for oxygen reduction reaction. Journal of Solid State Chemistry, 2019, 274, 237-242.	1.4	39
9	Hexagonal γ -Ni(OH) ₂ nanoplates with oxygen vacancies as efficient catalysts for the oxygen evolution reaction. Electrochimica Acta, 2019, 324, 134868.	2.6	37
10	Facile synthesis of flower-like P-doped nickel-iron disulfide microspheres as advanced electrocatalysts for the oxygen evolution reaction. Journal of Power Sources, 2021, 490, 229552.	4.0	32
11	Bimetallic-metal organic framework-derived Ni ₃ S ₂ /MoS ₂ hollow spheres as bifunctional electrocatalyst for highly efficient and stable overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 8165-8176.	3.8	31
12	Effect of proton irradiation on electrocatalytic properties of MnO ₂ for oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 11659-11664.	5.2	28
13	Facile synthesis of P-doped NiCo ₂ S ₄ nanoneedles supported on Ni foam as highly efficient electrocatalysts for alkaline oxygen evolution reaction. Electrochimica Acta, 2021, 396, 139236.	2.6	25
14	Hexagonal CoFe ₂ O ₄ / γ -Ni(OH) ₂ heterojunction composite as an advanced electrocatalyst for the oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 27874-27882.	3.8	14
15	Prussian blue analog-derived Co/CoTe microcube as a highly efficient and stable electrocatalyst toward oxygen evolution reaction. Applied Surface Science, 2022, 581, 152405.	3.1	14
16	Synthesis and characterization of different MnO ₂ morphologies for lithium-air batteries. Electronic Materials Letters, 2014, 10, 957-962.	1.0	13
17	Interface engineering of Cu ₃ P/FeP heterostructure as an enhanced electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 32364-32372.	3.8	13
18	Ni-doped Mn ₂ O ₃ microspheres as highly efficient electrocatalyst for oxygen reduction reaction and Zn-air battery. International Journal of Hydrogen Energy, 2022, 47, 2378-2388.	3.8	13

#	ARTICLE	IF	CITATIONS
19	Hollow hierarchical zinc cobalt sulfides derived from bimetallic-organic-framework as a non-precious electrocatalyst for oxygen reduction reaction. <i>Molecular Catalysis</i> , 2021, 509, 111614.	1.0	5
20	Synthesis of Manganese Oxide for Supercapacitors: Effect of Precursor on Electrocatalytic Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7947-7951.	0.9	3
21	Facile Analytical Methods to Determine the Purity of Titanium Tetrachloride. <i>International Journal of Analytical Chemistry</i> , 2018, 2018, 1-5.	0.4	1
22	Electrochemical Deposition of Mesoporous Manganese Oxide Films Using Mixed Surfactants as Templating Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7906-7911.	0.9	0