

# Ryan M O'donnell

## List of Publications by Year in descending order

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23  
papers

494  
citations

840776

11  
h-index

839539

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all docs

24  
docs citations

24  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rigidification of cyclometalating ligands for reverse saturable absorption (RSA) materials development. , 2022, , .		1
2	Derivatized phenylbenzothiazole cyclometalating ligands for reverse saturable absorption materials development. , 2022, , .		0
3	Fast Triplet Population in Iridium(III) Complexes with Less than Unity Singlet to Triplet Quantum Yield. Journal of Physical Chemistry C, 2019, 123, 13846-13855.	3.1	5
4	Quantum Yield Measurement of Organometallic Complexes using Double Pump Probe Technique. , 2019, , .		0
5	Analytical Characterization of Nitro-Derivatized Cyclometalating Ligands. , 2019, , .		2
6	Iridium complexes containing nitro-derivatized isoquinoline ligands for photonic applications. , 2019, , .		1
7	Dye Excited States Oriented Relative to TiO <sub>2</sub> Surface Electric Fields. Journal of Physical Chemistry C, 2018, 122, 13863-13871.	3.1	9
8	Dual Emissive Multinuclear Iridium(III) Complexes in Solutions: Linear Photophysical Properties, Two-Photon Absorption Spectra, and Photostability. Journal of Physical Chemistry C, 2018, 122, 6786-6793.	3.1	9
9	Manipulating triplet states: tuning energies, absorption, lifetimes, and annihilation rates in anthanthrene derivatives. Physical Chemistry Chemical Physics, 2018, 20, 28412-28418.	2.8	9
10	Ultra-fast relaxation and singlet-triplet conversion quantum yield of Ir complexes. , 2018, , .		1
11	Electronic Nature of New Ir(III) Complexes: Linear Spectroscopic and Nonlinear Optical Properties. Journal of Physical Chemistry C, 2017, 121, 23609-23617.	3.1	23
12	Photodriven Oxygen Removal via Chromophore-Mediated Singlet Oxygen Sensitization and Chemical Capture. Inorganic Chemistry, 2017, 56, 9273-9280.	4.0	7
13	Nonlinear optical characterization of multinuclear iridium compounds containing tricycloquinazoline. Applied Optics, 2017, 56, B179.	2.1	10
14	A Distance Dependence to Lateral Self-Exchange across Nanocrystalline TiO <sub>2</sub> . A Comparative Study of Three Homologous Ru <sup>III/II</sup> Polypyridyl Compounds. Journal of Physical Chemistry C, 2016, 120, 14226-14235.	3.1	28
15	Photoacidic and Photobasic Behavior of Transition Metal Compounds with Carboxylic Acid Group(s). Journal of the American Chemical Society, 2016, 138, 3891-3903.	13.7	55
16	Cation-Dependent Charge Recombination to Organic Mediators in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2015, 119, 21599-21604.	3.1	22
17	Kinetic Resolution of Charge Recombination and Electric Fields at the Sensitized TiO <sub>2</sub> Interface. Journal of Physical Chemistry C, 2015, 119, 25273-25281.	3.1	17
18	Electric Fields Control TiO <sub>2</sub> (e <sup>-</sup> ) + I <sub>3</sub> <sup>-</sup> → I <sup>•</sup> Charge Recombination in Dye-Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3265-3268.	4.6	31

#	ARTICLE	IF	CITATIONS
19	Electric Fields and Charge Screening in Dye Sensitized Mesoporous Nanocrystalline TiO <sub>2</sub> Thin Films. Journal of Physical Chemistry C, 2014, 118, 16976-16986.	3.1	38
20	Charge-Screening Kinetics at Sensitized TiO <sub>2</sub> Interfaces. Journal of Physical Chemistry Letters, 2013, 4, 2817-2821.	4.6	33
21	Excited-State Relaxation of Ruthenium Polypyridyl Compounds Relevant to Dye-Sensitized Solar Cells. Inorganic Chemistry, 2013, 52, 6839-6848.	4.0	32
22	Detection of cocaine and its metabolites in urine using solid phase extraction-ion mobility spectrometry with alternating least squares. Forensic Science International, 2009, 189, 54-59.	2.2	46
23	Pharmaceutical applications of ion mobility spectrometry. TrAC - Trends in Analytical Chemistry, 2008, 27, 44-53.	11.4	113