

Tony Khoury

List of Publications by Year in descending order

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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	Increased upconversion performance for thin film solar cells: a trimolecular composition. <i>Chemical Science</i> , 2016, 7, 559-568.	3.7	78
2	Formation mechanism of polyaniline self-assembled needles and urchin-like structures assisted by magnesium oxide. <i>Polymer International</i> , 2015, 64, 505-512.	1.6	3
3	Nanostructuring of Self-Assembled Porphyrin Networks at a Solid/Liquid Interface: Local Manipulation under Global Control. <i>ChemPhysChem</i> , 2014, 15, 3484-3488.	1.0	12
4	Kinetic insight into bimolecular upconversion: experiment and simulation. <i>RSC Advances</i> , 2014, 4, 8059-8063.	1.7	16
5	Micro-optical design of photochemical upconverters for thin-film solar cells. <i>Journal of Photonics for Energy</i> , 2013, 3, 034598.	0.8	21
6	Nanostructured upconverters for improved solar cell performance. <i>Proceedings of SPIE</i> , 2013, , .	0.8	12
7	Polymorphism in porphyrin monolayers: the relation between adsorption configuration and molecular conformation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12451.	1.3	21
8	Gold(III) Porphyrins Containing Two, Three, or Four β -Fused Quinoxalines. Synthesis, Electrochemistry, and Effect of Structure and Acidity on Electroreduction Mechanism. <i>Inorganic Chemistry</i> , 2013, 52, 2474-2483.	1.9	23
9	Dye-Sensitized Solar Cell with Integrated Triplet-Triplet Annihilation Upconversion System. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2073-2078.	2.1	158
10	Improving the light-harvesting of second generation solar cells with photochemical upconversion. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
11	Probing the electronic structure of β -fused quinoxalino porphyrins and tetraazaanthracene-bridged bis-porphyrins with resonance Raman spectroscopy and density functional theory. <i>Journal of Molecular Structure</i> , 2012, 1029, 187-198.	1.8	13
12	Efficiency Enhancement of Organic and Thin-Film Silicon Solar Cells with Photochemical Upconversion. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22794-22801.	1.5	167
13	Improving the light-harvesting of amorphous silicon solar cells with photochemical upconversion. <i>Energy and Environmental Science</i> , 2012, 5, 6953.	15.6	339
14	Photochemical Upconversion Enhanced Solar Cells: Effect of a Back Reflector. <i>Australian Journal of Chemistry</i> , 2012, 65, 480.	0.5	85
15	Photochemical Upconversion Applied to Organic and Thin Film Silicon Solar Cells. , 2012, , .		0
16	Little exchange at the liquid/solid interface: defect-mediated equilibration of physisorbed porphyrin monolayers. <i>Chemical Communications</i> , 2011, 47, 9666.	2.2	25
17	Two-photon triplet-triplet annihilation upconversion for photovoltaics. , 2011, , .		1
18	Controlled Templating of Porphyrins by a Molecular Command Layer. <i>Langmuir</i> , 2011, 27, 2644-2651.	1.6	20

