Fabrice Odobel

List of Publications by Citations

193 papers	9,440 citations	56 h-index	88 g-index
197 ext. papers	10,112 ext. citations	7 avg, IF	6.11 L-index

#	Paper	IF	Citations
193	New photovoltaic devices based on the sensitization of p-type semiconductors: challenges and opportunities. *Accounts of Chemical Research*, **2010**, 43, 1063-71	24.3	404
192	Phosphonate-based bipyridine dyes for stable photovoltaic devices. *Inorganic Chemistry*, **2001**, 40, 6073-9	5.1	275
191	Recent advances and future directions to optimize the performances of p-type dye-sensitized solar cells. *Coordination Chemistry Reviews*, **2012**, 256, 2414-2423	23.2	247
190	A p-type NiO-based dye-sensitized solar cell with an open-circuit voltage of 0.35 V. *Angewandte Chemie - International Edition*, **2009**, 48, 4402-5	16.4	237
189	Sacrificial electron donor reagents for solar fuel production. *Comptes Rendus Chimie*, **2017**, 20, 283-295	2.7	232
188	Porphyrin dyes for TiO2 sensitization. *Journal of Materials Chemistry*, **2003**, 13, 502-510		219
187	Recent Advances in the Sensitization of Wide-Band-Gap Nanostructured p-Type Semiconductors. Photovoltaic and Photocatalytic Applications. *Journal of Physical Chemistry Letters*, **2013**, 4, 2551-2564	6.4	207
186	Design of molecular dyes for application in photoelectrochemical and electrochromic devices based on nanocrystalline metal oxide semiconductors. *Coordination Chemistry Reviews*, **2004**, 248, 1299-1316	23.2	201
185	Through-Space Charge Transfer in Rod-Like Molecules: Lessons from Theory. *Journal of Physical Chemistry C*, **2012**, 116, 11946-11955	3.8	193
184	Sensitized hole injection of phosphorus porphyrin into NiO: toward new photovoltaic devices. *Journal of Physical Chemistry B*, **2005**, 109, 22928-34	3.4	178
183	Improved Photon-to-Current Conversion Efficiency with a Nanoporous p-Type NiO Electrode by the Use of a Sensitizer-Acceptor Dyad. *Journal of Physical Chemistry C*, **2008**, 112, 1721-1728	3.8	164
182	Sequence Selective Binding of Peptides by Artificial Receptors in Aqueous Solution. *Journal of the American Chemical Society*, **1998**, 120, 3536-3537	16.4	147
181	Photoinduced Electron- and Energy-Transfer Processes Occurring within Porphyrin-Metal-Bisterpyridyl Conjugates. *Journal of the American Chemical Society*, **1994**, 116, 5679-5690	16.4	137
180	Synthesis, photophysical and photovoltaic investigations of acceptor-functionalized perylene monoimide dyes for nickel oxide p-type dye-sensitized solar cells. *Energy and Environmental Science* , **2011**, 4, 2075	35.4	133
179	Multistep Electron Transfer between Porphyrin Modules Assembled around a Ruthenium Center. *Journal of the American Chemical Society*, **1995**, 117, 9461-9472	16.4	133
178	A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. *Physical Chemistry Chemical Physics*, **2016**, 18, 10727-38	3.6	116
177	Cobalt Polypyridyl-Based Electrolytes for p-Type Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2011**, 115, 9772-9779	3.8	112

176	Ruthenium polypyridine complexes as sensitizers in NiO based p-type dye-sensitized solar cells: Effects of the anchoring groups. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 219, 235-242	4.7	107
175	CuGaO2: a promising alternative for NiO in p-type dye solar cells. *Journal of Materials Chemistry*, **2012**, 22, 14353		105
174	Synthesis and comprehensive characterizations of new cis-RuL(2)X(2) (X = Cl, CN, and NCS) sensitizers for nanocrystalline TiO(2) solar cell using Bis-phosphonated bipyridine ligands (L). *Inorganic Chemistry*, **2003**, 42, 6655-66	5.1	104
173	Monolayers as models for supported catalysts: zirconium phosphonate films containing manganese(III) porphyrins. *Journal of the American Chemical Society*, **2002**, 124, 4363-70	16.4	104
