Norberto Manfredi

List of Publications by Year
in descending order

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54	1,647	257450 24	289244 40
papers	citations	h-index	g-index

58	58	58	2334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Eutectic Solvents in Solar Energy Technologies. Molecules, 2022, 27, 709.	3.8	23
2	Multibranched Calix[4]areneâ€Based Sensitizers for Efficient Photocatalytic Hydrogen Production. European Journal of Organic Chemistry, 2021, 2021, 284-288.	2.4	7
3	Dyeâ€“catalyst dyads for photoelectrochemical water oxidation based on metal-free sensitizers. RSC Advances, 2021, 11, 5311-5319.	3.6	4
4	Low dye content efficient dye-sensitized solar cells using carbon doped-titania paste from convenient green synthetic process. Inorganica Chimica Acta, 2021, 525, 120487.	2.4	0
5	Calix[4]arene-based molecular photosensitizers for sustainable hydrogen production and other solar applications. Current Opinion in Green and Sustainable Chemistry, 2021, 32, 100534.	5.9	5
6	Practical twoâ€photonâ€absorption cross sections and spectra of eosin and hematoxylin. Journal of Biophotonics, 2020, 13, e202000141.	2.3	5
7	Ferrocene Derivatives Functionalized with Donor/Acceptor (Hetero)Aromatic Substituents: Tuning of Redox Properties. Energies, 2020, 13, 3937.	3.1	10
8	Ecoâ€Friendly Sugarâ€Based Natural Deep Eutectic Solvents as Effective Electrolyte Solutions for Dyeâ€Sensitized Solar Cells. ChemElectroChem, 2020, 7, 1707-1712.	3.4	23
9	Molecular Organic Sensitizers for Photoelectrochemical Water Splitting. European Journal of Inorganic Chemistry, 2020, 2020, 978-999.	2.0	29
10	Molecular Doping for Hole Transporting Materials in Hybrid Perovskite Solar Cells. Metals, 2020, 10, 14.	2.3	9
11	Dye-sensitized photocatalytic and photoelectrochemical hydrogen production through water splitting. Rendiconti Lincei, 2019, 30, 469-483.	2.2	8
12	Photovoltaic characterization of di-branched organic sensitizers for DSSCs. Data in Brief, 2019, 25, 104167.	1.0	1
13	A carbon doped anatase TiO2 as a promising semiconducting layer in Ru-dyes based dye-sensitized solar cells. Inorganica Chimica Acta, 2019, 489, 263-268.	2.4	19
14	An unconventional helical push-pull system for solar cells. Dyes and Pigments, 2019, 161, 382-388.	3.7	12
15	Performance enhancement of a dye-sensitized solar cell by peripheral aromatic and heteroaromatic functionalization in di-branched organic sensitizers. New Journal of Chemistry, 2018, 42, 9281-9290.	2.8	11
16	Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizerâ€“Coadsorbent Intermolecular Interaction. ACS Energy Letters, 2018, 3, 85-91.	17.4	48
17	Helical push-pull systems for solar cells: Electrochemical, computational, photovoltaic and NMR data. Data in Brief, 2018, 21, 2339-2349.	1.0	3
18	Designing Ecoâ€Sustainable Dyeâ€Sensitized Solar Cells by the Use of a Mentholâ€Based Hydrophobic Eutectic Solvent as an Effective Electrolyte Medium. Chemistry - A European Journal, 2018, 24, 17656-17659.	3.3	47

