

Nian-Tzu Suen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

5,558
citations

566801

15
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

8310
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalysis for the oxygen evolution reaction: recent development and future perspectives. <i>Chemical Society Reviews</i> , 2017, 46, 337-365.	18.7	4,505
2	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.	8.8	144
3	Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1701686.	10.2	125
4	Iridium Oxide-Assisted Plasmon-Induced Hot Carriers: Improvement on Kinetics and Thermodynamics of Hot Carriers. <i>Advanced Energy Materials</i> , 2016, 6, 1501339.	10.2	111
5	Morphology Manipulation of Copper Nanocrystals and Product Selectivity in the Electrocatalytic Reduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2019, 9, 5217-5222.	5.5	105
6	Electrochemical Hydrogen Evolution Reaction Efficiently Catalyzed by Ru ₂ P Nanoparticles. <i>ChemSusChem</i> , 2018, 11, 2724-2729.	3.6	93
7	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.	1.3	80
8	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, 22558-22569.	4.0	74
9	Partial substitution induced centrosymmetric to noncentrosymmetric structure transformation and promising second-order nonlinear optical properties of (K _{0.38} Ba _{0.81})Ga ₂ Se ₄ . <i>Chemical Communications</i> , 2019, 55, 13701-13704.	2.2	73
10	In Situ Identification of Photo- and Moisture-Dependent Phase Evolution of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 342-348.	8.8	62
11	Partial Congener Substitution Induced Centrosymmetric to Noncentrosymmetric Transformation Witnessed by K ₃ Ga ₃ (Ge ₇ M _x)Se ₂₀ (M = Si, Sn) and Their Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2019, 58, 13250-13257.	1.9	39
12	Intermetallic compounds with high hydrogen evolution reaction performance: a case study of a MCo ₂ (M = Ti, Zr, Hf and Sc) series. <i>Chemical Communications</i> , 2019, 55, 14406-14409.	2.2	23
13	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.	3.8	22
14	Crystal Chemistry and Photocatalytic Properties of RE ₄ S ₄ Te ₃ (RE = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). <i>Journal of Solid State Chemistry</i> , 2020, 383, 101704.	1.9	20
15	Lanthanide contraction regulates the HER activity of iron triad intermetallics in alkaline media. <i>Chemical Communications</i> , 2020, 56, 14303-14306.	2.2	18
16	Electronic structure inspired a highly robust electrocatalyst for the oxygen-evolution reaction. <i>Chemical Communications</i> , 2020, 56, 8071-8074.	2.2	15
17	Alkali metal partial substitution-induced improved second-harmonic generation and enhanced laser-induced damage threshold for Ag-based sulfides. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3779-3787.	3.0	11
18	Function of Doping Ru Element in the Hydrogen Evolution Reaction in Rare-Earth Transition-Metal Intermetallics. <i>Inorganic Chemistry</i> , 2021, 60, 16754-16760.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Synthesis, Crystal Structure, Electronic Structure, and Electrocatalytic Hydrogen Evolution Reaction of Synthetic Perryite Mineral. <i>Inorganic Chemistry</i> , 2021, 60, 3006-3014.	1.9	8
20	Electrocatalysts: Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction (<i>Adv. Energy Mater.</i> 7/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870032.	10.2	5
21	Crystal and electronic structure manipulation of Laves intermetallics for boosting hydrogen evolution reaction. <i>Chemical Communications</i> , 2021, 57, 8504-8507.	2.2	5
22	Crystal and Electronic Structure Modification of Synthetic Perryite Minerals: A Facile Phase Transformation Strategy to Boost the Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 13607-13614.	1.9	4
23	Exploring the synergistic effect of alloying toward hydrogen evolution reaction: a case study of Ni ₃ M (M = Ti, Ge and Sn) series. <i>Dalton Transactions</i> , 2022, 51, 9728-9734.	1.6	4
24	Electrocatalytic Hydrogen Evolution Reaction of Rhenium Metal and Rhenium-Based Intermetallic in Acid and Alkaline Media. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	3
25	Nanostructures: Iridium Oxide-Assisted Plasmon-Induced Hot Carriers: Improvement on Kinetics and Thermodynamics of Hot Carriers (<i>Adv. Energy Mater.</i> 8/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	10.2	0