172	Coupled sensitizer-catalyst dyads: electron-transfer reactions in a perylene-polyoxometalate conjugate. *Chemistry - A European Journal*, **2009**, 15, 3130-8	4.8	100
171	Intramolecular Electron Transfer Reactions Observed for Dawson-Type Polyoxometalates Covalently Linked to Porphyrin Residues. *Journal of Physical Chemistry C*, **2009**, 113, 5834-5842	3.8	96
170	Panchromatic trichromophoric sensitizer for dye-sensitized solar cells using antenna effect. *Organic Letters*, **2011**, 13, 3944-7	6.2	95
169	P-type nitrogen-doped ZnO nanoparticles stable under ambient conditions. *Journal of the American Chemical Society*, **2012**, 134, 464-70	16.4	93
168	Syntheses and properties of core-substituted naphthalene bisimides with aryl ethynyl or cyano groups. *Journal of Materials Chemistry*, **2007**, 17, 4139		92
167	Very large acceleration of the photoinduced electron transfer in a Ru(bpy)3-naphthalene bisimide dyad bridged on the naphthyl core. *Chemical Communications*, **2007**, 64-6	5.8	89
166	Synthesis of oligothiophene-bridged bisporphyrins and study of the linkage dependence of the electronic coupling. *Chemistry - A European Journal*, **2002**, 8, 3027-46	4.8	88
165	Role of the triiodide/iodide redox couple in dye regeneration in p-type dye-sensitized solar cells. *Langmuir*, **2012**, 28, 6485-93	4	87
164	Accumulative charge separation inspired by photosynthesis. *Journal of the American Chemical Society*, **2010**, 132, 17977-9	16.4	86
163	Comparison of interfacial electron transfer through carboxylate and phosphonate anchoring groups. *Journal of Physical Chemistry A*, **2007**, 111, 6832-42	2.8	84
162	Synthesis of new perylene imide dyes and their photovoltaic performances in nanocrystalline TiO2 dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 197, 156-169	4.7	80
161	A porphyrin-polyoxometallate bio-inspired mimic for artificial photosynthesis. *Physical Chemistry Chemical Physics*, **2009**, 11, 8767-73	3.6	79
160	Molecular devices featuring sequential photoinduced charge separations for the storage of multiple redox equivalents. *Coordination Chemistry Reviews*, **2011**, 255, 2578-2593	23.2	77
159	Recent advances and insights in dye-sensitized NiO photocathodes for photovoltaic devices. *Journal of Materials Chemistry A*, **2017**, 5, 21077-21113	13	76

158	Tuning the size and color of the p-type wide band gap delafossite semiconductor CuGaO2 with ethylene glycol assisted hydrothermal synthesis. *Journal of Materials Chemistry*, **2008**, 18, 5647		76
157	Heteroleptic copper(I) polypyridine complexes as efficient sensitizers for dye sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 9944-9947	13	75
156	An efficient Ru(II) -Rh(III) -Ru(II) polypyridyl photocatalyst for visible-light-driven hydrogen production in aqueous solution. *Angewandte Chemie - International Edition*, **2014**, 53, 1654-8	16.4	74
155	First application of the HETPHEN concept to new heteroleptic bis(diimine) copper(I) complexes as sensitizers in dye sensitized solar cells. *Dalton Transactions*, **2013**, 42, 10818-27	4.3	74
154	Simple and reproducible procedure to prepare self-nanostructured NiO films for the fabrication of P-type dye-sensitized solar cells. *Inorganic Chemistry*, **2009**, 48, 8245-50	5.1	74
153	Photo-induced redox catalysis for proton reduction to hydrogen with homogeneous molecular systems using rhodium-based catalysts. *Coordination Chemistry Reviews*, **2015**, 304-305, 20-37	23.2	72
152	Second Generation of Diketopyrrolopyrrole Dyes for NiO-Based Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2016**, 120, 7923-7940	3.8	69
151	Zirconium Phosphonate Frameworks Covalently Pillared with a Bipyridine Moiety. *Chemistry of Materials*, **2001**, 13, 163-173	9.6	69
