Claudia Barolo

List of Publications by Year
in descending order

150 papers	5,966 citations	57758 44 h-index	85541 71 g-index
157 all docs	157 docs citations	157 times ranked	6870 citing authors

#	Article	IF	Citations
1	Fluorescent trifluoromethylated imidazo[1,5-a]pyridines and their application in luminescent down-shifting conversion. Journal of Luminescence, 2022, 242, 118529.	3.1	8
2	A new auspicious scaffold for small dyes and fluorophores. Dyes and Pigments, 2022, 197, 109849.	3.7	1
3	Neutron irradiated perovskite films and solar cells on PET substrates. Nano Energy, 2022, 93, 106879.	16.0	15
4	Polymorphism and solid state peculiarities in imidazo[1,5-a]pyridine core deriving compounds: An analysis of energetic and structural driving forces. Journal of Molecular Structure, 2022, 1253, 132175.	3.6	5
5	Multivariate Analysis Identifying [Cu(N^N)(P^P)]⁺ Design and Device Architecture Enables Firstâ€Class Blue and White Lightâ€Emitting Electrochemical Cells. Advanced Materials, 2022, 34, e2109228.	21.0	18
6	Designing Artificial Fluorescent Proteins: Squaraineâ€LmrR Biophosphors for High Performance Deepâ€Red Biohybrid Lightâ€Emitting Diodes. Advanced Functional Materials, 2022, 32, .	14.9	4
7	Polymethine dyes-loaded solid lipid nanoparticles (SLN) as promising photosensitizers for biomedical applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120909.	3.9	7
8	Rationalization of TS-1 synthesis through the design of experiments. Inorganic Chemistry Frontiers, 2022, 9, 3372-3383.	6.0	5
9	Imidazo[1,5-a]pyridine-Based Fluorescent Probes: A Photophysical Investigation in Liposome Models. Molecules, 2022, 27, 3856.	3.8	4
10	Functional Dyes in Polymeric 3D Printing: Applications and Perspectives. , 2021, 3, 1-17.		58
11	Interaction of squaraine dyes with proteins: Looking for more efficient fluorescent turn-on probes. Dyes and Pigments, 2021, 184, 108873.	3.7	18
12	NiO/ZrO₂ nanocomposites as photocathodes of tandem DSCs with higher photoconversion efficiency with respect to parent single-photoelectrode p-DSCs. Sustainable Energy and Fuels, 2021, 5, 4736-4748.	4.9	6
13	Influence of start-up phase of an incinerator on inorganic composition and lead isotope ratios of the atmospheric PM10. Chemosphere, 2021, 266, 129091.	8.2	4
14	Transparent and Colorless Dye-Sensitized Solar Cells Exceeding 75% Average Visible Transmittance. Jacs Au, 2021, 1, 409-426.	7.9	66
15	Xanthanâ€Based Hydrogel for Stable and Efficient Quasiâ€Solid Truly Aqueous Dyeâ€Sensitized Solar Cell with Cobalt Mediator. Solar Rrl, 2021, 5, 2000823.	5.8	65
16	Impact of P3HT Regioregularity and Molecular Weight on the Efficiency and Stability of Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 5061-5073.	6.7	29
17	Dopant-Free All-Organic Small-Molecule HTMs for Perovskite Solar Cells: Concepts and Structureâ€“Property Relationships. Energies, 2021, 14, 2279.	3.1	18
18	Poly(3,4â€ethylenedioxythiophene) in Dyeâ€Sensitized Solar Cells: Toward Solidâ€State and Platinumâ€Free Photovoltaics. Advanced Sustainable Systems, 2021, 5, 2100025.	5.3	64

#	Article	IF	Citations
19	Polymeric Dopant-Free Hole Transporting Materials for Perovskite Solar Cells: Structures and Concepts towards Better Performances. Polymers, 2021, 13, 1652.	4.5	24
20	Modified P3HT materials as hole transport layers for flexible perovskite solar cells. Journal of Power Sources, 2021, 494, 229735.	7.8	23
21	Lignin-Based Polymer Electrolyte Membranes for Sustainable Aqueous Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 8550-8560.	6.7	87
