Ryan M O'donnell

List of Publications by Year
in descending order

23	494	840776 11	839539 18
papers	citations	h-index	g-index

24	24	24	653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pharmaceutical applications of ion mobility spectrometry. TrAC - Trends in Analytical Chemistry, 2008, 27, 44-53.	11.4	113
2	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
3	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
4	Electric Fields and Charge Screening in Dye Sensitized Mesoporous Nanocrystalline TiO₂ Thin Films. Journal of Physical Chemistry C, 2014, 118, 16976-16986.	3.1	38
5	Charge-Screening Kinetics at Sensitized TiO₂ Interfaces. Journal of Physical Chemistry Letters, 2013, 4, 2817-2821.	4.6	33
6	Excited-State Relaxation of Ruthenium Polypyridyl Compounds Relevant to Dye-Sensitized Solar Cells. Inorganic Chemistry, 2013, 52, 6839-6848.	4.0	32
7	Electric Fields Control TiO₂(e^{â€“}) + I₃^{â€“} â†’ Charge Recombination in Dye-Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3265-3268.	4.6	31
8	A Distance Dependence to Lateral Self-Exchange across Nanocrystalline TiO₂. A Comparative Study of Three Homologous Ru^{III/II} Polypyridyl Compounds. Journal of Physical Chemistry C, 2016, 120, 14226-14235.	3.1	28
9	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
10	Cation-Dependent Charge Recombination to Organic Mediators in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2015, 119, 21599-21604.	3.1	22
11	Kinetic Resolution of Charge Recombination and Electric Fields at the Sensitized TiO₂ Interface. Journal of Physical Chemistry C, 2015, 119, 25273-25281.	3.1	17
12	Nonlinear optical characterization of multinuclear iridium compounds containing tricycloquinazoline. Applied Optics, 2017, 56, B179.	2.1	10
13	Dye Excited States Oriented Relative to TiO₂ Surface Electric Fields. Journal of Physical Chemistry C, 2018, 122, 13863-13871.	3.1	9
14	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
15	Manipulating triplet states: tuning energies, absorption, lifetimes, and annihilation rates in anthanthrene derivatives. Physical Chemistry Chemical Physics, 2018, 20, 28412-28418.	2.8	9
16	Photodriven Oxygen Removal via Chromophore-Mediated Singlet Oxygen Sensitization and Chemical Capture. Inorganic Chemistry, 2017, 56, 9273-9280.	4.0	7
17	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
18	Analytical Characterization of Nitro-Derivatized Cyclometalating Ligands. , 2019, , .		2

#	Article	IF	Citations
19	Ultra-fast relaxation and singlet-triplet conversion quantum yield of Ir complexes. , 2018, , .		1
20	Iridium complexes containing nitro-derivatized isoquinoline ligands for photonic applications. , 2019, , .		1
21	Rigidification of cyclometalating ligands for reverse saturable absorption (RSA) materials development. , 2022, , .		1
22	Quantum Yield Measurement of Organometallic Complexes using Double Pump Probe Technique. , 2019, , .		0
23	Derivatized phenylbenzothiazole cyclometalating ligands for reverse saturable absorption materials development. , 2022, , .		0