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19	Organic Sensitizers for Photoanode Water Splitting in Dyeâ€Sensitized Photoelectrochemical Cells. ChemElectroChem, 2018, 5, 2395-2402.	3.4	10
20	A D-Ï€-A organic dye â€“ Reduced graphene oxide covalent dyad as a new concept photosensitizer for light harvesting applications. Carbon, 2017, 115, 746-753.	10.3	25
21	Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. Sustainable Energy and Fuels, 2017, 1, 694-698.	4.9	23
22	Dyeâ€Sensitized Solar Cells that use an Aqueous Choline Chlorideâ€Based Deep Eutectic Solvent as Effective Electrolyte Solution. Energy Technology, 2017, 5, 345-353.	3.8	80
23	Molecular Level Factors Affecting the Efficiency of Organic Chromophores for p-Type Dye Sensitized Solar Cells. Energies, 2016, 9, 33.	3.1	14
24	Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. Chemical Communications, 2016, 52, 6977-6980.	4.1	55
25	Engineering TiO₂/Perovskite Planar Heterojunction for Hysteresisâ€Less Solar Cells. Advanced Materials Interfaces, 2016, 3, 1600493.	3.7	24
26	Dyeâ€Sensitized Solar Hydrogen Production: The Emerging Role of Metalâ€Free Organic Sensitizers. European Journal of Organic Chemistry, 2016, 2016, 5194-5215.	2.4	77
27	Front Cover: Dye-Sensitized Solar Hydrogen Production: The Emerging Role of Metal-Free Organic Sensitizers (Eur. J. Org. Chem. 31/2016). European Journal of Organic Chemistry, 2016, 2016, 5189-5189.	2.4	0
28	Tuning Thiopheneâ€Based Phenothiazines for Stable Photocatalytic Hydrogen Production. ChemSusChem, 2015, 8, 4216-4228.	6.8	48
29	Benzodithiophene based organic dyes for DSSC: Effect of alkyl chain substitution on dye efficiency. Dyes and Pigments, 2015, 121, 351-362.	3.7	25
30	Lifetime Shortening and Fast Energyâ€Transfer Processes upon Dimerization of a Aâ€Ïâ€Dâ€Ïâ€A Molecule. ChemPhysChem, 2014, 15, 310-319.	2.1	0
31	Electrolytes for quasi solid-state dye-sensitized solar cells based on block copolymers. Journal of Polymer Science Part A, 2014, 52, 719-727.	2.3	24
32	Multiâ€Branched Multiâ€Anchoring Metalâ€Free Dyes for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2014, 2014, 7069-7086.	2.4	109
33	SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. Plasmonics, 2014, 9, 581-593.	3.4	36
34	Thiocyanate-free ruthenium(II) 2,2â€²-bipyridyl complexes for dye-sensitized solar cells. Polyhedron, 2014, 82, 50-56.	2.2	36
35	Design of Ru(II) sensitizers endowed by three anchoring units for adsorption mode and light harvesting optimization. Thin Solid Films, 2014, 560, 86-93.	1.8	9
36	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. Inorganica Chimica Acta, 2013, 405, 98-104.	2.4	24

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37	Electrochemical and Spectroelectrochemical Properties of a New Donorâ€“Acceptor Polymer Containing 3,4-Dialkoxythiophene and 2,1,3-Benzothiadiazole Units. Polymers, 2013, 5, 1068-1080.	4.5	8
38	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. Dalton Transactions, 2012, 41, 11731.	3.3	39
39	Quaterpyridine Ligands for Panchromatic Ru(II) Dye Sensitizers. Journal of Organic Chemistry, 2012, 77, 7945-7956.	3.2	30
40	A new thiocyanate-free cyclometallated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometallated ligand. Journal of Organometallic Chemistry, 2012, 714, 88-93.	1.8	38
41	A vinyleneâ€linked benzo[1,2â€‹b:4,5â€‹b']dithiopheneâ€2,1,3â€benzothiadiazole lowâ€bandgap polymer. Journal of Polymer Science Part A, 2012, 50, 2829-2840.	2.3	25
42	Panchromatic ruthenium sensitizer based on electron-rich heteroarylvinylene Ï€-conjugated quaterpyridine for dye-sensitized solar cells. Dalton Transactions, 2011, 40, 234-242.	3.3	57
43	Electron-rich heteroaromatic conjugated polypyridine ruthenium sensitizers for dye-sensitized solar cells. Dalton Transactions, 2011, 40, 12421.	3.3	70
44	Vinylene-linked pyridine-pyrrole donorâ€“acceptor conjugated polymers. Synthetic Metals, 2011, 161, 763-769.	3.9	10
45	Photophysical and Electrochemical Properties of Thiopheneâ€Based 2â€Arylpyridines. European Journal of Organic Chemistry, 2011, 2011, 5587-5598.	2.4	16
46	Bisâ€Donorâ€“Bisâ€Acceptor Tribranched Organic Sensitizers for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2011, 2011, 6195-6205.	2.4	50
47	Spectroscopic Investigation of Artificial Opals Infiltrated with a Heteroaromatic Quadrupolar Dye. Journal of Physical Chemistry C, 2010, 114, 2403-2413.	3.1	30
48	Pyridineâ^'EDOT Heteroaryleneâ^'Vinylene Donorâ^'Acceptor Polymers. Macromolecules, 2010, 43, 9698-9713.	4.8	28
49	Secondâ€Order Nonlinear Optical Activity of Dipolar Chromophores Based on Pyrroleâ€Hydrazono Donor Moieties. Chemistry - A European Journal, 2009, 15, 6175-6185.	3.3	45
50	Di-branched di-anchoring organic dyes for dye-sensitized solar cells. Energy and Environmental Science, 2009, 2, 1094.	30.8	188
51	Heteroaromatic Donorâ€“Acceptor Ï€â€Conjugated 2,2â€²â€Bipyridines. European Journal of Organic Chemistry, 2008, 2008, 5047-5054.	2.4	18
52	Electron-rich heteroaromatic conjugated bipyridine based ruthenium sensitizer for efficient dye-sensitized solar cells. Chemical Communications, 2008, , 5318.	4.1	107
53	Tuning optical properties of opal photonic crystals by structural defects engineering. Journal of the European Optical Society-Rapid Publications, 0, 4, .	1.9	5
54	Introducing eco-friendly hydrophilic and hydrophobic deep eutectic solvent electrolyte solutions for dye-sensitized solar cells. , 0, , .		0