# Norberto Manfredi

List of Publications by Year
in descending order



| 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 | Di-branched di-anchoring organic dyes for dye-sensitized solar cells. Energy and Environmental Science, 2009, 2, 1094. | 30.8 | 188 |
| 2 | Multiâ€Branched Multiâ€Anchoring Metalâ€Free Dyes for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2014, 2014, 7069-7086. | 2.4 | 109 |
| 3 | Electron-rich heteroaromatic conjugated bipyridine based ruthenium sensitizer for efficient dye-sensitized solar cells. Chemical Communications, 2008, , 5318. | 4.1 | 107 |
| 4 | 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 |
| 5 | 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 |
| 6 | Electron-rich heteroaromatic conjugated polypyridine ruthenium sensitizers for dye-sensitized solar cells. Dalton Transactions, 2011, 40, 12421. | 3.3 | 70 |
| 7 | 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 |
| 8 | Dye-sensitized photocatalytic hydrogen production: distinct activity in a glucose derivative of a phenothiazine dye. Chemical Communications, 2016, 52, 6977-6980. | 4.1 | 55 |
| 9 | Bisâ€Donorâ€"Bisâ€Acceptor Tribranched Organic Sensitizers for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2011, 2011, 6195-6205. | 2.4 | 50 |
| 10 | Tuning Thiopheneâ€Based Phenothiazines for Stable Photocatalytic Hydrogen Production. ChemSusChem, 2015, 8, 4216-4228. | 6.8 | 48 |
| 11 | Dye-Sensitized Photocatalytic Hydrogen Generation: Efficiency Enhancement by Organic Photosensitizerâ€"Coadsorbent Intermolecular Interaction. ACS Energy Letters, 2018, 3, 85-91. | 17.4 | 48 |
| 12 | 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 |
| 13 | 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 |
| 14 | Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. Dalton Transactions, 2012, 41, 11731. | 3.3 | 39 |
| 15 | 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 |
| 16 | SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. Plasmonics, 2014, 9, 581-593. | 3.4 | 36 |
| 17 | Thiocyanate-free ruthenium(II) 2,2â€²-bipyridyl complexes for dye-sensitized solar cells. Polyhedron, 2014, 82, 50-56. | 2.2 | 36 |
| 18 | Spectroscopic Investigation of Artificial Opals Infiltrated with a Heteroaromatic Quadrupolar Dye. Journal of Physical Chemistry C, 2010, 114, 2403-2413. | 3.1 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quaterpyridine Ligands for Panchromatic Ru(II) Dye Sensitizers. Journal of Organic Chemistry, 2012, 77, 7945-7956. | 3.2 | 30 |
| 20 | Molecular Organic Sensitizers for Photoelectrochemical Water Splitting. European Journal of Inorganic Chemistry, 2020, 2020, 978-999. | 2.0 | 29 |
| 21 | Pyridineâˆ'EDOT Heteroaryleneâˆ'Vinylene Donorâˆ'Acceptor Polymers. Macromolecules, 2010, 43, 9698-9713. | 4.8 | 28 |
| 22 | A vinyleneâ€linked benzo[1,2â€<i>b</i>:4,5â€<i>b'</i>]dithiopheneâ€2,1,3â€benzothiadiazole lowâ€bandgap polymer. Journal of Polymer Science Part A, 2012, 50, 2829-2840. | 2.3 | 25 |
| 23 | Benzodithiophene based organic dyes for DSSC: Effect of alkyl chain substitution on dye efficiency. Dyes and Pigments, 2015, 121, 351-362. | 3.7 | 25 |
| 24 | 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 |
| 25 | Ruthenium oxyquinolate complexes for dye-sensitized solar cells. Inorganica Chimica Acta, 2013, 405, 98-104. | 2.4 | 24 |
| 26 | 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 |