150	Multichromophoric Sensitizers Based on Squaraine for NiO Based Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2014**, 118, 103-113	3.8	68
149	Heteroleptic bis-diimine copper(I) complexes for applications in solar energy conversion. *Comptes Rendus Chimie*, **2016**, 19, 79-93	2.7	67
148	Sensitization of TiO(2) by Phosphonate-Derivatized Proline Assemblies. *Inorganic Chemistry*, **1999**, 38, 3665-3669	5.1	67
147	Long-Lived Charge Separated State in NiO-Based p-Type Dye-Sensitized Solar Cells with Simple Cyclometalated Iridium Complexes. *Journal of Physical Chemistry Letters*, **2014**, 5, 2254-8	6.4	66
146	Diketopyrrolopyrrole derivatives for efficient NiO-based dye-sensitized solar cells. *Chemical Communications*, **2013**, 49, 8018-20	5.8	66
145	Synthesis of new azido porphyrins and their reactivity in copper(I)-catalyzed Huisgen 1,3-dipolar cycloaddition reaction with alkynes. *Tetrahedron Letters*, **2007**, 48, 6518-6522	2	65
144	Multistep Electron Transfer in a Porphyrin-Ruthenium(II) Bis(terpyridyl)-Porphyrin Triad. *Journal of the American Chemical Society*, **1994**, 116, 5481-5482	16.4	65
143	Mechanisms of Surface Electron Transfer. Proton-Coupled Electron Transfer. *Journal of the American Chemical Society*, **1998**, 120, 13248-13249	16.4	64
142	Supramolecular light harvesting antennas to enhance absorption cross-section in dye-sensitized solar cells. *Chemical Communications*, **2012**, 48, 675-7	5.8	63
141	Origin of the Black Color of NiO Used as Photocathode in p-Type Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2013**, 117, 22478-22483	3.8	61

140	A compact diketopyrrolopyrrole dye as efficient sensitizer in titanium dioxide dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 226, 9-15	4.7	58
139	State-selective electron transfer in an unsymmetric acceptor-Zn(II)porphyrin-acceptor triad: toward a controlled directionality of electron transfer from the porphyrin S2 and S1 states as a basis for a molecular switch. *Journal of Physical Chemistry A*, **2010**, 114, 1709-21	2.8	58
138	A Molecular Tetrad That Generates a High-Energy Charge-Separated State by Mimicking the Photosynthetic Z-Scheme. *Journal of the American Chemical Society*, **2016**, 138, 3752-60	16.4	57
137	A Blue Diketopyrrolopyrrole Sensitizer with High Efficiency in Nickel-Oxide-based Dye-Sensitized Solar Cells. *ChemSusChem*, **2017**, 10, 2618-2625	8.3	56
136	Photoinduced electron transfer in platinum(II) terpyridinyl acetylide complexes connected to a porphyrin unit. *Inorganic Chemistry*, **2005**, 44, 4806-17	5.1	55
135	Ultrafast recombination for NiO sensitized with a series of perylene imide sensitizers exhibiting Marcus normal behaviour. *Chemical Communications*, **2012**, 48, 678-80	5.8	54
134	New heteroleptic bis-phenanthroline copper(I) complexes with dipyridophenazine or imidazole fused phenanthroline ligands: spectral, electrochemical, and quantum chemical studies. *Inorganic Chemistry*, **2011**, 50, 11309-22	5.1	52
133	Preparations and characterizations of bichromophoric systems composed of a ruthenium polypyridine complex connected to a difluoroborazaindacene or a zinc phthalocyanine chromophore. *Inorganic Chemistry*, **2005**, 44, 5600-11	5.1	52
132	Bio-inspired artificial light-harvesting antennas for enhancement of solar energy capture in dye-sensitized solar cells. *Energy and Environmental Science*, **2013**, 6, 2041	35.4	50
131	A p-Type NiO-Based Dye-Sensitized Solar Cell with an Open-Circuit Voltage of 0.35 V. *Angewandte Chemie*, **2009**, 121, 4466-4469	3.6	50
130	Rotaxanes and other transition metal-assembled porphyrin arrays for long-range photoinduced charge separation. *Coordination Chemistry Reviews*, **1998**, 178-180, 1299-1312	23.2	49
