

# Nian-Tzu Suen

## List of Publications by Year in Descending Order

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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	Function of Doping Ru Element in the Hydrogen Evolution Reaction in Rare-Earth Transition-Metal Intermetallics. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16754-16760	5.1	0
21	Crystal and electronic structure manipulation of Laves intermetallics for boosting hydrogen evolution reaction. <i>Chemical Communications</i> , <b>2021</b> , 57, 8504-8507	5.8	2
20	Synthesis, Crystal Structure, Electronic Structure, and Electrocatalytic Hydrogen Evolution Reaction of Synthetic Perryite Mineral. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3006-3014	5.1	4
19	Crystal and Electronic Structure Modification of Synthetic Perryite Minerals: A Facile Phase Transformation Strategy to Boost the Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 13607-13614	5.1	1
18	Lanthanide contraction regulates the HER activity of iron triad intermetallics in alkaline media. <i>Chemical Communications</i> , <b>2020</b> , 56, 14303-14306	5.8	10
17	Electronic structure inspired a highly robust electrocatalyst for the oxygen-evolution reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 8071-8074	5.8	8
16	HER activity of MNi <sub>1-x</sub> (M = Cr, Mo and W; x = 0.2) alloy in acid and alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 17533-17539	6.7	12
15	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> , <b>2019</b> , 58, 13250-13257	5.1	21
14	Morphology Manipulation of Copper Nanocrystals and Product Selectivity in the Electrocatalytic Reduction of Carbon Dioxide. <i>ACS Catalysis</i> , <b>2019</b> , 9, 5217-5222	13.1	60
13	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> , <b>2019</b> , 55, 14406-14409	5.8	13
12	Partial substitution induced centrosymmetric to noncentrosymmetric structure transformation and promising second-order nonlinear optical properties of (KBa)GaSe. <i>Chemical Communications</i> , <b>2019</b> , 55, 13701-13704	5.8	49
11	Electrocatalysts: Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction (Adv. Energy Mater. 7/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870032	21.8	2
10	Crystal Chemistry and Photocatalytic Properties of RESt <sub>2</sub> (RE = Gd, Ho, Er, Tm): Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5343-5351	5.1	10
9	In Situ Engineering of Double-Phase Interface in Mo/Mo <sub>2</sub> C Heteronanoshells for Boosted Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 341-348	20.1	111
8	Electrochemical Hydrogen Evolution Reaction Efficiently Catalyzed by Ru P Nanoparticles. <i>ChemSusChem</i> , <b>2018</b> , 11, 2724-2729	8.3	71
7	Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701686	21.8	95
6	In Situ Identification of Photo- and Moisture-Dependent Phase Evolution of Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 342-348	20.1	49

5	Electrocatalysis for the oxygen evolution reaction: recent development and future perspectives. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 337-365	58.5	3041
4	Valence- and element-dependent water oxidation behaviors: in situ X-ray diffraction, absorption and electrochemical impedance spectroscopies. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8681-8693 <sup>3,6</sup>	3.6	65
3	Iridium Oxide-Assisted Plasmon-Induced Hot Carriers: Improvement on Kinetics and Thermodynamics of Hot Carriers. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501339	21.8	74
2	Heterojunction of Zinc Blende/Wurtzite in Zn <sub>1-x</sub> Cd <sub>x</sub> S Solid Solution for Efficient Solar Hydrogen Generation: X-ray Absorption/Diffraction Approaches. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 22558-69	9.5	63
1	Electrocatalytic Hydrogen Evolution Reaction of Rhenium Metal and Rhenium-Based Intermetallic in Acid and Alkaline Media. <i>European Journal of Inorganic Chemistry</i> ,	2.3	0