

# Stephanie Delbaere

## List of Publications by Year in descending order

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106  
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236925

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37  
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110  
all docs

110  
docs citations

110  
times ranked

1640  
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular loaded dice: When the $\pi$ conjugation breaks the statistical addressability of an octastate multimodal molecular switch. <i>Dyes and Pigments</i> , 2022, 202, 110270.	3.7	3
2	Reactant-induced photoactivation of in situ generated organogold intermediates leading to alkynylated indoles via Csp <sup>2</sup> -Csp cross-coupling. <i>Nature Communications</i> , 2022, 13, 2295.	12.8	12
3	Synthesis of Vinylnaphthofurans and NMR Analysis of their Photoswitching. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1979-1988.	2.4	3
4	Cyclization Dynamics and Competitive Processes of Photochromic Perfluorocyclopentene Dithienylethylene in Solution. <i>ChemPhysChem</i> , 2020, 21, 2223-2229.	2.1	4
5	Synthesis and switching properties of new derivatives of azoresveratrol. <i>Dyes and Pigments</i> , 2019, 171, 107666.	3.7	2
6	When Light and Acid Play Tic-Tac-Toe with a Nine-State Molecular Switch. <i>Journal of the American Chemical Society</i> , 2019, 141, 19151-19160.	13.7	16
7	Enhancement of the color intensity of photochromic fused-naphthopyrans. <i>Dyes and Pigments</i> , 2019, 169, 118-124.	3.7	22
8	BT-2-BOX: An Assembly toward Multimodal and Multilevel Molecular System Simple as a Breeze. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11823-11832.	3.1	7
9	Unraveling ultrafast dynamics of the photoswitchable bridged dithienylethenes under structural constraints. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6407-6414.	2.8	7
10	Excited-State Dynamics of Dithienylethenes Functionalized for Self-Supramolecular Assembly. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3572-3582.	2.5	10
11	Assessing the Structure of Octastate Molecular Switches Using <sup>1</sup> H NMR Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1800-1808.	3.1	3
12	Indolino-Oxazolidine Acido- and Photochromic System Investigated by NMR and Density Functional Theory Calculations. <i>Journal of Organic Chemistry</i> , 2018, 83, 10409-10419.	3.2	16
13	Synthesis of Polycyclic Spironaphthofuran Derivatives by Acid-Catalyzed Domino Reaction of 2-Naphthols with Tetraarylbut-1,4-diols. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3291-3297.	2.4	3
14	Regio- and stereoselective [2+2] photocycloaddition in Ba <sup>2+</sup> templated supramolecular dimers of styryl-derivatized aza-heterocycles. <i>Dyes and Pigments</i> , 2017, 139, 397-402.	3.7	9
15	Light-Controlled Release and Uptake of Zinc Ions in Solution by a Photochromic Terthiazole-Based Ligand. <i>Chemistry - an Asian Journal</i> , 2017, 12, 853-859.	3.3	5
16	Control of the Switching Speed of Photochromic Naphthopyrans through Restriction of Double Bond Isomerization. <i>Journal of Organic Chemistry</i> , 2017, 82, 12028-12037.	3.2	23
17	13 metastable states arising from a simple multifunctional unimolecular system. <i>Dyes and Pigments</i> , 2017, 137, 490-498.	3.7	5
18	A closer look at the photochromism of vinylidene-naphthofurans. <i>Dyes and Pigments</i> , 2017, 137, 593-600.	3.7	20