129	Single-step electron transfer on the nanometer scale: ultra-fast charge shift in strongly coupled zinc porphyrin-gold porphyrin dyads. *Chemistry - A European Journal*, **2008**, 14, 3467-80	4.8	49
128	[Rh(III)(dmbpy)2Cl2]+ as a highly efficient catalyst for visible-light-driven hydrogen production in pure water: comparison with other rhodium catalysts. *Chemistry - A European Journal*, **2013**, 19, 782-92	4.8	48
127	Accumulative electron transfer: multiple charge separation in artificial photosynthesis. *Faraday Discussions*, **2012**, 155, 233-52; discussion 297-308	3.6	47
126	Facile and efficient syntheses of 2,2?-bipyridine-based bis(phosphonic) acids. *Tetrahedron Letters*, **1998**, 39, 3689-3692	2	47
125	Characterization of screen printed carbon counter electrodes for Co(II)/(III) mediated photoelectrochemical cells. *Electrochimica Acta*, **2010**, 55, 6517-6522	6.7	46
124	Diketopyrrolopyrrole-porphyrin conjugates as broadly absorbing sensitizers for dye-sensitized solar cells. *ChemSusChem*, **2012**, 5, 1568-77	8.3	45
123	Strongly coupled zinc phthalocyanine-tin porphyrin dyad performing ultra-fast single step charge separation over a 34 A distance. *Chemical Communications*, **2007**, 4629-31	5.8	45

122	Isoindigo derivatives for application in p-type dye sensitized solar cells. *RSC Advances*, **2015**, 5, 85530-85539	3.7	43
121	Distance-independent photoinduced energy transfer over 1.1 to 2.3 nm in ruthenium trisbipyridine–fullerene assemblies. *New Journal of Chemistry*, **2005**, 29, 1272	3.6	43
120	Impact of Mg Doping on Performances of CuGaO2 Based p-Type Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2014**, 118, 54-59	3.8	42
119	Heteroleptic diimine copper(I) complexes with large extinction coefficients: synthesis, quantum chemistry calculations and physico-chemical properties. *Dalton Transactions*, **2013**, 42, 14628-38	4.3	41
118	Diketopyrrolopyrrole-zinc porphyrin, a tuned panchromatic association for dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 7572	13	41
117	Synthesis and nonlinear optical properties of a peripherally functionalized hyperbranched polymer by DR1 chromophores. *ACS Applied Materials & Interfaces*, **2009**, 1, 1799-806	9.5	41
116	Comparison of the photoelectrochemical properties of RDS NiO thin films for p-type DSCs with different organic and organometallic dye-sensitizers and evidence of a direct correlation between cell efficiency and charge recombination. *Journal of Solid State Electrochemistry*, **2015**, 19, 975-986	2.6	40
115	Synthesis, photovoltaic performances and TD-DFT modeling of push-pull diacetylide platinum complexes in TiO2 based dye-sensitized solar cells. *Dalton Transactions*, **2014**, 43, 11233-42	4.3	40
114	Hole conductivity and acceptor density of p-type CuGaO2 nanoparticles determined by impedance spectroscopy: The effect of Mg doping. *Electrochimica Acta*, **2013**, 113, 570-574	6.7	36
113	Synthesis and properties of push–pull porphyrins as sensitizers for NiO based dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 3908-3917	13	36
112	Engineering Processes at the Interface of p-Semiconductor for Enhancing the Open Circuit Voltage in p-Type Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1601776	21.8	35
111	Copper borate as a photocathode in p-type dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 1549-1553	3.7	35
110	Long-range electron transfer in zinc-phthalocyanine-oligo(phenylene-ethynylene)-based donor-bridge-acceptor dyads. *Inorganic Chemistry*, **2012**, 51, 11500-12	5.1	35
109	Anisotropic energy transfer in crystalline chromophore assemblies. *Nature Communications*, **2018**, 9, 4332	17.4	35
