Jonathan Rochford

List of Publications by Year
in descending order

48	2,741	279487	243296
papers	citations	23 h-index	44 g-index

50	50	50	4084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-innocent ligand flavone and curcumin inspired ruthenium photosensitizers for solar energy conversion. Physical Chemistry Chemical Physics, 2021, 23, 16516-16524.	1.3	2
2	Characterization of Triphenylamine and Ferrocenyl Donorâ€Ïâ€Donor Vinyl BODIPY Derivatives as Photoacoustic Contrast Agents â€. Photochemistry and Photobiology, 2021, , .	1.3	2
3	Design and characterization of donor-Ï€-acceptor vinyl-BODIPY derivatives as molecular photoacoustic contrast agents. , 2021, , .		0
4	Photophysical and Photoacoustic Properties of Ï€â€Extended Curcumin Dyes. Effects of the Terminal Dimethylamino Electronâ€donor and the Bridging Aryl Ring. Photochemistry and Photobiology, 2019, 95, 280-292.	1.3	4
5	An Investigation of Electrocatalytic CO2 Reduction Using a Manganese Tricarbonyl Biquinoline Complex. Frontiers in Chemistry, 2019, 7, 628.	1.8	26
6	Synergistic Metalâ€“Ligand Redox Cooperativity for Electrocatalytic CO₂ Reduction Promoted by a Ligand-Based Redox Couple in Mn and Re Tricarbonyl Complexes. Organometallics, 2019, 38, 1317-1329.	1.1	37
7	Principles of Photochemical Activation Toward Artificial Photosynthesis and Organic Transformations. , 2018, , 729-752.		4
8	Photophysical and Photoacoustic Properties of Quadrupolar Borondifluoride Curcuminoid Dyes. Chemistry - A European Journal, 2018, 24, 906-917.	1.7	28
9	Characterization of a NIR absorbing thienyl curcumin contrast agent for photoacoustic imaging. Chemical Communications, 2018, 54, 6352-6355.	2.2	21
10	Solar Energy Conversion. , 2018, , 881-918.		7
11	Molecular Photoacoustic Contrast Agents: Design Principles & Applications. Photochemistry and Photobiology, 2018, 94, 1175-1209.	1.3	66
12	Principles of Electrocatalysis. , 2018, , 695-727.		4
13	Mechanistic aspects of CO2 reduction catalysis with manganese-based molecular catalysts. Coordination Chemistry Reviews, 2018, 374, 173-217.	9.5	131
14	Turning on the Protonation-First Pathway for Electrocatalytic CO₂ Reduction by Manganese Bipyridyl Tricarbonyl Complexes. Journal of the American Chemical Society, 2017, 139, 2604-2618.	6.6	210
15	Coordination Chemistry and Reactivity of Bis(aldimino)pyridine Nickel Complexes in Four Different Oxidation States. Organometallics, 2017, 36, 582-593.	1.1	13
16	Engineering of Ruthenium(II) Photosensitizers with Nonâ€Innocent Oxyquinolate and Carboxyamidoquinolate Ligands for Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2017, 23, 7497-7507.	1.7	15
17	Correlation of Photophysical Properties with the Photoacoustic Emission for a Selection of Established Chromophores. Journal of Physical Chemistry C, 2017, 121, 24168-24178.	1.5	19
18	Styryl BODIPY Derivatives as Contrast Agents for In Vivo Photoacoustic Imaging. , 2017, , .		0