22	Solid-Phase Synthesis of Asymmetric Cyanine Dyes. Current Organic Chemistry, 2021, 25, 1739-1754.	1.6	1
23	Microwave-Assisted Synthesis, Optical and Theoretical Characterization of Novel 2-(imidazo[1,5-a]pyridine-1-yl)pyridinium Salts. Chemistry, 2021, 3, 714-727.	2.2	7
24	Xanthanâ€Based Hydrogel for Stable and Efficient Quasiâ€Solid Truly Aqueous Dyeâ€Sensitized Solar Cell with Cobalt Mediator. Solar Rrl, 2021, 5, 2170074.	5.8	16
25	Strategies to increase the quantum yield: Luminescent methoxylated imidazo[1,5-a]pyridines. Dyes and Pigments, 2021, 192, 109455.	3.7	11
26	Toward Sustainable, Colorless, and Transparent Photovoltaics: State of the Art and Perspectives for the Development of Selective Nearâ€Infrared Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2021, 11, 2101598.	19.5	73
27	Photoanodes for Aqueous Solar Cells: Exploring Additives and Formulations Starting from a Commercial TiO₂ Paste. ChemSusChem, 2020, 13, 6562-6573.	6.8	71
28	Thermosetting Polyurethane Resins as Low-Cost, Easily Scalable, and Effective Oxygen and Moisture Barriers for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 54862-54875.	8.0	30
29	Recent advances in eco-friendly and cost-effective materials towards sustainable dye-sensitized solar cells. Green Chemistry, 2020, 22, 7168-7218.	9.0	272
30	Application of Metal-Organic Frameworks and Covalent Organic Frameworks as (Photo)Active Material in Hybrid Photovoltaic Technologies. Energies, 2020, 13, 5602.	3.1	19
31	Hydrogel Electrolytes Based on Xanthan Gum: Green Route towards Stable Dye-Sensitized Solar Cells. Nanomaterials, 2020, 10, 1585.	4.1	103
32	A water-based and metal-free dye solar cell exceeding 7% efficiency using a cationic poly(3,4-ethylenedioxythiophene) derivative. Chemical Science, 2020, 11, 1485-1493.	7.4	91
33	Squaraine dyes as fluorescent turn-on sensors for the detection of porcine gastric mucin: A spectroscopic and kinetic study. Journal of Photochemistry and Photobiology B: Biology, 2020, 205, 111838.	3.8	13
34	Ultrafast spectroscopy of transparent dye-sensitized solar cells designed for the near-infrared. , 2020, , .		0
35	Halogenated imidazo[1,5-a]pyridines: chemical structure and optical properties of a promising luminescent scaffold. Dyes and Pigments, 2019, 171, 107713.	3.7	21
36	Thiolâ€“yne chemistry for 3D printing: exploiting an off-stoichiometric route for selective functionalization of 3D objects. Polymer Chemistry, 2019, 10, 5950-5958.	3.9	37

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37	Boosting the efficiency of aqueous solar cells: A photoelectrochemical estimation on the effectiveness of TiCl4 treatment. Electrochimica Acta, 2019, 302, 31-37.	5.2	81
38	Sodium Hydroxide Pretreatment as an Effective Approach to Reduce the Dye/Holes Recombination Reaction in P-Type DSCs. Frontiers in Chemistry, 2019, 7, 99.	3.6	5
39	Synthesis and Crystal Structure of Bis(2-phenylpyridine-C,Nâ€™)-bis(acetonitrile)iridium(III)hexafluorophosphate Showing Three Anion/Cation Couples in the Asymmetric Unit. Crystals, 2019, 9, 617.	2.2	2
40	Squaraine Dyes: Interaction with Bovine Serum Albumin to Investigate Supramolecular Adducts with Aggregationâ€Induced Emission (AIE) Properties. Chemistry - an Asian Journal, 2019, 14, 896-903.	3.3	27
41	Disclosing the Properties of a New Ce(III)-Based MOF: Ce₂(NDC)₃(DMF)₂. Crystal Growth and Design, 2019, 19, 787-796.	3.0	25
