

Nian-Tzu Suen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

3,761
citations

12
h-index

25
g-index

25
ext. papers

4,680
ext. citations

11.6
avg, IF

5.8
L-index

#	Paper	IF	Citations
22	Electrocatalysis for the oxygen evolution reaction: recent development and future perspectives. <i>Chemical Society Reviews</i> , 2017 , 46, 337-365	58.5	3041
21	In Situ Engineering of Double-Phase Interface in Mo/Mo ₂ C Heteronanoshets for Boosted Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , 2018 , 3, 341-348	20.1	111
20	Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018 , 8, 1701686	21.8	95
19	Iridium Oxide-Assisted Plasmon-Induced Hot Carriers: Improvement on Kinetics and Thermodynamics of Hot Carriers. <i>Advanced Energy Materials</i> , 2016 , 6, 1501339	21.8	74
18	Electrochemical Hydrogen Evolution Reaction Efficiently Catalyzed by Ru P Nanoparticles. <i>ChemSusChem</i> , 2018 , 11, 2724-2729	8.3	71
17	Valence- and element-dependent water oxidation behaviors: in situ X-ray diffraction, absorption and electrochemical impedance spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8681-8693	3.6	65
16	Heterojunction of Zinc Blende/Wurtzite in Zn _{1-x} Cd _x S Solid Solution for Efficient Solar Hydrogen Generation: X-ray Absorption/Diffraction Approaches. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22558-69	9.5	63
15	Morphology Manipulation of Copper Nanocrystals and Product Selectivity in the Electrocatalytic Reduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2019 , 9, 5217-5222	13.1	60
14	In Situ Identification of Photo- and Moisture-Dependent Phase Evolution of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017 , 2, 342-348	20.1	49
13	Partial substitution induced centrosymmetric to noncentrosymmetric structure transformation and promising second-order nonlinear optical properties of (KBa)GaSe. <i>Chemical Communications</i> , 2019 , 55, 13701-13704	5.8	49
12	Partial Congener Substitution Induced Centrosymmetric to Noncentrosymmetric Transformation Witnessed by KGa(GeM)Se (M = Si, Sn) and Their Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 13250-13257	5.1	21
11	Intermetallic compounds with high hydrogen evolution reaction performance: a case study of a MCo (M = Ti, Zr, Hf and Sc) series. <i>Chemical Communications</i> , 2019 , 55, 14406-14409	5.8	13
10	HER activity of MNi _{1-x} (M = Cr, Mo and W; x = 0.2) alloy in acid and alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 17533-17539	6.7	12
9	Lanthanide contraction regulates the HER activity of iron triad intermetallics in alkaline media. <i>Chemical Communications</i> , 2020 , 56, 14303-14306	5.8	10
8	Crystal Chemistry and Photocatalytic Properties of RESt ₂ (RE = Gd, Ho, Er, Tm): Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , 2018 , 57, 5343-5351	5.1	10
7	Electronic structure inspired a highly robust electrocatalyst for the oxygen-evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 8071-8074	5.8	8
6	Synthesis, Crystal Structure, Electronic Structure, and Electrocatalytic Hydrogen Evolution Reaction of Synthetic Perryite Mineral. <i>Inorganic Chemistry</i> , 2021 , 60, 3006-3014	5.1	4

- 5 Electrocatalysts: Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction (Adv. Energy Mater. 7/2018). *Advanced Energy Materials*, **2018**, 8, 1870032 21.8 2
- 4 Crystal and electronic structure manipulation of Laves intermetallics for boosting hydrogen evolution reaction. *Chemical Communications*, **2021**, 57, 8504-8507 5.8 2
- 3 Crystal and Electronic Structure Modification of Synthetic Perryite Minerals: A Facile Phase Transformation Strategy to Boost the Oxygen Evolution Reaction. *Inorganic Chemistry*, **2021**, 60, 13607-13614¹ 5.1 1
- 2 Function of Doping Ru Element in the Hydrogen Evolution Reaction in Rare-Earth Transition-Metal Intermetallics. *Inorganic Chemistry*, **2021**, 60, 16754-16760 5.1 0
- 1 Electrocatalytic Hydrogen Evolution Reaction of Rhenium Metal and Rhenium-Based Intermetallic in Acid and Alkaline Media. *European Journal of Inorganic Chemistry*, 2.3 0