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19	Entropically Driven Photochemical Upconversion. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1047-1053.	1.1	84
20	Photoinduced Electron Transfer and Charge-Recombination in 2-Ureido-4[1H]-Pyrimidinone Quadruple Hydrogen-Bonded Porphyrin-Fullerene Assemblies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23634-23641.	1.5	33
21	Multiple photosynthetic reaction centres composed of supramolecular assemblies of zinc porphyrin dendrimers with a fullerene acceptor. <i>Chemical Communications</i> , 2011, 47, 7980.	2.2	73
22	Unusual Multi-Step Sequential Au ^{III} /Au ^{II} Processes of Gold(III) Quinoxalinoporphyrins in Acidic Non-Aqueous Media. <i>Inorganic Chemistry</i> , 2011, 50, 12802-12809.	1.9	12
23	Multiple photosynthetic reaction centers composed of supramolecular assemblies of a zinc porphyrin dendrimer with pyridynaphthalenediimide. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 1292-1298.	0.4	10
24	Synthesis, electrochemistry and spectroelectrochemistry of tetraundecylporphyrins in nonaqueous media. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 866-876.	0.4	9
25	Molecular approaches to third generation photovoltaics: photochemical up-conversion. , 2010, , .		5
26	Kinetic Analysis of Photochemical Upconversion by Triplet-Triplet Annihilation: Beyond Any Spin Statistical Limit. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1795-1799.	2.1	248
27	On the efficiency limit of triplet-triplet annihilation for photochemical upconversion. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 66-71.	1.3	342
28	A porphyrin-hexa-peri-hexabenzocoronene-porphyrin triad: synthesis, photophysical properties and performance in a photovoltaic device. <i>Journal of Materials Chemistry</i> , 2010, 20, 7005.	6.7	60
29	Oxygen Reduction Catalyzed by a Fluorinated Tetraphenylporphyrin Free Base at Liquid/Liquid Interfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 13733-13741.	6.6	80
30	Evaluation of optical fiber microcell reactor for use in remote acid sensing. <i>Optics Letters</i> , 2010, 35, 817.	1.7	15
31	Molecular Electrocatalysis for Oxygen Reduction by Cobalt Porphyrins Adsorbed at Liquid/Liquid Interfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 2655-2662.	6.6	141
32	Self-assembled porphyrin microrods and observation of structure-induced iridescence. <i>Journal of Materials Chemistry</i> , 2010, 20, 2310.	6.7	9
33	Inline Remote Acid Sensing Using an Optical Fibre Porphyrin Micro-Cell Reactor. , 2010, , .		2
34	STM studies of the self-assembly of manganese porphyrin catalysts at the Au(111)-tetradecane interface. <i>New Journal of Physics</i> , 2009, 11, 083011.	1.2	4
35	Focused ion beam processing and engineering of devices in self-assembled supramolecular structures. <i>Nanotechnology</i> , 2009, 20, 485301.	1.3	4
36	Change in the Site of Electron-Transfer Reduction of a Zinc-Quinoxalinoporphyrin/Gold-Quinoxalinoporphyrin Dyad by Binding of Scandium Ions and the Resulting Remarkable Elongation of the Charge-Shifted State Lifetime. <i>Chemistry - A European Journal</i> , 2009, 15, 10493-10503.	1.7	24

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37	Evanescent-Field Spectroscopy using Structured Optical Fibers: Detection of Charge-Transfer at the Porphyrin-Silica Interface. <i>Journal of the American Chemical Society</i> , 2009, 131, 2925-2933.	6.6	31
38	Proton-Coupled Oxygen Reduction at Liquid-Liquid Interfaces Catalyzed by Cobalt Porphine. <i>Journal of the American Chemical Society</i> , 2009, 131, 13453-13459.	6.6	109
39	Efficient up-conversion by triplet-triplet annihilation. <i>Journal of Physics: Conference Series</i> , 2009, 185, 012002.	0.3	39
40	Expansion of the porphyrin π -system: stepwise annelation of porphyrin β , β -pyrrolic faces leading to trisquinoxalino porphyrin. <i>New Journal of Chemistry</i> , 2009, 33, 1076.	1.4	20
41	Construction of building blocks for extended porphyrin arrays by nitration of porphyrin-2,3-diones and quinoxalino[2,3-b]porphyrins. <i>New Journal of Chemistry</i> , 2008, 32, 340-352.	1.4	25
42	Control of the Orbital Delocalization and Implications for Molecular Rectification in the Radical Anions of Porphyrins with Coplanar 90° and 180° β , β -Fused Extensions. <i>Journal of Physical Chemistry A</i> , 2008, 112, 556-570.	1.1	31
43	Androgynous Porphyrins. Silver(II) Quinoxalino porphyrins Act as Both Good Electron Donors and Acceptors. <i>Journal of the American Chemical Society</i> , 2008, 130, 9451-9458.	6.6	35
44	Porphyrin-Diones and Porphyrin-Tetraones: Reversible Redox Units Being Localized within the Porphyrin Macrocycle and Their Effect on Tautomerism. <i>Journal of the American Chemical Society</i> , 2007, 129, 6576-6588.	6.6	29
45	Real-time single-molecule imaging of oxidation catalysis at a liquid-solid interface. <i>Nature Nanotechnology</i> , 2007, 2, 285-289.	15.6	189
46	A strategy for the stepwise ring annulation of all four pyrrolic rings of a porphyrin. <i>Chemical Communications</i> , 2007, , 4851.	2.2	50