Tony Khoury

List of Publications by Year in descending order

46 papers	2,709 citations	257357 24 h-index	265120 42 g-index
46 all docs	46 docs citations	46 times ranked	2696 citing authors

#	Article	IF	Citations
1	On the efficiency limit of tripletâ€“triplet annihilation for photochemical upconversion. Physical Chemistry Chemical Physics, 2010, 12, 66-71.	1.3	342
2	Improving the light-harvesting of amorphous silicon solar cells with photochemical upconversion. Energy and Environmental Science, 2012, 5, 6953.	15.6	339
3	Kinetic Analysis of Photochemical Upconversion by Tripletâ^'Triplet Annihilation: Beyond Any Spin Statistical Limit. Journal of Physical Chemistry Letters, 2010, 1, 1795-1799.	2.1	248
4	Real-time single-molecule imaging of oxidation catalysis at a liquidâ€“solid interface. Nature Nanotechnology, 2007, 2, 285-289.	15.6	189
5	Efficiency Enhancement of Organic and Thin-Film Silicon Solar Cells with Photochemical Upconversion. Journal of Physical Chemistry C, 2012, 116, 22794-22801.	1.5	167
6	Dye-Sensitized Solar Cell with Integrated Tripletâ€“Triplet Annihilation Upconversion System. Journal of Physical Chemistry Letters, 2013, 4, 2073-2078.	2.1	158
7	Molecular Electrocatalysis for Oxygen Reduction by Cobalt Porphyrins Adsorbed at Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2010, 132, 2655-2662.	6.6	141
8	Proton-Coupled Oxygen Reduction at Liquidâ^'Liquid Interfaces Catalyzed by Cobalt Porphine. Journal of the American Chemical Society, 2009, 131, 13453-13459.	6.6	109
9	Photochemical Upconversion Enhanced Solar Cells: Effect of a Back Reflector. Australian Journal of Chemistry, 2012, 65, 480.	0.5	85
10	Entropically Driven Photochemical Upconversion. Journal of Physical Chemistry A, 2011, 115, 1047-1053.	1.1	84
11	Oxygen Reduction Catalyzed by a Fluorinated Tetraphenylporphyrin Free Base at Liquid/Liquid Interfaces. Journal of the American Chemical Society, 2010, 132, 13733-13741.	6.6	80
12	Increased upconversion performance for thin film solar cells: a trimolecular composition. Chemical Science, 2016, 7, 559-568.	3.7	78
13	Multiple photosynthetic reaction centres composed of supramolecular assemblies of zinc porphyrin dendrimers with a fullerene acceptor. Chemical Communications, 2011, 47, 7980.	2.2	73
14	A porphyrin-hexa-peri-hexabenzocoronene-porphyrin triad: synthesis, photophysical properties and performance in a photovoltaic device. Journal of Materials Chemistry, 2010, 20, 7005.	6.7	60
15	A strategy for the stepwise ring annulation of all four pyrrolic rings of a porphyrin. Chemical Communications, 2007, , 4851.	2.2	50
16	Efficient up-conversion by triplet-triplet annihilation. Journal of Physics: Conference Series, 2009, 185, 012002.	0.3	39
17	Androgynous Porphyrins. Silver(II) Quinoxalinoporphyrins Act as Both Good Electron Donors and Acceptors. Journal of the American Chemical Society, 2008, 130, 9451-9458.	6.6	35
18	Photoinduced Electron Transfer and Charge-Recombination in 2-Ureido-4[1H]-Pyrimidinone Quadruple Hydrogen-Bonded Porphyrinâ€“Fullerene Assemblies. Journal of Physical Chemistry C, 2011, 115, 23634-23641.	1.5	33

