

Jun Huang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8008741/jun-huang-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

32
papers

791
citations

17
h-index

28
g-index

36
ext. papers

1,126
ext. citations

10.3
avg. IF

4.31
L-index

#	Paper	IF	Citations
32	One-step in-situ sprouting high-performance NiCoSxSey bifunctional catalysts for water electrolysis at low cell voltages and high current densities. <i>Chemical Engineering Journal</i> , 2022 , 435, 134859	14.7	3
31	Compositional and crystallographic design of Ni-Co phosphide heterointerfaced nanowires for high-rate, stable hydrogen generation at industry-relevant electrolysis current densities. <i>Nano Energy</i> , 2022 , 95, 106989	17.1	4
30	Synergistic degradation of fluorene in soil by dielectric barrier discharge plasma combined with P25/NH-MIL-125(Ti).. <i>Chemosphere</i> , 2022 , 133950	8.4	0
29	In-situ engineered heterostructured nickel tellur-selenide nanosheets for robust overall water splitting. <i>Chemical Engineering Journal</i> , 2022 , 446, 137297	14.7	0
28	Trimetallic Octahedral NiCoW Phosphoxide Sprouted from Plasma-Defect-Engineered NiCo Support for Ultrahigh-Performance Electrocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7454-7465	8.3	7
27	A half-bridge IGBT drive and protection circuit in dielectric barrier discharge power supply. <i>Circuit World</i> , 2021 , ahead-of-print,	0.7	1
26	Nb-doped layered FeNi phosphide nanosheets for highly efficient overall water splitting under high current densities. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9918-9926	13	9
25	Focused Plasma- and Pure Water-Enabled, Electrode-Emerged Nanointerfaced NiCo Hydroxide-Oxide for Robust Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45566-45577	9.5	6
24	In-Situ-Engineered 3D Cu3Se2@CoSe2NiSe2 Nanostructures for Highly Efficient Electrocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17215-17224	8.3	14
23	Just add water to split water: ultrahigh-performance bifunctional electrocatalysts fabricated using eco-friendly heterointerfacing of NiCo diselenides. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12035-12044	13	18
22	Multiphase Ni-Fe-selenide nanosheets for highly-efficient and ultra-stable water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119220	21.8	23
21	Trimetallic MoNiCo selenides nanorod electrocatalysts for highly-efficient and ultra-stable hydrogen evolution. <i>Nano Energy</i> , 2020 , 71, 104637	17.1	49
20	Plasma-heteroatom-doped Ni-V-Fe trimetallic phospho-nitride as high-performance bifunctional electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118440	21.8	30
19	Mulberry-Inspired Nickel-Niobium Phosphide on Plasma-Defect-Engineered Carbon Support for High-Performance Hydrogen Evolution. <i>Small</i> , 2020 , 16, e2004843	11	15
18	Water-sprouted, plasma-enhanced Ni-Co phospho-nitride nanosheets boost electrocatalytic hydrogen and oxygen evolution. <i>Chemical Engineering Journal</i> , 2020 , 402, 126257	14.7	26
17	Bi-metallic nitroxide nanodot-decorated tri-metallic sulphide nanosheets by on-electrode plasma-hydrothermal sprouting for overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118254	21.8	47
16	Quantitative Understanding of the Sluggish Kinetics of Hydrogen Reactions in Alkaline Media Based on a Microscopic Hamiltonian Model for the Volmer Step. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17325-17334	3.8	27

15	In situ engineering bi-metallic phospho-nitride bi-functional electrocatalysts for overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 414-423	21.8	69
14	Plasma-doping-enhanced overall water splitting: case study of NiCo hydroxide electrocatalyst. <i>Catalysis Today</i> , 2019 , 337, 147-154	5.3	25
13	Degradation of high-concentration simulated organic wastewater by DBD plasma. <i>Water Science and Technology</i> , 2019 , 80, 1413-1420	2.2	6
12	Holey Ni-Cu phosphide nanosheets as a highly efficient and stable electrocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 537-545	21.8	86
11	Hollow Ni ₂ Mo Chalcogenide Nanopetals as Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1622-1632	8.3	27
10	Cross-linked trimetallic nanopetals for electrocatalytic water splitting. <i>Journal of Power Sources</i> , 2018 , 390, 224-233	8.9	35
9	Sterilization of mycete attached on the unearthed silk fabrics by an atmospheric pressure plasma jet. <i>Chinese Physics B</i> , 2018 , 27, 055207	1.2	3
8	NiS Nanosheet Flowers Decorated with CdS Quantum Dots as a Highly Active Electrocatalysis Electrode for Synergistic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29660-29668	9.5	63
7	Non-equilibrium plasma prevention of Schistosoma japonicum transmission. <i>Scientific Reports</i> , 2016 , 6, 35353	4.9	14
6	Treatment of enterococcus faecalis bacteria by a helium atmospheric cold plasma brush with oxygen addition. <i>Journal of Applied Physics</i> , 2012 , 112, 013304	2.5	40
5	Deactivation of Enterococcus Faecalis Bacteria by an Atmospheric Cold Plasma Brush. <i>Chinese Physics Letters</i> , 2012 , 29, 075203	1.8	7
4	Deactivation of A549 cancer cells in vitro by a dielectric barrier discharge plasma needle. <i>Journal of Applied Physics</i> , 2011 , 109, 053305	2.5	36
3	Dielectric barrier discharge plasma in Ar/O ₂ promoting apoptosis behavior in A549 cancer cells. <i>Applied Physics Letters</i> , 2011 , 99, 253701	3.4	45
2	Characteristics of NO _x Removal Combining Dielectric Barrier Discharge Plasma with Selective Catalytic Reduction by C ₃ H ₆ . <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 086201	1.4	10
1	Treatment of Streptococcus mutans bacteria by a plasma needle. <i>Journal of Applied Physics</i> , 2009 , 105, 063302	2.5	42