Chenglong Luan

List of Publications by Year
in descending order

17	886	516710 16	888059 17
papers	citations	h-index	g-index

17	17	17	1430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure Effects of 2D Materials on Î±-Nickel Hydroxide for Oxygen Evolution Reaction. ACS Nano, 2018, 12, 3875-3885.	14.6	174
2	Cobalt/Molybdenum Phosphide and Oxide Heterostructures Encapsulated in N-Doped Carbon Nanocomposite for Overall Water Splitting in Alkaline Media. ACS Applied Materials & Interfaces, 2019, 11, 6890-6899.	8.0	91
3	Implanting Mo Atoms into Surface Lattice of Pt₃Mn Alloys Enclosed by High-Indexed Facets: Promoting Highly Active Sites for Ethylene Glycol Oxidation. ACS Catalysis, 2019, 9, 442-455.	11.2	79
4	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. Nano Energy, 2018, 48, 590-599.	16.0	76
5	Catalytic Ru containing Pt3Mn nanocrystals enclosed with high-indexed facets: Surface alloyed Ru makes Pt more active than Ru particles for ethylene glycol oxidation. Applied Catalysis B: Environmental, 2019, 253, 11-20.	20.2	60
6	Thein situetching assisted synthesis of Ptâ€“Feâ€“Mn ternary alloys with high-index facets as efficient catalysts for electro-oxidation reactions. Nanoscale, 2019, 11, 9061-9075.	5.6	50
7	NiCo-DH nanodots anchored on amorphous NiCo-Sulfide sheets as efficient electrocatalysts for oxygen evolution reaction. Electrochimica Acta, 2019, 295, 1085-1092.	5.2	46
8	A General Strategy Assisted with Dual Reductants and Dual Protecting Agents for Preparing Ptâ€Based Alloys with Highâ€Index Facets and Excellent Electrocatalytic Performance. Small, 2017, 13, 1702617.	10.0	45
9	In Situ Synthesis of Coreâ€“Shell Ptâ€“Cu Frame@Metalâ€“Organic Frameworks as Multifunctional Catalysts for Hydrogenation Reaction. Chemistry of Materials, 2017, 29, 6336-6345.	6.7	42
10	Phosphorus-Doped FeNi Alloys/NiFe₂O₄ Imbedded in Carbon Network Hollow Bipyramid as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2285-2295.	6.7	39
11	Amorphous NiMS (M: Co, Fe or Mn) holey nanosheets derived from crystal phase transition for enhanced oxygen evolution in water splitting. Electrochimica Acta, 2019, 323, 134756.	5.2	35
12	Restructured PtNi on ultrathin nickel hydroxide for enhanced performance in hydrogen evolution and methanol oxidation. Journal of Catalysis, 2019, 375, 267-278.	6.2	31
13	One-Pot-Synthesized CoFe-Glycerate Hollow Spheres with Rich Oxyhydroxides for Efficient Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 5464-5477.	6.7	31
14	Morphology controllable synthesis of PtNi concave nanocubes enclosed by high-index facets supported on porous graphene for enhanced hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 17790-17796.	10.3	28
15	Promoting effect of nickel hydroxide on the electrocatalytic performance of Pt in alkaline solution. Dalton Transactions, 2018, 47, 7975-7982.	3.3	24
16	In situ fabrication of dynamic self-optimizing Ni₃S₂ nanosheets as an efficient catalyst for the oxygen evolution reaction. Dalton Transactions, 2020, 49, 70-78.	3.3	19
17	Few-layer MoS2 and Pt nanoparticles Co-anchored on MWCNTs for efficient hydrogen evolution over a wide pH range. Electrochimica Acta, 2020, 358, 136927.	5.2	16