Dongwook Lim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11962808/publications.pdf

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22	650	623734	752698
papers	citations	14 h-index	20 g-index

23	23	23	567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spinel-type NiCo2O4 with abundant oxygen vacancies as a high-performance catalyst for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 23775-23783.	7.1	63
2	Fe-doped Ni3S2 nanoneedles directly grown on Ni foam as highly efficient bifunctional electrocatalysts for alkaline overall water splitting. Electrochimica Acta, 2020, 361, 137080.	5.2	60
3	Defect-rich Fe-doped Co3O4 derived from bimetallic-organic framework as an enhanced electrocatalyst for oxygen evolution reaction. Chemical Engineering Journal, 2021, 424, 130400.	12.7	56
4	Oxygenâ€Deficient NiFe₂O₄ Spinel Nanoparticles as an Enhanced Electrocatalyst for the Oxygen Evolution Reaction. ChemNanoMat, 2019, 5, 1296-1302.	2.8	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.	6.7	54
6	FeCo alloy nanoparticles embedded in N-doped carbon supported on highly defective ketjenblack as effective bifunctional electrocatalysts for rechargeable Znâ€“air batteries. Applied Catalysis B: Environmental, 2022, 315, 121501.	20.2	54
7	A hierarchical Co₃O₄/CoS microbox heterostructure as a highly efficient bifunctional electrocatalyst for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 17344-17352.	10.3	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.	2.9	39
9	Hexagonal Î²-Ni(OH)2 nanoplates with oxygen vacancies as efficient catalysts for the oxygen evolution reaction. Electrochimica Acta, 2019, 324, 134868.	5.2	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.	7.8	32
11	Bimetallic-metal organic framework-derived Ni3S2/MoS2 hollow spheres as bifunctional electrocatalyst for highly efficient and stable overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 8165-8176.	7.1	31
12	Effect of proton irradiation on electrocatalytic properties of MnO₂ for oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 11659-11664.	10.3	28
13	Facile synthesis of P-doped NiCo2S4 nanoneedles supported on Ni foam as highly efficient electrocatalysts for alkaline oxygen evolution reaction. Electrochimica Acta, 2021, 396, 139236.	5.2	25
14	Hexagonal CoFe2O4/Î²-Ni(OH)2 heterojunction composite as an advanced electrocatalyst for the oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 27874-27882.	7.1	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.	6.1	14
16	Synthesis and characterization of different MnO2 morphologies for lithium-air batteries. Electronic Materials Letters, 2014, 10, 957-962.	2.2	13
17	Interface engineering of Cu3P/FeP heterostructure as an enhanced electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 32364-32372.	7.1	13
18	Ni-doped Mn2O3 microspheres as highly efficient electrocatalyst for oxygen reduction reaction and Zn-air battery. International Journal of Hydrogen Energy, 2022, 47, 2378-2388.	7.1	13

#	Article	IF	Citations
19	Hollow hierarchical zinc cobalt sulfides derived from bimetallic-organic-framework as a non-precious electrocatalyst for oxygen reduction reaction. Molecular Catalysis, 2021, 509, 111614.	2.0	5
20	Synthesis of Manganese Oxide for Supercapacitors: Effect of Precursor on Electrocatalytic Performance. Journal of Nanoscience and Nanotechnology, 2017, 17, 7947-7951.	0.9	3
21	Facile Analytical Methods to Determine the Purity of Titanium Tetrachloride. International Journal of Analytical Chemistry, 2018, 2018, 1-5.	1.0	1
22	Electrochemical Deposition of Mesoporous Manganese Oxide Films Using Mixed Surfactants as Templating Agents. Journal of Nanoscience and Nanotechnology, 2017, 17, 7906-7911.	0.9	0