

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

623734

14
h-index

888059

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.	13.7	519
2	Carbon dots as photosensitisers for solar-driven catalysis. <i>Chemical Society Reviews</i> , 2017, 46, 6111-6123.	38.1	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.	13.7	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.	13.8	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.	13.7	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.	19.5	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.	10.3	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.	13.8	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.	2.0	51
10	Formic acid electro-synthesis from carbon dioxide in a room temperature ionic liquid. <i>Chemical Communications</i> , 2012, 48, 6487.	4.1	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.	13.7	48
12	Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. <i>Chemical Science</i> , 2020, 11, 7456-7461.	7.4	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.	2.8	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.	2.0	18
15	Optofluidic Photonic Crystal Fiber Microreactors for In Situ Studies of Carbon Nanodot-Driven Photoreduction. <i>Analytical Chemistry</i> , 2021, 93, 895-901.	6.5	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.	2.8	11
17	Towards the electrochemical quantification of the strength of garlic. <i>Analyst</i> , 2011, 136, 128-133.	3.5	10