#	Article	IF	Citations
19	Control of the Orbital Delocalization and Implications for Molecular Rectification in the Radical Anions of Porphyrins with Coplanar 90Â° and 180Â° Î²,Î²â€˜-Fused Extensions. Journal of Physical Chemistry A, 2008, 112, 556-570.	1.1	31
20	Evanescent-Field Spectroscopy using Structured Optical Fibers: Detection of Charge-Transfer at the Porphyrin-Silica Interface. Journal of the American Chemical Society, 2009, 131, 2925-2933.	6.6	31
21	Porphyrin-Diones and Porphyrin-Tetraones:â€‰ Reversible Redox Units Being Localized within the Porphyrin Macrocycle and Their Effect on Tautomerism. Journal of the American Chemical Society, 2007, 129, 6576-6588.	6.6	29
22	Construction of building blocks for extended porphyrin arrays by nitration of porphyrin-2,3-diones and quinoxalino[2,3-b]porphyrins. New Journal of Chemistry, 2008, 32, 340-352.	1.4	25
23	Little exchange at the liquid/solid interface: defect-mediated equilibration of physisorbed porphyrin monolayers. Chemical Communications, 2011, 47, 9666.	2.2	25
24	Change in the Site of Electronâ€Transfer Reduction of a Zincâ€“Quinoxalinoporphyrin/Goldâ€“Quinoxalinoporphyrin Dyad by Binding of Scandium Ions and the Resulting Remarkable Elongation of the Chargeâ€Shiftedâ€State Lifetime. Chemistry - A European Journal, 2009, 15, 10493-10503.	1.7	24
25	Gold(III) Porphyrins Containing Two, Three, or Four Î²,Î²â€²-Fused Quinoxalines. Synthesis, Electrochemistry, and Effect of Structure and Acidity on Electroreduction Mechanism. Inorganic Chemistry, 2013, 52, 2474-2483.	1.9	23
26	Micro-optical design of photochemical upconverters for thin-film solar cells. Journal of Photonics for Energy, 2013, 3, 034598.	0.8	21
27	Polymorphism in porphyrin monolayers: the relation between adsorption configuration and molecular conformation. Physical Chemistry Chemical Physics, 2013, 15, 12451.	1.3	21
28	Expansion of the porphyrin Ï€-system: stepwise annelation of porphyrin Î²,Î²â€²-pyrrolic faces leading to trisquinoxalinoporphyrin. New Journal of Chemistry, 2009, 33, 1076.	1.4	20
29	Controlled Templating of Porphyrins by a Molecular Command Layer. Langmuir, 2011, 27, 2644-2651.	1.6	20
30	Kinetic insight into bimolecular upconversion: experiment and simulation. RSC Advances, 2014, 4, 8059-8063.	1.7	16
31	Evaluation of optical fiber microcell reactor for use in remote acid sensing. Optics Letters, 2010, 35, 817.	1.7	15
32	Probing the electronic structure of -fused quinoxalino porphyrins and tetraazaanthracene-bridged bis-porphyrins with resonance Raman spectroscopy and density functional theory. Journal of Molecular Structure, 2012, 1029, 187-198.	1.8	13
33	Unusual Multi-Step Sequential Au^{III}/Au^{II} Processes of Gold(III) Quinoxalinoporphyrins in Acidic Non-Aqueous Media. Inorganic Chemistry, 2011, 50, 12802-12809.	1.9	12
34	Nanostructured upconverters for improved solar cell performance. Proceedings of SPIE, 2013, , .	0.8	12
35	Nanostructuring of Selfâ€Assembled Porphyrin Networks at a Solid/Liquid Interface: Local Manipulation under Global Control. ChemPhysChem, 2014, 15, 3484-3488.	1.0	12
36	Multiple photosynthetic reaction centers composed of supramolecular assemblies of a zinc porphyrin dendrimer with pyridylnaphthalenediimide. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1292-1298.	0.4	10

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37	Synthesis, electrochemistry and spectroelectrochemistry of tetraundecylporphyrins in nonaqueous media. Journal of Porphyrins and Phthalocyanines, 2010, 14, 866-876.	0.4	9
38	Self-assembled porphyrin microrods and observation of structure-induced iridescence. Journal of Materials Chemistry, 2010, 20, 2310.	6.7	9
39	Molecular approaches to third generation photovoltaics: photochemical up-conversion. , 2010, , .		5
40	STM studies of the self-assembly of manganese porphyrin catalysts at the Au(111)â^'n-tetradecane interface. New Journal of Physics, 2009, 11, 083011.	1.2	4
41	Focused ion beam processing and engineering of devices in self-assembled supramolecular structures. Nanotechnology, 2009, 20, 485301.	1.3	4
42	Formation mechanism of polyaniline selfâ€assembled needles and urchinâ€like structures assisted by magnesium oxide. Polymer International, 2015, 64, 505-512.	1.6	3
43	Improving the light-harvesting of second generation solar cells with photochemical upconversion. Proceedings of SPIE, 2012, , .	0.8	2
44	Inline Remote Acid Sensing Using an Optical Fibre Porphyrin Micro-Cell Reactor. , 2010, , .		2
45	Two-photon triplet-triplet annihilation upconversion for photovoltaics. , 2011, , .		1
46	Photochemical Upconversion Applied to Organic and Thin Film Silicon Solar Cells. , 2012, , .		0