

Robert J Dillon

List of Publications by Year in descending order

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17
papers

1,099
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2179
citing authors

#	ARTICLE	IF	CITATIONS
1	Finding the Way to Solar Fuels with Dye-Sensitized Photoelectrosynthesis Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 13085-13102.	13.7	317
2	Singlet Fission: From Coherences to Kinetics. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2312-2319.	4.6	123
3	Promotion of atomic hydrogen recombination as an alternative to electron trapping for the role of metals in the photocatalytic production of H ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7942-7947.	7.1	109
4	Disentangling the Physical Processes Responsible for the Kinetic Complexity in Interfacial Electron Transfer of Excited Ru(II) Polypyridyl Dyes on TiO ₂ . <i>Journal of the American Chemical Society</i> , 2016, 138, 4426-4438.	13.7	84
5	Correlating the excited state relaxation dynamics as measured by photoluminescence and transient absorption with the photocatalytic activity of Au@TiO ₂ core-shell nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1488-1496.	2.8	65
6	Probing the Nature of Bandgap States in Hydrogen-Treated TiO ₂ Nanowires. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26821-26830.	3.1	54
7	Enabling Efficient Creation of Long-Lived Charge-Separation on Dye-Sensitized NiO Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26786-26796.	8.0	45
8	Photopolymerization of Organic Molecular Crystal Nanorods. <i>Macromolecules</i> , 2007, 40, 9040-9044.	4.8	39
9	The Effects of Photochemical and Mechanical Damage on the Excited State Dynamics of Charge-Transfer Molecular Crystals Composed of Tetracyanobenzene and Aromatic Donor Molecules. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1627-1633.	2.5	32
10	Chromophore-Catalyst Assembly for Water Oxidation Prepared by Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39018-39026.	8.0	32
11	Time-Resolved Studies of Charge Recombination in the Pyrene/TCNQ Charge-Transfer Crystal: Evidence for Tunneling. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5145-5150.	2.5	29
12	Growth and Post-Deposition Treatments of SrTiO ₃ Films for Dye-Sensitized Photoelectrosynthesis Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12282-12290.	8.0	12
13	Interfacial electron transfer yields in dye-sensitized NiO photocathodes correlated to excited-state dipole orientation of ruthenium chromophores. <i>Canadian Journal of Chemistry</i> , 2018, 96, 865-874.	1.1	11
14	Role of Macromolecular Structure in the Ultrafast Energy and Electron Transfer Dynamics of a Light-Harvesting Polymer. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7937-7948.	2.6	7
15	Ultrafast Energy Transfer in Fully Conjugated Thiophene-Benzothiadiazole Capped Poly(Phenylene) Tj ETQq1 1 0.784314 rgBT ₅ /Overlock	3.1	5
16	Dye-Sensitized Nonstoichiometric Strontium Titanate Core-shell Photocathodes for Photoelectrosynthesis Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15261-15269.	8.0	5
17	Distinguishing Plasmonic Photoinduced Electron Transfer and Photothermal Enhancement Mechanisms for Photoelectrocatalytic Ethanol Oxidation on Au Nanoparticle-Decorated Photoelectrodes. <i>ACS Applied Nano Materials</i> , 0, , .	5.0	3