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List of Publications by Year
in descending order

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Version: 2024-02-01

23 papers	3,767 citations	430874 18 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	7295 citing authors

#	Article	IF	Citations
1	Organometal halide perovskite solar cells: degradation and stability. Energy and Environmental Science, 2016, 9, 323-356.	30.8	1,457
2	Using hematite for photoelectrochemical water splitting: a review of current progress and challenges. Nanoscale Horizons, 2016, 1, 243-267.	8.0	612
3	The synergetic effect of graphene on Cu₂O nanowire arrays as a highly efficient hydrogen evolution photocathode in water splitting. Journal of Materials Chemistry A, 2014, 2, 18383-18397.	10.3	259
4	Heterostructured Cu₂O/CuO decorated with nickel as a highly efficient photocathode for photoelectrochemical water reduction. Journal of Materials Chemistry A, 2015, 3, 12482-12499.	10.3	257
5	Photoelectrochemical water splitting at low applied potential using a NiOOH coated codoped (Sn, Zr) Î±-Fe₂O₃ photoanode. Journal of Materials Chemistry A, 2015, 3, 5949-5961.	10.3	211
6	A highly stable CuS and CuSâ€“Pt modified Cu₂O/CuO heterostructure as an efficient photocathode for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 2205-2216.	10.3	199
7	Highâ€Performance Bismuthâ€Doped Nickel Aerogel Electrocatalyst for the Methanol Oxidation Reaction. Angewandte Chemie - International Edition, 2020, 59, 13891-13899.	13.8	179
8	Efficient photoelectrochemical water splitting using three dimensional urchin-like hematite nanostructure modified with reduced graphene oxide. Journal of Power Sources, 2015, 287, 119-128.	7.8	94
9	A Robust PtNi Nanoframe/Nâ€Doped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. Angewandte Chemie - International Edition, 2021, 60, 9590-9597.	13.8	88
10	Hydrolysis of cellulose using cellulase physically immobilized on highly stable zirconium based metal-organic frameworks. Bioresource Technology, 2018, 270, 377-382.	9.6	82
11	A highly stable metalâ€“organic framework derived phosphorus doped carbon/Cu₂O structure for efficient photocatalytic phenol degradation and hydrogen production. Journal of Materials Chemistry A, 2019, 7, 6062-6079.	10.3	61
12	Fabrication of 2D NiO Porous Nanosheets with Superior Lithium Storage Performance via a Facile Thermal-Decomposition Method. ACS Applied Energy Materials, 2019, 2, 8262-8273.	5.1	59
13	Sequentially surface modified hematite enables lower applied bias photoelectrochemical water splitting. Physical Chemistry Chemical Physics, 2017, 19, 20881-20890.	2.8	34
14	Copper doped zeolite composite for antimicrobial activity and heavy metal removal from waste water. BMC Chemistry, 2019, 13, 44.	3.8	33
15	A facile strategy for fabricating C@Cu2O/CuO composite for efficient photochemical hydrogen production with high external quantum efficiency. Applied Surface Science, 2020, 534, 147582.	6.1	33
16	Boosting Both Electrocatalytic Activity and Durability of Metal Aerogels via Intrinsic Hierarchical Porosity and Continuous Conductive Network Backbone Preservation. Advanced Energy Materials, 2021, 11, 2002276.	19.5	24
17	Highâ€Performance Bismuthâ€Doped Nickel Aerogel Electrocatalyst for the Methanol Oxidation Reaction. Angewandte Chemie, 2020, 132, 13995-14003.	2.0	22
18	Fatty acid composition, total phenolic contents and antioxidant activity of white and black sesame seed varieties from different localities of Ethiopia. Chemical and Biological Technologies in Agriculture, 2021, 8, .	4.6	22

#	Article	IF	Citations
19	Zirconium based metal-organic framework in-situ assisted hydrothermal pretreatment and enzymatic hydrolysis of Platanus X acerifolia exfoliating bark for bioethanol production. Bioresource Technology, 2019, 280, 213-221.	9.6	18
20	A Robust PtNi Nanoframe/Nâ€Ðoped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. Angewandte Chemie, 2021, 133, 9676-9683.	2.0	9
21	Highly Efficient Multisubstrate Agricultural Waste-Derived Activated Carbon for Enhanced CO₂ Capture. ACS Omega, 2022, 7, 18770-18779.	3.5	8
22	Chemical Composition ofUrtica simensisGrown in Different Regions of Ethiopia. Journal of Chemistry, 2020, 2020, 1-8.	1.9	6
23	Assessment of mineral and sugar contents of Plectranthus edulis landraces. International Journal of Vegetable Science, 0, , 1-8.	1.3	0