

JÃ©rÃ©me Berthet

List of Publications by Year in descending order

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771
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#	ARTICLE	IF	CITATIONS
1	A Simple Molecule-Based Octastate Switch. <i>Journal of the American Chemical Society</i> , 2014, 136, 13510-13513.	6.6	75
2	Fast Color Change with Photochromic Fused Naphthopyrans. <i>Journal of Organic Chemistry</i> , 2015, 80, 12177-12181.	1.7	48
3	Photochromic Fused-Naphthopyrans without Residual Color. <i>Journal of Organic Chemistry</i> , 2012, 77, 3959-3968.	1.7	47
4	Preventing the Formation of the Long-Lived Colored Transoid-Trans Photoisomer in Photochromic Benzopyrans. <i>Organic Letters</i> , 2011, 13, 4040-4043.	2.4	35
5	The Control of Photochromism of [3H]-Naphthopyran Derivatives with Intramolecular CH ^{δ+} ⋯N ^{δ-} Bonds. <i>Organic Letters</i> , 2012, 14, 4150-4153.	2.4	30
6	Comprehensive Photokinetic and NMR Study of a Biphotochromic Supermolecule Involving Two Naphthopyrans Linked to a Central Thiophene Unit Through Acetylenic Bonds. <i>Photochemistry and Photobiology</i> , 2003, 78, 558.	1.3	27
7	Photochromic C ₂ -Symmetric Chiral Diarylethene: From the Initial State to the Final State. <i>Journal of Organic Chemistry</i> , 2012, 77, 1853-1859.	1.7	26
8	Unprecedented coexistence of a spirooxazine and its four transoid photomerocyanines. <i>Tetrahedron Letters</i> , 2006, 47, 4903-4905.	0.7	23
9	Control of the Switching Speed of Photochromic Naphthopyrans through Restriction of Double Bond Isomerization. <i>Journal of Organic Chemistry</i> , 2017, 82, 12028-12037.	1.7	23
10	Multistep Thermal Relaxation of Photoisomers in Polyphotochromic Molecules. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10934-10940.	1.1	22
11	Enhancement of the color intensity of photochromic fused-naphthopyrans. <i>Dyes and Pigments</i> , 2019, 169, 118-124.	2.0	22
12	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.	1.6	21
13	A closer look at the photochromism of vinylidene-naphthofurans. <i>Dyes and Pigments</i> , 2017, 137, 593-600.	2.0	20
14	Remarkable thermally stable open forms of photochromic new N-substituted benzopyranocarbazoles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 242-249.	2.0	19
15	One pot synthesis of aryl substituted aurones. <i>Dyes and Pigments</i> , 2012, 92, 537-541.	2.0	18
16	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.	1.7	18
17	Bichromophoric dye derived from benzo[1,3]oxazine system. <i>Dyes and Pigments</i> , 2013, 96, 569-573.	2.0	18
18	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.	1.6	17

#	ARTICLE	IF	CITATIONS
19	Indolino-Oxazolidine Acido- and Photochromic System Investigated by NMR and Density Functional Theory Calculations. <i>Journal of Organic Chemistry</i> , 2018, 83, 10409-10419.	1.7	16
20	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.	1.2	15
21	Insights into the recombination of radical pairs in hexaarylbiimidazoles. <i>Chemical Communications</i> , 2013, 49, 5841.	2.2	15
22	Spectral, Conformational and Photochemical Analyses of Photochromic Dithienylethene: <i>cis</i> -1,2-Dicyano-1,2-bis(2,4,5-trimethyl-3-thienyl)ethene Revisited. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7809-7814.	1.2	14
23	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.	1.7	14
24	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.	2.0	13
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.	2.0	12
26	Reactant-induced photoactivation of in situ generated organogold intermediates leading to alkynylated indoles via Csp ² -Csp cross-coupling. <i>Nature Communications</i> , 2022, 13, 2295.	5.8	12
27	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
28	A Multifunctional Photoswitch: π -Electrocyclization versus ESIPT and Metalation. <i>Chemistry - A European Journal</i> , 2014, 20, 12279-12288.	1.7	9
29	Synthesis and photochromic properties of a bis(diarylethene)-naphthopyran hybrid. <i>Dyes and Pigments</i> , 2015, 115, 102-109.	2.0	9
30	Synthesis and photochromism of a series of new 2-unsubstituted 3-(2-benzylbenzoyl)quinolin-4(1H)-ones. <i>Tetrahedron</i> , 2010, 66, 8291-8299.	1.0	8
31	Dithienylethene-Based Gated Ambichromic Dyads. <i>Advanced Optical Materials</i> , 2016, 4, 1358-1362.	3.6	8
32	NMR structural elucidation of photochromic quinolone photoproducts. <i>Tetrahedron Letters</i> , 2005, 46, 6319-6324.	0.7	7
33	NMR analysis of photochromism of bisthiazolyindenols. <i>Tetrahedron Letters</i> , 2013, 54, 6366-6369.	0.7	7
34	NMR characterisation of photo-electrocyclised structures of a spirooxazine derivative. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 978.	1.6	6
35	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.	2.0	6
36	NMR kinetic analysis of photochromic quinolone photoproducts. <i>Tetrahedron Letters</i> , 2006, 47, 2485-2488.	0.7	5

#	ARTICLE	IF	CITATIONS
37	Wavelength-Dependent Reactivity of a Quinolinone: Toward a Photochromic Three-State System. <i>Organic Letters</i> , 2008, 10, 3773-3776.	2.4	5
38	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.	2.0	5
39	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.	1.7	5
40	13 metastable states arising from a simple multifunctional unimolecular system. <i>Dyes and Pigments</i> , 2017, 137, 490-498.	2.0	5
41	Synthesis and Photochromic Behavior of Fluoro 2H-1-Benzopyrans Containing a Carbazole Moiety. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 473-485.	0.4	4
42	Photochromism of indolino-benzopyrans studied by NMR and UV-visible spectroscopy. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-7.	1.4	4
43	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.	1.0	3
44	Synthesis of Polycyclic Spiro-naphthofuran 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.	1.2	3
45	Synthesis of Vinyl-naphthofurans and NMR Analysis of their Photoswitching. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1979-1988.	1.2	3
46	A molecular loaded dice: When the π conjugation breaks the statistical addressability of an octastate multimodal molecular switch. <i>Dyes and Pigments</i> , 2022, 202, 110270.	2.0	3
47	Synthesis and switching properties of new derivatives of azoresveratrol. <i>Dyes and Pigments</i> , 2019, 171, 107666.	2.0	2
48	Comprehensive Photokinetic and NMR Study of a Biphotochromic Supermolecule Involving Two Naphthopyrans Linked to a Central Thiophene Unit Through Acetylenic Bonds. <i>Photochemistry and Photobiology</i> , 2003, 78, 558-566.	1.3	0