108	CuO nanomaterials for p-type dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 112765-112770	3.7	34
107	Charge-transfer state and large first hyperpolarizability constant in a highly electronically coupled zinc and gold porphyrin dyad. *Chemistry - A European Journal*, **2009**, 15, 9058-67	4.8	34
106	Toward Efficient Solid-State p-Type Dye-Sensitized Solar Cells: The Dye Matters. *Journal of Physical Chemistry C*, **2017**, 121, 129-139	3.8	33
105	Dual Anion–Cation Reversible Insertion in a Bipyridinium–Diamide Triad as the Negative Electrode for Aqueous Batteries. *Advanced Energy Materials*, **2018**, 8, 1701988	21.8	33

104	Long-lived, charge-shift states in heterometallic, porphyrin-based dendrimers formed via click chemistry. *Journal of Physical Chemistry A*, **2011**, 115, 5069-80	2.8	33
103	Ultrafast and slow charge recombination dynamics of diketopyrrolopyrrole-NiO dye sensitized solar cells. *Physical Chemistry Chemical Physics*, **2016**, 18, 18515-27	3.6	32
102	A new crosslinkable system based on thermal Huisgen reaction to enhance the stability of electro-optic polymers. *Chemical Communications*, **2009**, 1825-7	5.8	32
101	Synthesis and photoelectrochemical properties of ruthenium bisterpyridine sensitizers functionalized with a thienyl phosphonic acid moiety. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 192, 56-65	4.7	32
100	An efficient synthetic approach to highly conjugated porphyrin-based assemblies containing a bipyridine moiety. *Organic Letters*, **2000**, 2, 131-3	6.2	32
99	Solar electricity and fuel production with perylene monoimide dye-sensitised TiO in water. *Chemical Science*, **2019**, 10, 2758-2766	9.4	31
98	Long-Range Charge Separation in a Ferrocene(Zinc Porphyrin)Naphthalenediimide Triad. Asymmetric Role of 1,2,3-Triazole Linkers. *Journal of Physical Chemistry C*, **2013**, 117, 19334-19345	3.8	31
97	Preparation and characterization of second order non-linear optical properties of new "push-pull" platinum complexes. *Dalton Transactions*, **2009**, 4538-46	4.3	31
96	A cheap and efficient method for selective para-iodination of aniline derivatives. *Tetrahedron Letters*, **2005**, 46, 5421-5423	2	31
95	Full Organic Aqueous Battery Based on TEMPO Small Molecule with Millimeter-Thick Electrodes. *Chemistry of Materials*, **2019**, 31, 1869-1880	9.6	30
94	Ruthenium Sensitizer Functionalized by Acetylacetone Anchoring Groups for Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2013**, 117, 8652-8660	3.8	30
93	Molecular Energy Transfer across Oxide Surfaces*Journal of Physical Chemistry B*, **2001**, 105, 8895-8904	3.4	30
92	Push-pull ruthenium diacetylide complexes: new dyes for p-type dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 19928-19936	3.7	29
91	Hydroporphyrins as tumour photosensitizers: synthesis and photophysical studies of 2,3-dihydro-5,15-di(3,5-dihydroxyphenyl) porphyrin. *Bioorganic and Medicinal Chemistry Letters*, **2003**, 13, 833-5	2.9	29
90	Ruthenium bis-terpyridine complexes connected to an oligothiophene unit for dry dye-sensitised solar cells. *Photochemical and Photobiological Sciences*, **2005**, 4, 200-4	4.2	28
89	Shape selectivity for alkane hydroxylation with a new class of phosphonate-based heterogenised manganese porphyrins. *New Journal of Chemistry*, **1998**, 22, 901-905	3.6	28
88	Palladium Porphyrin Containing Zirconium Phosphonate Langmuir-Blodgett Films. *Chemistry of Materials*, **1999**, 11, 965-976	9.6	28
87	New Cross-Linkable Polymers with Huisgen Reaction Incorporating High -Chromophores for Second-Order Nonlinear Optical Applications. *Chemistry of Materials*, **2012**, 24, 1143-1157	9.6	27

86	Synthesis of new crosslinkable co-polymers containing a push–pull zinc porphyrin for non-linear optical applications. *Tetrahedron*, **2005**, 61, 10113-10121	2.4	26
