

Vikas Reddu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

789
citations

1039406

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docs citations

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1215
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | Heterogeneous carbon dioxide reduction reaction by cobalt complexes of 4,4'-disubstituted derivatives of quaterpyridine immobilized on carbon black. <i>Electrochimica Acta</i> , 2021, 380, 138224. | 2.6 | 1 |
| 3 | Effects of Axial Functional Groups on Heterogeneous Molecular Catalysts for Electrocatalytic CO ₂ Reduction. <i>Small Structures</i> , 2021, 2, 2100093. | 6.9 | 9 |
| 4 | Electrocatalytic reduction of carbon dioxide: opportunities with heterogeneous molecular catalysts. <i>Energy and Environmental Science</i> , 2020, 13, 374-403. | 15.6 | 303 |
| 5 | 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 |
| 6 | 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 |
| 7 | Tailoring of Metal Boride Morphology via Anion for Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1901503. | 10.2 | 79 |
| 8 | 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 |
| 9 | 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 |
| 10 | An Earth-Abundant Tungsten-Nickel Alloy Electrocatalyst for Superior Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2018, 1, 1228-1235. | 2.4 | 57 |
| 11 | 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 |