Benjamin C m Martindale

List of Publications by Year in Descending Order

17 papers	1,688 citations	13 h-index	17 g-index
17 ext. papers	1,966 ext. citations	13.5 avg, IF	5.26 L-index

#	Paper	IF	Citations
17	Long-Lived Triplet Excited State in a Heterogeneous Modified Carbon Nitride Photocatalyst. *Journal of the American Chemical Society*, **2021**, 143, 4646-4652	16.4	12
16	Optofluidic Photonic Crystal Fiber Microreactors for In Situ Studies of Carbon Nanodot-Driven Photoreduction. *Analytical Chemistry*, **2021**, 93, 895-901	7.8	3
15	Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. *Chemical Science*, **2020**, 11, 7456-7461	9.4	20
14	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. *Angewandte Chemie*, **2017**, 129, 6559-6563	3.6	34
13	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. *Angewandte Chemie - International Edition*, **2017**, 56, 6459-6463	16.4	156
12	Carbon dots as photosensitisers for solar-driven catalysis. *Chemical Society Reviews*, **2017**, 46, 6111-6123	58.5	316
11	Ligand removal from CdS quantum dots for enhanced photocatalytic H2 generation in pH neutral water. *Journal of Materials Chemistry A*, **2016**, 4, 2856-2862	13	84
10	Clean Donor Oxidation Enhances the H2 Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. *Angewandte Chemie*, **2016**, 128, 9548-9552	3.6	16
9	Clean Donor Oxidation Enhances the H2 Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. *Angewandte Chemie - International Edition*, **2016**, 55, 9402-6	16.4	78
8	Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. *Journal of the American Chemical Society*, **2016**, 138, 9183-92	16.4	210
7	Carbon Dots as Versatile Photosensitizers for Solar-Driven Catalysis with Redox Enzymes. *Journal of the American Chemical Society*, **2016**, 138, 16722-16730	16.4	144
6	Bi-Functional Iron-Only Electrodes for Efficient Water Splitting with Enhanced Stability through In Situ Electrochemical Regeneration. *Advanced Energy Materials*, **2016**, 6, 1502095	21.8	108
5	Solar hydrogen production using carbon quantum dots and a molecular nickel catalyst. *Journal of the American Chemical Society*, **2015**, 137, 6018-25	16.4	417
4	Room temperature ionic liquid as solvent for in situ Pd/H formation: hydrogenation of carbon-carbon double bonds. *Physical Chemistry Chemical Physics*, **2013**, 15, 1188-97	3.6	10
3	Formic acid electro-synthesis from carbon dioxide in a room temperature ionic liquid. *Chemical Communications*, **2012**, 48, 6487-9	5.8	48
2	Towards the electrochemical quantification of the strength of garlic. *Analyst, The*, **2011**, 136, 128-33	5	10
1	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. *Physical Chemistry Chemical Physics*, **2010**, 12, 1827-33	3.6	22