

Benjamin CÂ m Martindale

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

2,233
citations

623188

14
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

3548
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Solar Hydrogen Production Using Carbon Quantum Dots and a Molecular Nickel Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 6018-6025. | 6.6 | 519 |
| 2 | Carbon dots as photosensitisers for solar-driven catalysis. <i>Chemical Society Reviews</i> , 2017, 46, 6111-6123. | 18.7 | 436 |
| 3 | Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. <i>Journal of the American Chemical Society</i> , 2016, 138, 9183-9192. | 6.6 | 285 |
| 4 | Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6459-6463. | 7.2 | 201 |
| 5 | Carbon Dots as Versatile Photosensitizers for Solar-Driven Catalysis with Redox Enzymes. <i>Journal of the American Chemical Society</i> , 2016, 138, 16722-16730. | 6.6 | 189 |
| 6 | Bifunctional Iron-Only Electrodes for Efficient Water Splitting with Enhanced Stability through In Situ Electrochemical Regeneration. <i>Advanced Energy Materials</i> , 2016, 6, 1502095. | 10.2 | 136 |
| 7 | Ligand removal from CdS quantum dots for enhanced photocatalytic H ₂ generation in pH neutral water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2856-2862. | 5.2 | 103 |
| 8 | Clean Donor Oxidation Enhances the H ₂ Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9402-9406. | 7.2 | 93 |
| 9 | Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie</i> , 2017, 129, 6559-6563. | 1.6 | 51 |
| 10 | Formic acid electro-synthesis from carbon dioxide in a room temperature ionic liquid. <i>Chemical Communications</i> , 2012, 48, 6487. | 2.2 | 50 |
| 11 | Long-Lived Triplet Excited State in a Heterogeneous Modified Carbon Nitride Photocatalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 4646-4652. | 6.6 | 48 |
| 12 | Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. <i>Chemical Science</i> , 2020, 11, 7456-7461. | 3.7 | 47 |
| 13 | A comparison of the cyclic voltammetry of the Sn/Sn(ii) couple in the room temperature ionic liquids N-butyl-N-methylpyrrolidinium dicyanamide and N-butyl-N-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide: solvent induced changes of electrode reaction mechanism. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1827-1833. | 1.3 | 23 |
| 14 | Clean Donor Oxidation Enhances the H ₂ Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. <i>Angewandte Chemie</i> , 2016, 128, 9548-9552. | 1.6 | 18 |
| 15 | Optofluidic Photonic Crystal Fiber Microreactors for In Situ Studies of Carbon Nanodot-Driven Photoreduction. <i>Analytical Chemistry</i> , 2021, 93, 895-901. | 3.2 | 13 |
| 16 | Room temperature ionic liquid as solvent for in situ Pd/H formation: hydrogenation of carbon-carbon double bonds. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1188-1197. | 1.3 | 11 |
| 17 | Towards the electrochemical quantification of the strength of garlic. <i>Analyst</i> , 2011, 136, 128-133. | 1.7 | 10 |