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19	NMR Spectroscopy to Investigate Switching Reactions. , 2017, , 301-319.		1
20	One-Pot Synthesis of (+)-Nootkatone via Dark Singlet Oxygenation of Valencene: The Triple Role of the Amphiphilic Molybdate Catalyst. <i>Catalysts</i> , 2016, 6, 184.	3.5	9
21	Dithienylethene-Based Gated Ambichromic Dyads. <i>Advanced Optical Materials</i> , 2016, 4, 1358-1362.	7.3	8
22	New insights into the photoswitching mechanisms of normal dithienylethenes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28091-28100.	2.8	22
23	Dual Photochemical Bond Cleavage for a Diarylethene-Based Phototrigger Containing both Methanolic and Acetic Sources. <i>Journal of Organic Chemistry</i> , 2016, 81, 11282-11290.	3.2	25
24	Synthesis and photochromic properties of a bis(diarylethene)-naphthopyran hybrid. <i>Dyes and Pigments</i> , 2015, 115, 102-109.	3.7	9
25	Isomeric naphthalimides bearing pyran units: Insight into mutual relation between structure and photochromic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 303-304, 28-35.	3.9	12
26	Fast Color Change with Photochromic Fused Naphthopyrans. <i>Journal of Organic Chemistry</i> , 2015, 80, 12177-12181.	3.2	48
27	Solubility control of organic acid-base salts by photochromism. <i>Dyes and Pigments</i> , 2015, 114, 1-7.	3.7	5
28	Acid-Catalyzed Domino Reactions of Tetraarylbut-2-yne-1,4-diols. Synthesis of Conjugated Indenes and Inden-2-ones. <i>Journal of Organic Chemistry</i> , 2014, 79, 5781-5786.	3.2	14
29	A Multifunctional Photoswitch: 6 $\pi$ Electrocyclization versus ESIPT and Metalation. <i>Chemistry - A European Journal</i> , 2014, 20, 12279-12288.	3.3	9
30	A Simple Molecule-Based Octastate Switch. <i>Journal of the American Chemical Society</i> , 2014, 136, 13510-13513.	13.7	75
31	Metal-ion induced FRET in macrocyclic dynamic tweezers. <i>Tetrahedron</i> , 2013, 69, 8178-8185.	1.9	3
32	NMR analysis of photochromism of bisthiazolyindenols. <i>Tetrahedron Letters</i> , 2013, 54, 6366-6369.	1.4	7
33	Photochemical formation of thiirene and thioketene in 1,2,3-thiadiazoles with phenyl substituents studied by time-resolved spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 895-901.	2.9	13
34	Do inverse dithienylethenes behave as normal ones? A joint spectroscopic and theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6226.	2.8	31
35	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 263-273.	4.7	26
36	Synthesis of 1-Vinylidene-naphthofurans: A Thermally Reversible Photochromic System That Colors Only When Adsorbed on Silica Gel. <i>Journal of Organic Chemistry</i> , 2013, 78, 6956-6961.	3.2	18

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37	Insights into the recombination of radical pairs in hexaarylbiimidazoles. <i>Chemical Communications</i> , 2013, 49, 5841.	4.1	15
38	Bichromophoric dye derived from benzo[1,3]oxazine system. <i>Dyes and Pigments</i> , 2013, 96, 569-573.	3.7	18
39	Spectral, Conformational and Photochemical Analyses of Photochromic Dithienylethene: <i>cis</i> -1,2-Dicyano-1,2-bis(2,4,5-trimethylthienyl)ethene Revisited. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7809-7814.		14
40	Bisarylindenols: fixation of conformation leads to exceptional properties of photochromism based on 6 $\pi$ -electrocyclization. <i>Chemical Communications</i> , 2012, 48, 11838.	4.1	47
41	Photochromic C2-Symmetric Chiral Diarylethene: From the Initial State to the Final State. <i>Journal of Organic Chemistry</i> , 2012, 77, 1853-1859.	3.2	26
42	Photochromic Fused-Naphthopyrans without Residual Color. <i>Journal of Organic Chemistry</i> , 2012, 77, 3959-3968.	3.2	47
43	Synthesis, metal ion binding, and photochromic properties of benzo- and naphthopyrans annelated by crown ether moieties. <i>Tetrahedron</i> , 2012, 68, 7873-7883.	1.9	5
44	The Control of Photochromism of [3 <i>H</i> ]-Naphthopyran Derivatives with Intramolecular CH $\cdots$ N Bonds. <i>Organic Letters</i> , 2012, 14, 4150-4153.	4.6	30
45	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. <i>Polymer Degradation and Stability</i> , 2012, 97, 1956-1963.	5.8	22
46	One pot synthesis of aryl substituted aurones. <i>Dyes and Pigments</i> , 2012, 92, 537-541.	3.7	18
47	Mono- and ditopic models of binding of a photochromic chromene annelated with an 18-crown-6ether with protonated amino acids. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 671-682.	2.8	8
48	Synthesis of a Photochromic Fused 2 <i>H</i> -Chromene Capable of Generating a Single Coloured Species. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1768-1773.	2.4	15
49	Gated Photochromism and Acidity Photomodulation of a Diacid Dithienylethene Dye. <i>Chemistry - A European Journal</i> , 2012, 18, 6568-6575.	3.3	49
50	Early Events in the Photochemistry of 1,2,3-Thiadiazole Studied by Ultrafast Time-Resolved UV-Vis and IR Spectroscopies. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14300-14305.	2.5	19
51	The excited state dipole moments of betaine pyridinium investigated by an innovative solvatochromic analysis and TDDFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13185.	2.8	27
52	Preventing the Formation of the Long-Lived Colored Transoid-Trans Photoisomer in Photochromic Benzopyrans. <i>Organic Letters</i> , 2011, 13, 4040-4043.	4.6	35
53	Quantitative analysis of the dynamic behaviour of photochromic systems. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2011, 12, 74-105.	11.6	34
54	Photochromism and Metal Complexation of a Macrocyclic Styryl Naphthopyran. <i>ChemPhysChem</i> , 2011, 12, 1294-1301.	2.1	6