42	Excited state photophysics of squaraine dyes for photovoltaic applications: an alternative deactivation scenario. Journal of Materials Chemistry C, 2018, 6, 2778-2785.	5.5	25
43	Finely tuning electrolytes and photoanodes in aqueous solar cells by experimental design. Solar Energy, 2018, 163, 251-255.	6.1	90
44	Effect of Sodium Hydroxide Pretreatment of NiO_x Cathodes on the Performance of Squaraineâ€Sensitized pâ€Type Dyeâ€Sensitized Solar Cells. ChemistrySelect, 2018, 3, 1066-1075.	1.5	10
45	Contextualizing yellow light-emitting electrochemical cells based on a blue-emitting imidazo-pyridine emitter. Polyhedron, 2018, 140, 129-137.	2.2	39
46	Off-line and real-time monitoring of acetaminophen photodegradation by an electrochemical sensor. Chemosphere, 2018, 204, 556-562.	8.2	4
47	Mesoporous silica nanoparticles incorporating squaraine-based photosensitizers: a combined experimental and computational approach. Dalton Transactions, 2018, 47, 3038-3046.	3.3	24
48	Effect of Sensitization on the Electrochemical Properties of Nanostructured NiO. Coatings, 2018, 8, 232.	2.6	7
49	Effects of Reabsorption due to Surface Concentration in Highly Resonant Photonic Crystal Fluorescence Biosensors. Journal of Physical Chemistry C, 2018, 122, 26281-26287.	3.1	9
50	Novel Ligand and Device Designs for Stable Light-Emitting Electrochemical Cells Based on Heteroleptic Copper(I) Complexes. Inorganic Chemistry, 2018, 57, 10469-10479.	4.0	59
51	Application of an electro-activated glassy-carbon electrode to the determination of acetaminophen (paracetamol) in surface waters. Electrochimica Acta, 2018, 284, 279-286.	5.2	14
52	New substituted imidazo[1,5-a]pyridine and imidazo[5,1-a]isoquinoline derivatives and their application in fluorescence cell imaging. Dyes and Pigments, 2018, 157, 298-304.	3.7	31
53	Local Proton Source in Electrocatalytic CO₂ Reduction with [Mn(bpyâ€“R)(CO)₃Br] Complexes. Chemistry - A European Journal, 2017, 23, 4782-4793.	3.3	123
54	Drug release kinetics from biodegradable UV-transparent hollow calcium-phosphate glass fibers. Materials Letters, 2017, 191, 116-118.	2.6	13

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55	Spectroscopic investigation of squaraine dyes. Proceedings of SPIE, 2017, , .	0.8	4
56	Facile synthesis of novel blue light and large Stoke shift emitting tetradentate polyazines based on imidazo[1,5- a]pyridine â€“ Part 2. Dyes and Pigments, 2017, 143, 284-290.	3.7	30
57	Frontispiece: Local Proton Source in Electrocatalytic CO₂ Reduction with [Mn(bpyâ€“R)(CO)₃Br] Complexes. Chemistry - A European Journal, 2017, 23, .	3.3	0
58	Effect of Alkyl Chain Length on the Sensitizing Action of Substituted Nonâ€Symmetric Squaraines for pâ€Type Dyeâ€Sensitized Solar Cells. ChemElectroChem, 2017, 4, 2385-2397.	3.4	17
59	Designing Squaraines to Control Charge Injection and Recombination Processes in NiOâ€based Dyeâ€Sensitized Solar Cells. ChemSusChem, 2017, 10, 2385-2393.	6.8	20
60	Approaching truly sustainable solar cells by the use of water and cellulose derivatives. Green Chemistry, 2017, 19, 1043-1051.	9.0	98
61	Electrolyte containing lithium cation in squaraine-sensitized solar cells: interactions and consequences for performance and charge transfer dynamics. Physical Chemistry Chemical Physics, 2017, 19, 27670-27681.	2.8	11
62	Near-infrared emitting single squaraine dye aggregates with large Stokes shifts. Journal of Materials Chemistry C, 2017, 5, 7732-7738.	5.5	32
63	Hollow resorbable fiber for combined light and drug delivery: fiber development and analysis of release kinetics. , 2017, , .		0
