

Chenglong Luan

List of Publications by Year in descending order

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1430
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#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> fabrication of dynamic self-optimizing Ni ₃ S ₂ nanosheets as an efficient catalyst for the oxygen evolution reaction. Dalton Transactions, 2020, 49, 70-78.	3.3	19
2	Few-layer MoS ₂ and Pt nanoparticles Co-anchored on MWCNTs for efficient hydrogen evolution over a wide pH range. Electrochimica Acta, 2020, 358, 136927.	5.2	16
3	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
4	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
5	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
6	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
7	Catalytic Ru containing Pt ₃ Mn 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
8	The <i>in situ</i> etching assisted synthesis of Pt-Fe-Mn ternary alloys with high-index facets as efficient catalysts for electro-oxidation reactions. Nanoscale, 2019, 11, 9061-9075.	5.6	50
9	Phosphorus-Doped FeNi Alloys/NiFe ₂ O ₄ 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
10	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
11	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
12	Implanting Mo Atoms into Surface Lattice of Pt ₃ Mn Alloys Enclosed by High-Indexed Facets: Promoting Highly Active Sites for Ethylene Glycol Oxidation. ACS Catalysis, 2019, 9, 442-455.	11.2	79
13	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
14	Structure Effects of 2D Materials on γ -Nickel Hydroxide for Oxygen Evolution Reaction. ACS Nano, 2018, 12, 3875-3885.	14.6	174
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	A General Strategy Assisted with Dual Reductants and Dual Protecting Agents for Preparing Pt-Based Alloys with High-Index Facets and Excellent Electrocatalytic Performance. Small, 2017, 13, 1702617.	10.0	45
17	In Situ Synthesis of Core-Shell Pt-Cu Frame@Metal-Organic Frameworks as Multifunctional Catalysts for Hydrogenation Reaction. Chemistry of Materials, 2017, 29, 6336-6345.	6.7	42