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55	Effects of a Self-Assembled Molecular Capsule on the Ultrafast Photodynamics of a Photochromic Salicylideneaniline Guest. <i>ChemPhysChem</i> , 2011, 12, 1669-1672.	2.1	36
56	Multimodal Metal Cation Sensing with Bis(macrocyclic) Dye. <i>Chemistry - A European Journal</i> , 2011, 17, 10752-10762.	3.3	24
57	Kinetic modelling of the photochromism and metal complexation of a spiropyran dye: Application to the Co(II) $\leftrightarrow$ Spiroindoline-diphenyloxazolebenzopyran system. <i>Dyes and Pigments</i> , 2011, 89, 324-329.	3.7	17
58	Quantitative investigations of cation complexation of photochromic 8-benzothiazole-substituted benzopyran: towards metal-ion sensors. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 199-207.	2.9	56
59	Synthesis and photochromism of a series of new 2-unsubstituted 3-(2-benzylbenzoyl)quinolin-4(1H)-ones. <i>Tetrahedron</i> , 2010, 66, 8291-8299.	1.9	8
60	Metal Ions Drive Thermodynamics and Photochemistry of the Bis(styryl) Macrocyclic Tweezer. <i>Chemistry - A European Journal</i> , 2010, 16, 5661-5671.	3.3	12
61	Structural and photochemical aspect of metal-ion-binding to a photochromic chromene annulated by crown-ether moiety. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 209, 111-120.	3.9	27
62	Synthesis and photochemical reactivity of new 4-substituted naphtho[1,2-b]pyran derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 73-78.	3.9	5
63	Unexpected formation of new photochromic compounds derived from 3,3-diphenyl-3H-naphtho[2,1-b]pyran-1-one. <i>Tetrahedron</i> , 2010, 66, 8317-8324.	1.9	3
64	Bridging the Visible: The Modulation of the Absorption by More than 450 nm. <i>Organic Letters</i> , 2010, 12, 4090-4093.	4.6	32
65	Photochromic performance of a dithienylethene-indolinoxazolidine hybrid. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 131.	2.9	44
66	Thermally reversible photochromic behaviour of new naphthopyrans involving an intramolecular [2+2] cyclization reaction. <i>Tetrahedron</i> , 2009, 65, 5369-5376.	1.9	10
67	NMR investigation of the dyes formed under UV irradiation of some photochromic indeno-fused naphthopyrans. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 208, 180-185.	3.9	13
68	Remarkable thermally stable open forms of photochromic new N-substituted benzopyranocarbazoles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 242-249.	3.9	19
69	Photogeneration of an ADADA H-bonding cleft based on a naphthopyran-decorated triazine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 68-73.	3.9	3
70	NMR spectroscopy applied to photochromism investigations. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2008, 9, 61-80.	11.6	47
71	Wavelength-Dependent Reactivity of a Quinolinone: Toward a Photochromic Three-State System. <i>Organic Letters</i> , 2008, 10, 3773-3776.	4.6	5
72	First synthesis of nitro-substituted 2,2-diphenyl-2H-1-benzopyrans via the ipso-nitration reaction. <i>Tetrahedron</i> , 2007, 63, 8242-8249.	1.9	12