64	Influence of the Conditions of Sensitization on the Characteristics ofp-DSCs Sensitized with Asymmetric Squaraines. Journal of the Electrochemical Society, 2017, 164, H1099-H1111.	2.9	6
65	A new ruthenium black dye design with improved optical properties for transparent dye sensitized solar devices. Dalton Transactions, 2017, 46, 16390-16393.	3.3	9
66	Water based surfactant-assisted synthesis of thienylpyridines and thienylbipyridine intermediates. Dyes and Pigments, 2017, 137, 468-479.	3.7	4
67	Photoanode/Electrolyte Interface Stability in Aqueous Dyeâ€Sensitized Solar Cells. Energy Technology, 2017, 5, 300-311.	3.8	68
68	One pot synthesis of low cost emitters with large Stokes' shift. Dyes and Pigments, 2017, 137, 152-164.	3.7	50
69	ZnO Nanowire Application in Chemoresistive Sensing: A Review. Nanomaterials, 2017, 7, 381.	4.1	60
70	Dicyanovinyl and Cyano-Ester Benzoindolenine Squaraine Dyes: The Effect of the Central Functionalization on Dye-Sensitized Solar Cell Performance. Energies, 2016, 9, 486.	3.1	25
71	Terpyridine and Quaterpyridine Complexes as Sensitizers for Photovoltaic Applications. Materials, 2016, 9, 137.	2.9	50
72	Beneficial Effect of Electron-Withdrawing Groups on the Sensitizing Action of Squaraines for p-Type Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2016, 120, 16340-16353.	3.1	48

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73	Highâ€Throughput Preparation of New Photoactive Nanocomposites. ChemSusChem, 2016, 9, 1279-1289.	6.8	18
74	Polymethine Dyes in Hybrid Photovoltaics: Structureâ€“Properties Relationships. European Journal of Organic Chemistry, 2016, 2016, 2244-2259.	2.4	84
75	Electrocatalysis in the oxidation of acetaminophen with an electrochemically activated glassy carbon electrode. Electrochimica Acta, 2016, 192, 139-147.	5.2	20
76	Unveiling iodine-based electrolytes chemistry in aqueous dye-sensitized solar cells. Chemical Science, 2016, 7, 4880-4890.	7.4	90
77	Origin of a counterintuitive yellow light-emitting electrochemical cell based on a blue-emitting heteroleptic copper(<scp>i</scp>) complex. Dalton Transactions, 2016, 45, 8984-8993.	3.3	93
78	A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO₂. Physical Chemistry Chemical Physics, 2016, 18, 22617-22627.	2.8	7
79	Synthesis, characterization and crystal structure of 6-Chloro-4,4â€²-dimethyl-2,2â€²-bipyridine and 4,4â€²-Dimethyl 2,2â€²-bipyridine N-Oxide. Journal of Molecular Structure, 2016, 1107, 337-343.	3.6	2
80	Controlled Atmosphere in Food Packaging Using Ethyleneâ^'Î±-Cyclodextrin Inclusion Complexes Dispersed in Photocured Acrylic Films. Industrial & Engineering Chemistry Research, 2016, 55, 579-585.	3.7	19
81	Facile synthesis of novel blue light and large Stoke shift emitting tetradentate polyazines based on imidazo[1,5-a]pyridine. Dyes and Pigments, 2016, 128, 96-100.	3.7	37
82	Squaraines bearing halogenated moieties as anticancer photosensitizers: Synthesis, characterization and biological evaluation. European Journal of Medicinal Chemistry, 2016, 113, 187-197.	5.5	50
83	Spectroscopic Study on the Surface Properties and Catalytic Performances of Palladium Nanoparticles in Poly(ionic liquid)s. Journal of Physical Chemistry C, 2016, 120, 1683-1692.	3.1	21
84	Polymeric Supports for Controlled Release of Ethylene for Food Industry. International Polymer Processing, 2016, 31, 570-576.	0.5	7