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19	Ambiguous electrocatalytic CO₂ reduction behaviour of a nickel bis(aldimino)pyridine pincer complex. Dalton Transactions, 2016, 45, 15285-15289.	1.6	25
20	Probing the Noninnocent Ï€-Bonding Influence of N-Carboxyamidoquinolate Ligands on the Light Harvesting and Redox Properties of Ruthenium Polypyridyl Complexes. Inorganic Chemistry, 2016, 55, 2460-2472.	1.9	17
21	Dyeâ€Sensitized Solarâ€Cell Performance of a Cobalt(III/II) Redox Mediator with the 2,6â€Bis(8â€quinolinyl)pyridine Ligand. European Journal of Inorganic Chemistry, 2015, 2015, 3843-3849.	1.0	6
22	Photoelectrochemical properties of porphyrin dyes with a molecular dipole in the linker. Faraday Discussions, 2015, 185, 497-506.	1.6	9
23	Rigid triarylamine donorâ€“Ï€â€“acceptor porphyrin dyes and their application in dye-sensitized solar cells. RSC Advances, 2015, 5, 41193-41202.	1.7	8
24	A BODIPY-luminol chemiluminescent resonance energy-transfer (CRET) cassette for imaging of cellular superoxide. Organic and Biomolecular Chemistry, 2015, 13, 1763-1767.	1.5	40
25	Synthesis, Electronic and Photophysical Characterization of Ï€-Conjugated meso-Ferrocenyl-porphyrin Fluorescent Redox Switches. Organometallics, 2014, 33, 7078-7090.	1.1	26
26	Synthesis, Structures, and Reactivity of Copper(I) Complexes Supported by a Rigid Dinucleating Ligand. European Journal of Inorganic Chemistry, 2014, 2014, 5865-5873.	1.0	15
27	Shining Light on the Dark Side of Imaging: Excited State Absorption Enhancement of a Bis-styryl BODIPY Photoacoustic Contrast Agent. Journal of the American Chemical Society, 2014, 136, 15853-15856.	6.6	86
28	Controlled CO release using photochemical, thermal and electrochemical approaches from the amino carbene complex [(CO)5CrC(NC4H8)CH3]. Physical Chemistry Chemical Physics, 2014, 16, 21230-21233.	1.3	10
29	Exploring the Noninnocent Character of Electron Rich Ï€-Extended 8-Oxyquinolate Ligands in Ruthenium(II) Bipyridyl Complexes. Inorganic Chemistry, 2014, 53, 5556-5567.	1.9	26
30	Nonlinear optical properties of multipyrrole dyes. Chemical Physics Letters, 2014, 608, 303-307.	1.2	47
31	Tuning Oxyquinolate Nonâ€Innocence at the Ruthenium Polypyridyl Core. European Journal of Inorganic Chemistry, 2013, 2013, 4410-4420.	1.0	16
32	Investigation of Monomeric versus Dimeric fac-Rhenium(I) Tricarbonyl Systems Containing the Noninnocent 8-Oxyquinolate Ligand. Organometallics, 2013, 32, 1832-1841.	1.1	24
33	Convergent synthesis of meso-ferrocenyl porphyrins for TiO2 sensitization. Tetrahedron Letters, 2012, 53, 4700-4703.	0.7	8
34	Evaluation of a Ruthenium Oxyquinolate Architecture for Dye-Sensitized Solar Cells. Inorganic Chemistry, 2012, 51, 1-3.	1.9	66
35	Water Oxidation by a Mononuclear Ruthenium Catalyst: Characterization of the Intermediates. Journal of the American Chemical Society, 2011, 133, 14649-14665.	6.6	180
36	Thienylâ€”Appended porphyrins: Synthesis, photophysical and electrochemical properties, and their applications. Coordination Chemistry Reviews, 2010, 254, 77-102.	9.5	71

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37	Ruthenium complexes with non-innocent ligands: Electron distribution and implications for catalysis. Coordination Chemistry Reviews, 2010, 254, 309-330.	9.5	163
38	Energy Level Alignment of a Zinc(II) Tetraphenylporphyrin Dye Adsorbed onto TiO₂(110) and ZnO(112Ì…0) Surfaces. Journal of Physical Chemistry C, 2010, 114, 1139-1147.	1.5	79
39	Oxidation State Characterization of Ruthenium 2â^'Iminoquinone Complexes through Experimental and Theoretical Studies. Inorganic Chemistry, 2010, 49, 860-869.	1.9	21
40	Photoelectrochemical Behavior of Polychelate Porphyrin Chromophores and Titanium Dioxide Nanotube Arrays for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2009, 113, 2996-3006.	1.5	53
41	Characterization of Redox States of Ru(OH₂)(Q)(tpy)²⁺ (Q =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Experimental and Theoretical Studies. Inorganic Chemistry, 2009, 48, 4372-4383.	1.9	73
42	Photophysical and Electrochemical Properties of meso-Substituted Thien-2-yl Zn(II) Porphyrins. Journal of Physical Chemistry A, 2008, 112, 11611-11618.	1.1	34
43	Zinc(II) Tetraarylporphyrins Anchored to TiO₂, ZnO, and ZrO₂ Nanoparticle Films through Rigid-Rod Linkers. Langmuir, 2008, 24, 5366-5374.	1.6	128
44	Ultrafast transport in dye sensitized ZnO nanotips investigated by terahertz spectroscopy. , 2008, , .		0
45	Redox Control of meso-Zinc(II) Ferrocenylporphyrin Based Fluorescence Switches. Inorganic Chemistry, 2007, 46, 7247-7249.	1.9	86
46	Tetrachelate Porphyrin Chromophores for Metal Oxide Semiconductor Sensitization:Â Effect of the Spacer Length and Anchoring Group Position. Journal of the American Chemical Society, 2007, 129, 4655-4665.	6.6	367
47	Fast Electron Transport in Metal Organic Vapor Deposition Grown Dye-sensitized ZnO Nanorod Solar Cells. Journal of Physical Chemistry B, 2006, 110, 16159-16161.	1.2	411
48	Pyrene-Terminated Phenylenethynylene Rigid Linkers Anchored to Metal Oxide Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 15734-15741.	1.2	54