85	Inorganic Molybdenum Clusters as Light-Harvester in All Inorganic Solar Cells: A Proof of Concept. *ChemistrySelect*, **2016**, 1, 2284-2289	1.8	26
84	Acetylacetone anchoring group for NiO-based dye-sensitized solar cell. *Dyes and Pigments*, **2014**, 105, 174-179	4.6	25
83	An Efficient Ru^{II}–Rh^{III}–Ru^{II} Polypyridyl Photocatalyst for Visible-Light-Driven Hydrogen Production in Aqueous Solution. *Angewandte Chemie*, **2014**, 126, 1680-1684	3.6	25
82	Molecular-structure control of electron transfer dynamics of push–pull porphyrins as sensitizers for NiO based dye sensitized solar cells. *RSC Advances*, **2016**, 6, 77184-77194	3.7	25
81	Photocathode functionalized with a molecular cobalt catalyst for selective carbon dioxide reduction in water. *Nature Communications*, **2020**, 11, 3499	17.4	24
80	Excitonically Coupled States in Crystalline Coordination Networks. *Chemistry - A European Journal*, **2017**, 23, 14316-14322	4.8	23
79	Postfunctionalization of poly(propargyl methacrylate) using copper catalyzed 1,3-dipolar Huisgen cycloaddition: An easy route to electro-optic materials. *Journal of Polymer Science Part A*, **2009**, 47, 5652-5660	2.5	22
78	Very fast single-step photoinduced charge separation in zinc porphyrin bridged to a gold porphyrin by a bisethynyl quaterthiophene. *Inorganic Chemistry*, **2009**, 48, 518-26	5.1	22
77	Exploring the application of new carbazole based dyes as effective p-type photosensitizers in dye-sensitized solar cells. *Solar Energy*, **2017**, 157, 1064-1073	6.8	21
76	Synthesis and properties of new benzothiadiazole-based push-pull dyes for p-type dye sensitized solar cells. *Dyes and Pigments*, **2018**, 148, 154-166	4.6	21
75	Inverse Opal CuCrO Photocathodes for H Production Using Organic Dyes and a Molecular Ni Catalyst. *ACS Catalysis*, **2019**, 9, 9530-9538	13.1	20
74	Digital printing of efficient dye-sensitized solar cells (DSSCs). *Solar Energy*, **2020**, 199, 92-99	6.8	20
73	Design of Efficient Photoinduced Charge Separation in Donor–Copper(I)–Acceptor Triad. *Journal of Physical Chemistry C*, **2014**, 118, 28388-28400	3.8	20
72	Photoinduced electron transfer in Zn(II)porphyrin-bridge-Pt(II)acetylide complexes: variation in rate with anchoring group and position of the bridge. *Inorganic Chemistry*, **2010**, 49, 9823-32	5.1	20
71	Improved efficiency of a thiophene linked ruthenium polypyridine complex for dry dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 186, 135-142	4.7	20
70	Infra-red photoresponse of mesoscopic NiO-based solar cells sensitized with PbS quantum dot. *Scientific Reports*, **2016**, 6, 24908	4.9	19
69	Scope and limitation of the copper free thermal Huisgen cross-linking reaction to stabilize the chromophores orientation in electro-optic polymers. *Polymer Chemistry*, **2011**, 2, 157-167	4.9	19

68	Efficient osmium sensitizers containing 2,2?-bipyridine-4,4?-bisphosphonic acid ligand. *Journal of Photochemistry and Photobiology A: Chemistry*, **2004**, 166, 99-106	4.7	19
67	Click made porphyrin-corrole dyad: a system for photo-induced charge separation. *Dalton Transactions*, **2015**, 44, 13473-9	4.3	18
66	Tuning Optical Properties by Controlled Aggregation: Electroluminescence Assisted by Thermally-Activated Delayed Fluorescence from Thin Films of Crystalline Chromophores. *Chemistry - A European Journal*, **2020**, 26, 17016-17020	4.8	18
65	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. *Angewandte Chemie - International Edition*, **2018**, 57, 13662-13665	16.4	18
64	Intermixed Cation–Anion Aqueous Battery Based on an Extremely Fast and Long-Cycling Di-Block Bipyridinium–Naphthalene Diimide Oligomer. *Advanced Energy Materials*, **2019**, 9, 1803688	21.8	17