85	Synthesis, Physicochemical Characterization, and Interaction with DNA of Longâ€Alkylâ€Chain Gemini Pyridinium Surfactants. ChemPlusChem, 2015, 80, 952-962.	2.8	12
86	Design of high surface area poly(ionic liquid)s to convert carbon dioxide into ethylene carbonate. Journal of Materials Chemistry A, 2015, 3, 8508-8518.	10.3	58
87	Charge-transfer complexes of 2,3-dichloro-5,6-dicyano-1,4-benzoquinone with amino molecules in polar solvents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 75-82.	3.9	15
88	Microwave-Assisted Synthesis of Near-Infrared Fluorescent Indole-Based Squaraines. Organic Letters, 2015, 17, 3306-3309.	4.6	62
89	Aqueous dye-sensitized solar cells. Chemical Society Reviews, 2015, 44, 3431-3473.	38.1	389
90	Photoelectrochemical characterization of squaraine-sensitized nickel oxide cathodes deposited via screen-printing for p -type dye-sensitized solar cells. Applied Surface Science, 2015, 356, 911-920.	6.1	44

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91	Electrodeposited ZnO with squaraine sentisizers as photoactive anode of DSCs. Materials Research Express, 2014, 1, 015040.	1.6	44
92	Combining label-free and fluorescence operation of Bloch surface wave optical sensors. Optics Letters, 2014, 39, 2947.	3.3	63
93	Theoretical and experimental determination of the absorption and emission spectra of a prototypical indolenine-based squaraine dye. Physical Chemistry Chemical Physics, 2014, 16, 2390-2398.	2.8	28
94	Rationalization of Dye Uptake on Titania Slides for Dyeâ€Sensitized Solar Cells by a Combined Chemometric and Structural Approach. ChemSusChem, 2014, 7, 3039-3052.	6.8	19
95	Panchromatic symmetrical squaraines: a step forward in the molecular engineering of low cost blue-greenish sensitizers for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2014, 16, 24173-24177.	2.8	41
96	Near-infrared absorbing squaraine dye with extended Ï€ conjugation for dye-sensitized solar cells. Renewable Energy, 2013, 60, 672-678.	8.9	34
97	A Simple Synthetic Route to Obtain Pure Transâ€Ruthenium(II) Complexes for Dyeâ€Sensitized Solar Cell Applications. ChemSusChem, 2013, 6, 2170-2180.	6.8	27
98	A UV-crosslinked polymer electrolyte membrane for quasi-solid dye-sensitized solar cells with excellent efficiency and durability. Physical Chemistry Chemical Physics, 2013, 15, 3706.	2.8	82
99	Combined experimental and theoretical investigation of the hemi-squaraine/TiO2 interface for dye sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 7198.	2.8	31
100	Blocking layer optimisation of poly(3-hexylthiopene) based Solid State Dye Sensitized Solar Cells. Organic Electronics, 2013, 14, 1882-1890.	2.6	38
101	Near-infrared Sensitization in Dye-sensitized Solar Cells. Chimia, 2013, 67, 129-135.	0.6	35
102	New insight into the regeneration kinetics of organic dye sensitised solar cells. Chemical Communications, 2012, 48, 2406.	4.1	32
103	Symmetric vs. asymmetric squaraines as photosensitisers in mesoscopic injection solar cells: a structureâ€“property relationship study. Chemical Communications, 2012, 48, 2782.	4.1	79
104	Enhancing the efficiency of a dye sensitized solar cell due to the energy transfer between CdSe quantum dots and a designed squaraine dye. RSC Advances, 2012, 2, 2748.	3.6	56
105	Synthesis, optical characterization and crystal and molecular X-ray structure of a phenylazojulolidine derivative. Dyes and Pigments, 2012, 92, 1177-1183.	3.7	6
106	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
107	Design and Development of Novel Linker for PbS Quantum Dots/TiO₂ Mesoscopic Solar cell. ACS Applied Materials & Interfaces, 2011, 3, 3264-3267.	8.0	28
