

Vikas Reddu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

789
citations

1039406

9
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic reduction of carbon dioxide: opportunities with heterogeneous molecular catalysts. <i>Energy and Environmental Science</i> , 2020, 13, 374-403.	15.6	303
2	A Water-Soluble Cu Complex as Molecular Catalyst for Electrocatalytic CO ₂ Reduction on Graphene-Based Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1803151.	10.2	85
3	Ultrathin Amorphous Iron-Nickel Boride Nanosheets for Highly Efficient Electrocatalytic Oxygen Production. <i>Chemistry - A European Journal</i> , 2018, 24, 18502-18511.	1.7	82
4	A Planar, Conjugated N ₄ -Macrocyclic Cobalt Complex for Heterogeneous Electrocatalytic CO ₂ Reduction with High Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17104-17109.	7.2	80
5	Tailoring of Metal Boride Morphology via Anion for Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1901503.	10.2	79
6	Facile Synthesis of Amorphous Ternary Metal Borides-Reduced Graphene Oxide Hybrid with Superior Oxygen Evolution Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 846-855.	4.0	67
7	An Earth-Abundant Tungsten-Nickel Alloy Electrocatalyst for Superior Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2018, 1, 1228-1235.	2.4	57
8	A Planar, Conjugated N ₄ -Macrocyclic Cobalt Complex for Heterogeneous Electrocatalytic CO ₂ Reduction with High Activity. <i>Angewandte Chemie</i> , 2020, 132, 17252-17257.	1.6	14
9	Highly selective and efficient electroreduction of CO ₂ in water by quaterpyridine derivative-based molecular catalyst noncovalently tethered to carbon nanotubes. <i>SmartMat</i> , 2022, 3, 151-162.	6.4	12
10	Effects of Axial Functional Groups on Heterogeneous Molecular Catalysts for Electrocatalytic CO ₂ Reduction. <i>Small Structures</i> , 2021, 2, 2100093.	6.9	9
11	Heterogeneous carbon dioxide reduction reaction by cobalt complexes of 4,4'-disubstituted derivatives of quinquopyridine immobilized on carbon black. <i>Electrochimica Acta</i> , 2021, 380, 138224.	2.6	1