63	The first dye-sensitized solar cell with p-type LaOCuS nanoparticles as a photocathode. *RSC Advances*, **2015**, 5, 60148-60151	3.7	17
62	Determining the most promising anchors for CuSCN: ab initio insights towards p-type DSSCs. *Journal of Materials Chemistry A*, **2016**, 4, 2217-2227	13	17
61	Redox properties of hybrid Dawson type polyoxometalates disubstituted with organo-silyl or organo-phosphoryl moieties. *Polyhedron*, **2008**, 27, 688-692	2.7	17
60	Electronic interactions and energy transfer in oligothiophene-linked bis-porphyrins. *Photochemical and Photobiological Sciences*, **2006**, 5, 828-34	4.2	17
59	Supramolecular architectures featuring the antenna effect in solid state DSSCs. *Sustainable Energy and Fuels*, **2017**, 1, 387-395	5.8	16
58	Synthesis and Anticancer Activity of Gold Porphyrin Linked to Malonate Diamine Platinum Complexes. *Inorganic Chemistry*, **2019**, 58, 12395-12406	5.1	16
57	A computational mechanistic investigation of hydrogen production in water using the [Rh(III)(dmbpy)2Cl2](+)/[Ru(II)(bpy)3](2+)/ascorbic acid photocatalytic system. *Physical Chemistry Chemical Physics*, **2015**, 17, 10497-509	3.6	16
56	Anchoring groups for dyes in p-DSSC application: insights from DFT. *Journal of Molecular Modeling*, **2016**, 22, 289	2	16
55	Synthesis of Ni-poor NiO nanoparticles for p-DSSC applications. *Solid State Sciences*, **2016**, 54, 37-42	3.4	16
54	Cu2O@CuO core-shell nanoparticles as photocathode for p-type dye sensitized solar cell. *Journal of Alloys and Compounds*, **2018**, 769, 605-610	5.7	16
53	Synthesis and second-order nonlinear optical properties of a crosslinkable functionalized hyperbranched polymer. *European Polymer Journal*, **2012**, 48, 116-126	5.2	16
52	Synthesis and characterization of poly(fluorinated vinyl ether-alt-tert-butyl trifluoromethacrylate) copolymers. *Journal of Polymer Science Part A*, **2009**, 47, 6116-6123	2.5	16
51	Photoinduced electron transfer in ruthenium(II) trisbipyridine complexes connected to a naphthalenebisimide via an oligo(phenyleneethynylene) spacer. *New Journal of Chemistry*, **2009**, 33, 408-416	3.6	16

50	Amplification of light collection in solid-state dye-sensitized solar cells via the antenna effect through supramolecular assembly. *Physical Chemistry Chemical Physics*, **2015**, 17, 9910-8	3.6	15
49	Free radical copolymerization of fluoroacrylates for optical materials: Synthesis and characterization. *Journal of Polymer Science Part A*, **2009**, 47, 1403-1411	2.5	15
48	Photoinduced Energy Transfer between Ruthenium and Osmium tris-Bipyridine Complexes Covalently Pillared into ZrP. *Langmuir*, **2003**, 19, 30-39	4	15
47	Highly coupled two-component systems consisting of porphyrins attached to a rhodium(III) bis-terpyridine complex. *Tetrahedron Letters*, **1993**, 34, 8113-8116	2	15
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45	Study of the cross-linking mechanism of a copolymer containing an electrooptic chromophore. *Journal of Physical Organic Chemistry*, **2005**, 18, 1050-1058	2.1	14
44	New luminescent copper(I) complexes with extended conjugation. *Polyhedron*, **2018**, 140, 42-50	2.7	14
43	Solvent-Templated Electrodeposition of Mesoporous Nickel Oxide Layers for Solar Cell Applications. *ChemElectroChem*, **2017**, 4, 2618-2625	4.3	13
42	Extremely long-distance electron transfer in porphyrin or phthalocyanine systems directly functionalized by an oligo(phenyleneethynylene) spacer. *Comptes Rendus Chimie*, **2009**, 12, 437-449	2.7	13
41	Simpler and more efficient strategy to stabilize the chromophore orientation in electro-optic polymers with copper-free thermal Huisgen reaction. *Polymer*, **2011**, 52, 2286-2294	3.9	13
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