108	Synthesis and Characterization of Highly Fluorinated Gemini Pyridinium Surfactants. European Journal of Organic Chemistry, 2009, 2009, 3167-3177.	2.4	30

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109	Determination of banned Sudan dyes in food samples by molecularly imprinted solid phase extractionâ€high performance liquid chromatography. Journal of Separation Science, 2009, 32, 3292-3300.	2.5	67
110	Fluorescence anisotropy analysis of proteinâ€“antibody interaction. Dyes and Pigments, 2009, 83, 225-229.	3.7	18
111	Synthesis and properties of cationic surfactants with tuned hydrophylicity. Journal of Colloid and Interface Science, 2009, 340, 269-275.	9.4	40
112	A study of the interaction between fluorescein sodium salt and bovine serum albumin by steady-state fluorescence. Dyes and Pigments, 2009, 80, 307-313.	3.7	132
113	Characterization of monomeric and gemini cationic amphiphilic molecules by fluorescence intensity and anisotropy. Dyes and Pigments, 2009, 82, 124-129.	3.7	36
114	The design, synthesis and characterization of a novel acceptor for real time polymerase chain reaction using both computational and experimental approaches. Dyes and Pigments, 2009, 83, 111-120.	3.7	11
115	Characterization of monomeric and gemini cationic amphiphilic molecules by fluorescence intensity and anisotropy. Part 2. Dyes and Pigments, 2009, 83, 396-402.	3.7	25
116	Spectroscopic investigation of the encapsulation and the reactivity towards NO of a Co(ii)-porphyrin inside a cross-linked polymeric matrix. Physical Chemistry Chemical Physics, 2009, 11, 4060.	2.8	1
117	A mass spectrometric analysis of sensitizer solution used for dye-sensitized solar cell. Inorganica Chimica Acta, 2008, 361, 798-805.	2.4	78
118	Sublimation Not an Innocent Technique: A Case of Bis-Cyclometalated Iridium Emitter for OLED. Inorganic Chemistry, 2008, 47, 6575-6577.	4.0	78
119	Electron-rich heteroaromatic conjugated bipyridine based ruthenium sensitizer for efficient dye-sensitized solar cells. Chemical Communications, 2008, , 5318.	4.1	107
120	Ruthenium sensitizers based on heteroaromatic conjugated bypiridines for dye-sensitized solar cells. Proceedings of SPIE, 2008, , .	0.8	0
121	Tethering of Modified Reichardt's Dye on SBA-15 Mesoporous Silica:Â The Effect of the Linker Flexibility. Langmuir, 2007, 23, 2261-2268.	3.5	25
122	Preparation and application of a Î²-cyclodextrin-disperse/reactive dye complex. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 463-470.	1.6	26
123	Synthesis, Characterization, and DFT-TDDFT Computational Study of a Ruthenium Complex Containing a Functionalized Tetradentate Ligand. Inorganic Chemistry, 2006, 45, 4642-4653.	4.0	167
124	Effects of additives on the dyeing of polyamide fibres. Part II: Methyl-Î²-cyclodextrin. Dyes and Pigments, 2006, 69, 7-12.	3.7	17
125	Novel Heptamethine Cyanine Dyes with Large Stokesâ€™ Shift for Biological Applications in the Near Infrared. Journal of Fluorescence, 2006, 16, 221-225.	2.5	31
126	Solvent effect on indocyanine dyes: A computational approach. Chemical Physics, 2006, 330, 52-59.	1.9	52

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127	One-pot synthesis and characterization of HMS silica carrying Disperse-Red-1 (DR1) covalently bonded to the inner surface. Comptes Rendus Chimie, 2005, 8, 655-661.	0.5	7