| 27 | Engineering TiO<sub>2</sub>/Perovskite Planar Heterojunction for Hysteresisâ€Less Solar Cells. Advanced Materials Interfaces, 2016, 3, 1600493. | 3.7 | 24 |
| 28 | Enhanced photocatalytic hydrogen generation using carbazole-based sensitizers. Sustainable Energy and Fuels, 2017, 1, 694-698. | 4.9 | 23 |
| 29 | 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 |
| 30 | Deep Eutectic Solvents in Solar Energy Technologies. Molecules, 2022, 27, 709. | 3.8 | 23 |
| 31 | 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 |
| 32 | Heteroaromatic Donorâ€"Acceptor Ï€â€Conjugated 2,2â€²â€Bipyridines. European Journal of Organic Chemistry, 2008, 2008, 5047-5054. | 2.4 | 18 |
| 33 | Photophysical and Electrochemical Properties of Thiopheneâ€Based 2â€Arylpyridines. European Journal of Organic Chemistry, 2011, 2011, 5587-5598. | 2.4 | 16 |
| 34 | Molecular Level Factors Affecting the Efficiency of Organic Chromophores for p-Type Dye Sensitized Solar Cells. Energies, 2016, 9, 33. | 3.1 | 14 |
| 35 | An unconventional helical push-pull system for solar cells. Dyes and Pigments, 2019, 161, 382-388. | 3.7 | 12 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Vinylene-linked pyridine-pyrrole donorâ€“acceptor conjugated polymers. Synthetic Metals, 2011, 161, 763-769. | 3.9 | 10 |
| 38 | Organic Sensitizers for Photoanode Water Splitting in Dyeâ€Sensitized Photoelectrochemical Cells. ChemElectroChem, 2018, 5, 2395-2402. | 3.4 | 10 |
| 39 | Ferrocene Derivatives Functionalized with Donor/Acceptor (Hetero)Aromatic Substituents: Tuning of Redox Properties. Energies, 2020, 13, 3937. | 3.1 | 10 |
| 40 | 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 |
| 41 | Molecular Doping for Hole Transporting Materials in Hybrid Perovskite Solar Cells. Metals, 2020, 10, 14. | 2.3 | 9 |
| 42 | 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 |
| 43 | Dye-sensitized photocatalytic and photoelectrochemical hydrogen production through water splitting. Rendiconti Lincei, 2019, 30, 469-483. | 2.2 | 8 |
| 44 | Multibranched Calix[4]areneâ€Based Sensitizers for Efficient Photocatalytic Hydrogen Production. European Journal of Organic Chemistry, 2021, 2021, 284-288. | 2.4 | 7 |
| 45 | Tuning optical properties of opal photonic crystals by structural defects engineering. Journal of the European Optical Society-Rapid Publications, 0, 4, . | 1.9 | 5 |
| 46 | Practical twoâ€photonâ€absorption cross sections and spectra of eosin and hematoxylin. Journal of Biophotonics, 2020, 13, e202000141. | 2.3 | 5 |
| 47 | 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 |
| 48 | Dyeâ€“catalyst dyads for photoelectrochemical water oxidation based on metal-free sensitizers. RSC Advances, 2021, 11, 5311-5319. | 3.6 | 4 |
| 49 | Helical push-pull systems for solar cells: Electrochemical, computational, photovoltaic and NMR data. Data in Brief, 2018, 21, 2339-2349. | 1.0 | 3 |
| 50 | Photovoltaic characterization of di-branched organic sensitizers for DSSCs. Data in Brief, 2019, 25, 104167. | 1.0 | 1 |
| 51 | Lifetime Shortening and Fast Energyâ€Transfer Processes upon Dimerization of a Aâ€ï€â€Dâ€ï€â€A Molecule. ChemPhysChem, 2014, 15, 310-319. | 2.1 | 0 |
| 52 | 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 |
| 53 | Introducing eco-friendly hydrophilic and hydrophobic deep eutectic solvent electrolyte solutions for dye-sensitized solar cells. , 0, , . | | 0 |
| 54 | 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 |