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73	Photoreversible cyclisation of a 3-(2-benzylbenzoyl)-quinolinone: A highly efficient photochromic compound. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 269-274.	3.9	6
74	Spectral and kinetic properties of a red-to-blue pH-sensitive photochromic spirooxazine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 191, 114-121.	3.9	35
75	Mechanistic understanding of the photochromism of a hybrid dithienylethene-to-naphthopyran system by NMR spectroscopy. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 929-935.	1.9	17
76	Combined NMR, SERRS, and DFT study of photochemical and thermal reactions of acetylene- and thienylacetylene-substituted chromenes. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 944-952.	1.9	6
77	5-Nitrogenated-naphthopyrans: toward photoinduced hydrogen-bonded complexes. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 872-877.	1.9	3
78	Controlled Conversion of Isomers in a Hybrid Biphotochromic System. <i>Organic Letters</i> , 2006, 8, 4931-4934.	4.6	26
79	Photochromism of indolino-benzopyrans studied by NMR and UV-visible spectroscopy. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-7.	2.5	4
80	Photochromism of 8-thienyl-naphthopyrans investigated by NMR spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 174-179.	3.9	21
81	NMR and kinetic investigations of the multistep photochromism of 3-thienyl-naphthopyrans. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 183, 70-78.	3.9	5
82	NMR kinetic analysis of photochromic quinolone photoproducts. <i>Tetrahedron Letters</i> , 2006, 47, 2485-2488.	1.4	5
83	Unprecedented coexistence of a spirooxazine and its four transoid photomerocyanines. <i>Tetrahedron Letters</i> , 2006, 47, 4903-4905.	1.4	23
84	Photoswitch based on remarkably simple naphthopyrans. <i>Tetrahedron Letters</i> , 2005, 46, 3257-3259.	1.4	38
85	NMR structural elucidation of photochromic quinolone photoproducts. <i>Tetrahedron Letters</i> , 2005, 46, 6319-6324.	1.4	7
86	Synthesis and Photochromic Behavior of Fluoro 2H-1-Benzopyrans Containing a Carbazole Moiety. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 473-485.	0.9	4
87	SERS Study of 3,3-Diphenyl-naphtho[2,1-b]pyran: Another Evidence for Allenyl-Naphthol Involvement in the Photochromic Mechanism. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 235-241.	0.9	7
88	Unexpected Halogen Substituent Effects on the Complex Thermal Relaxation of Naphthopyrans after UV Irradiation. <i>Journal of Organic Chemistry</i> , 2005, 70, 5302-5304.	3.2	16
89	Contribution of NMR spectroscopy to the mechanistic understanding of photochromism. <i>International Journal of Photoenergy</i> , 2004, 6, 151-158.	2.5	10
90	NMR studies of the polyphotochromic behaviour of biphotochromic compounds. <i>International Journal of Photoenergy</i> , 2004, 6, 215-220.	2.5	5

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91	5-Ureido-3,3-diphenyl-3H-naphtho[2,1-b]pyrans: Photoswitchable self-assembling architectures. <i>International Journal of Photoenergy</i> , 2004, 6, 169-173.	2.5	4
92	Multistep Thermal Relaxation of Photoisomers in Polyphotochromic Molecules. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10934-10940.	2.5	22
93	Effect of oligothiophene substituents on the photophysical and photochromic properties of a naphthopyran. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 878.	2.9	37
94	NMR proofs of the involvement of an allenyl-naphthol as a key-intermediate in the photochromic process of [3H]-naphthopyrans. <i>Tetrahedron Letters</i> , 2003, 44, 259-262.	1.4	22
95	NMR characterization of allenyl-naphthol in the photochromic process of 3,3-diphenyl-[3H]-naphtho[2-1,b]pyran. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 159, 227-232.	3.9	29
96	NMR Kinetic Investigations of the Photochemical and Thermal Reactions of a Photochromic Chromene. <i>Journal of Organic Chemistry</i> , 2003, 68, 8968-8973.	3.2	86
97	NMR characterisation of photo-electrocyclised structures of a spirooxazine derivative. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 978.	2.9	6
98	Studies of polyphotochromic behaviour of supermolecules by NMR spectroscopy. Part 1. A bis-spirooxazine with a (Z)-ethenic bridge between each moiety. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 333-339.	2.9	21
99	Multinuclear NMR Structural Characterization of an Unprecedented Photochromic Allene Intermediate. <i>Organic Letters</i> , 2002, 4, 3143-3145.	4.6	23
100	Studies of polyphotochromic behaviour of supermolecules by NMR spectroscopy. Part 2. A bis-[3H]naphthopyran with a (Z)-ethenic bridge between each moiety Part 1 is indicated in ref. 5.. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 665-672.	2.9	17
101	Investigations by NMR spectroscopy of a polyphotochromic system involving two entities, spirooxazine and naphthopyran, linked by a Z-ethenic bridge. <i>Perkin Transactions II RSC</i> , 2002, , 2118-2124.	1.1	11
102	NMR Structural and Kinetic Assignment of Fluoro-3H-naphthopyran Photomerocyanines. <i>Photochemistry and Photobiology</i> , 2001, 74, 694.	2.5	28
103	Complete assignment of the <sup>1</sup> H, <sup>13</sup> C and <sup>19</sup> F NMR spectra of fluoro-substituted 3H-naphthopyrans. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 159-162.	1.9	13
104	Kinetic and structural studies of the photochromic process of 3H-naphthopyrans by UV and NMR spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1153-1158.	0.9	115
105	NMR studies of the structure of the photoinduced forms of photochromic spironaphthoxazines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1499-1502.	0.9	38
106	Coordination-enhanced photochromism in dysprosium dinuclear complexes with photomodulated single-molecule magnet behavior. , 0, 4, 2.		0