

# Amare Aregahegn Dubale

## List of Publications by Citations

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22

papers

2,821

citations

14

h-index

23

g-index

23

ext. papers

3,329

ext. citations

10.1

avg, IF

5.17

L-index

#	Paper	IF	Citations
22	Organometal halide perovskite solar cells: degradation and stability. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 323-356	35.4	1188
21	Using hematite for photoelectrochemical water splitting: a review of current progress and challenges. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 243-267	10.8	477
20	The synergetic effect of graphene on Cu <sub>2</sub> O nanowire arrays as a highly efficient hydrogen evolution photocathode in water splitting. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18383-18397	13	223
19	Heterostructured Cu <sub>2</sub> O/CuO decorated with nickel as a highly efficient photocathode for photoelectrochemical water reduction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12482-12499	13	206
18	Photoelectrochemical water splitting at low applied potential using a NiOOH coated codoped (Sn, Zr) Fe <sub>2</sub> O <sub>3</sub> photoanode. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5949-5961	13	181
17	A highly stable CuS and CuS@Pt modified Cu <sub>2</sub> O/CuO heterostructure as an efficient photocathode for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2205-2216	13	159
16	Efficient photoelectrochemical water splitting using three dimensional urchin-like hematite nanostructure modified with reduced graphene oxide. <i>Journal of Power Sources</i> , <b>2015</b> , 287, 119-128	8.9	86
15	High-Performance Bismuth-Doped Nickel Aerogel Electrocatalyst for the Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13891-13899	16.4	67
14	Hydrolysis of cellulose using cellulase physically immobilized on highly stable zirconium based metal-organic frameworks. <i>Bioresource Technology</i> , <b>2018</b> , 270, 377-382	11	48
13	A highly stable metal-organic framework derived phosphorus doped carbon/Cu <sub>2</sub> O structure for efficient photocatalytic phenol degradation and hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6062-6079	13	33
12	Fabrication of 2D NiO Porous Nanosheets with Superior Lithium Storage Performance via a Facile Thermal-Decomposition Method. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 8262-8273	6.1	29
11	Sequentially surface modified hematite enables lower applied bias photoelectrochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 20881-20890	3.6	26
10	A Robust PtNi Nanoframe/N-Doped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9590-9597	16.4	26
9	Copper doped zeolite composite for antimicrobial activity and heavy metal removal from waste water. <i>BMC Chemistry</i> , <b>2019</b> , 13, 44	3.7	19
8	Zirconium based metal-organic framework in-situ assisted hydrothermal pretreatment and enzymatic hydrolysis of <i>Platanus X acerifolia</i> exfoliating bark for bioethanol production. <i>Bioresource Technology</i> , <b>2019</b> , 280, 213-221	11	12
7	A facile strategy for fabricating C@Cu <sub>2</sub> O/CuO composite for efficient photochemical hydrogen production with high external quantum efficiency. <i>Applied Surface Science</i> , <b>2020</b> , 534, 147582	6.7	12
6	High-Performance Bismuth-Doped Nickel Aerogel Electrocatalyst for the Methanol Oxidation Reaction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13995-14003	3.6	11

5	Boosting Both Electrocatalytic Activity and Durability of Metal Aerogels via Intrinsic Hierarchical Porosity and Continuous Conductive Network Backbone Preservation. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002276	21.8	8
4	Fatty acid composition, total phenolic contents and antioxidant activity of white and black sesame seed varieties from different localities of Ethiopia. <i>Chemical and Biological Technologies in Agriculture</i> , <b>2021</b> , 8,	4.4	5
3	Chemical Composition of <i>Urtica simensis</i> Grown in Different Regions of Ethiopia. <i>Journal of Chemistry</i> , <b>2020</b> , 2020, 1-8	2.3	2
2	A Robust PtNi Nanoframe/N-Doped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9676-9683	3.6	2
1	Assessment of mineral and sugar contents of <i>Plectranthus edulis</i> landraces. <i>International Journal of Vegetable Science</i> , 1-8	1.2	