128	Synthesis and Properties of New Glucocationic Surfactants:Â Model Structures for Marking Cationic Surfactants with Carbohydrates. Journal of Organic Chemistry, 2005, 70, 9857-9866.	3.2	53
129	Matching molecular and optical multipoles in photoisomerizable nonlinear systems. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1276.	2.1	12
130	Accessibility of dye molecules embedded in surfactant-silica hybrid materials in both powder and film forms. Sensors and Actuators B: Chemical, 2004, 100, 107-111.	7.8	10
131	Stepwise assembly of amphiphilic ruthenium sensitizers and their applications in dye-sensitized solar cell. Coordination Chemistry Reviews, 2004, 248, 1317-1328.	18.8	241
132	Accessibility to gases of dye molecules in hybrid surfactant-silica mesophases. Studies in Surface Science and Catalysis, 2004, 154, 3010-3016.	1.5	0
133	2â€(4â€methylpyridinâ€2â€yl)â€1Hâ€benzimidazole derivatives. Part I. Xâ€Ray structural analysis. Journal of Heterocyclic Chemistry, 2003, 40, 129-133.	2.6	6
134	2â€(4â€methylpyridinâ€2â€yl)â€1Hâ€benzimidazole derivatives. Part II, ¹H nmr characterization. Journal of Heterocyclic Chemistry, 2003, 40, 649-654.	2.6	5
135	Structural characterisation of Nitrazine Yellow by NMR spectroscopy. Dyes and Pigments, 2003, 57, 87-95.	3.7	8
136	Gemini Pyridinium Surfactants:Â Synthesis and Conductometric Study of a Novel Class of Amphiphiles1. Journal of Organic Chemistry, 2003, 68, 7651-7660.	3.2	109
137	Covalent bonding of Disperse Red 1 in HMS silica: synthesis and characterization.. Studies in Surface Science and Catalysis, 2003, , 375-378.	1.5	1
138	Design, Synthesis, and Application of Amphiphilic Ruthenium Polypyridyl Photosensitizers in Solar Cells Based on Nanocrystalline TiO2Films. Langmuir, 2002, 18, 952-954.	3.5	238
139	Chemichromic azodye from 2,4-dinitrobenzenediazonium o-benzenedisulfonimide and Î³-acid for monitoring blood parameters: structural study and synthesis optimisation. Dyes and Pigments, 2002, 54, 131-140.	3.7	8
140	Novel azobenzene derivatives containing a glucopyranoside moiety. Part I: synthesis, characterisation and mutagenic properties. Dyes and Pigments, 2000, 46, 29-36.	3.7	6
141	Properties of novel azodyes containing powerful acceptor groups and thiophene moiety. Synthetic Metals, 2000, 115, 213-217.	3.9	64
142	Synthesis and Surface and Antimicrobial Properties of Novel Cationic Surfactants. Journal of Organic Chemistry, 2000, 65, 8197-8203.	3.2	105
143	Polyurethanes as low cost and efficient encapsulants for Perovskite Solar Cells. , 0, , .		0
144	Emerging Photovoltaic Technologies and Eco-Designâ€”Criticisms and Potential Improvements. , 0, , .		5

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145	Near Infra-Red Dyes in Dye-Sensitized Solar Cells: from Panchromatic Absorption to Completely Transparent DSSCs. , 0, , .		0
146	Effect of the Sintering Procedure on the Photoelectrochemical Performances of Nanostructured Mixed Oxides as Photocathodes of p and Tandem Dye-Sensitized Solar Cells with Superior Conversion Properties. , 0, , .		0
147	Perovskite films and solar cells on PET substrates for space applications: stability study under neutron irradiation. , 0, , .		0
148	Toward non-intrusive BIPV: strategies for NIR-selective DSSCs. , 0, , .		0
149	Effect of Out-of-Plane Alkyl Chains in Dye-Sensitized Solar Cell Efficiency: a Structure-Property Relationship in Novel Perimidine-Based Squaraine Dyes. , 0, , .		0
150	Insights on component optimization to reach color neutral and highly transparent near-infrared dye sensitized solar cells. , 0, , .		0