

# Michel Frigoli

## List of Publications by Year in descending order

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64  
papers

2,077  
citations

185998

28  
h-index

243296

44  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Power-Photon Up-Conversion in Dual-Dye-Loaded Polymer Nanoparticles. <i>Advanced Functional Materials</i> , 2012, 22, 139-143.	7.8	153
2	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. <i>Polymer Chemistry</i> , 2013, 4, 5440.	1.9	120
3	Design of Novel Photoinitiators for Radical and Cationic Photopolymerizations under Near UV and Visible LEDs (385, 395, and 405 nm).. <i>Macromolecules</i> , 2014, 47, 2811-2819.	2.2	98
4	Julolidine or Fluorenone Based Push-Pull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. <i>Macromolecules</i> , 2014, 47, 106-112.	2.2	91
5	A Cascade FRET-Mediated Ratiometric Sensor for Cu <sup>2+</sup> Ions Based on Dual Fluorescent Ligand-Coated Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2009, 15, 8319-8330.	1.7	76
6	Modulation of the Absorption, Fluorescence, and Liquid-Crystal Properties of Functionalised Diarylethene Derivatives. <i>Chemistry - A European Journal</i> , 2004, 10, 5243-5250.	1.7	70
7	New Chelating Stilbazonium-Like Dyes from Michler's Ketone. <i>Organic Letters</i> , 2008, 10, 321-324.	2.4	70
8	Multiple Addressing in a Hybrid Biphotochromic System. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5048-5052.	7.2	69
9	Perylene derivatives as photoinitiators in blue light sensitive cationic or radical curable films and panchromatic thiol-ene polymerizable films. <i>European Polymer Journal</i> , 2014, 53, 215-222.	2.6	62
10	Light-Driven Directed Motion of Azobenzene-Coated Polymer Nanoparticles in an Aqueous Medium. <i>Langmuir</i> , 2011, 27, 7967-7971.	1.6	61
11	Photoswitching of bis-spiropyran using near-infrared excited upconverting nanoparticles. <i>Chemical Communications</i> , 2012, 48, 7244.	2.2	55
12	Iodine sequestration by thiol-modified MIL-53(Al). <i>CrystEngComm</i> , 2016, 18, 8108-8114.	1.3	54
13	Design of Mesomorphic Diarylethene-Based Photochromes. <i>Journal of the American Chemical Society</i> , 2004, 126, 15382-15383.	6.6	50
14	Diindeno[1,2-b:2'-n]perylene: a closed shell related Chichibabin's hydrocarbon, the synthesis, molecular packing, electronic and charge transport properties. <i>Chemical Science</i> , 2015, 6, 3402-3409.	3.7	49
15	Photomodulable Materials. Synthesis and Properties of Photochromic 3H-Naphtho[2,1-b]pyrans Linked to Thiophene Units via an Acetylenic Junction. <i>Helvetica Chimica Acta</i> , 2000, 83, 3043-3052.	1.0	45
16	New hybrid MOF/polymer composites for the photodegradation of organic dyes. <i>European Polymer Journal</i> , 2021, 154, 110560.	2.6	43
17	Excellent Semiconductors Based on Tetracenotetracene and Pentacenopentacene: From Stable Closed-Shell to Singlet Open-Shell. <i>Journal of the American Chemical Society</i> , 2019, 141, 9373-9381.	6.6	40
18	Synthesis of New Thiophene-Substituted 3,3-Diphenyl-3H-naphtho[2,1-b]pyrans by Cross-Coupling Reactions, Precursors of Photomodulated Materials. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2799-2812.	1.2	38

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19	Unraveling Triplet Excitons Photophysics in Hyper-Cross-Linked Polymeric Nanoparticles: Toward the Next Generation of Solid-State Upconverting Materials. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2779-2785.	2.1	38
20	Effect of oligothiophene substituents on the photophysical and photochromic properties of a naphthopyran. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 878.	1.6	37
21	Synthesis, Structure, and Crystallization Study of a Layered Lithium Thiophene-Dicarboxylate. <i>Crystal Growth and Design</i> , 2012, 12, 1531-1537.	1.4	37
22	Electrochemical, Linear Optical, and Nonlinear Optical Properties and Interpretation by Density Functional Theory Calculations of (4- <i>N,N</i> -Dimethylaminostyryl)-Pyridinium Pendant Group Associated with Polypyridinic Ligands and Respective Multifunctional Metal Complexes (Ru <sup>II</sup> or Zn <sup>II</sup> ). <i>Inorganic Chemistry</i> , 2009, 48, 8120-8133.	1.9	36
23	Bridging the Visible: The Modulation of the Absorption by More than 450 nm. <i>Organic Letters</i> , 2010, 12, 4090-4093.	2.4	32
24	A Photochromic Liquid Crystal System. <i>ChemPhysChem</i> , 2003, 4, 101-103.	1.0	30
25	The Control of Photochromism of [3- <i>H</i> ]-Naphthopyran Derivatives with Intramolecular CH <sup>δ+</sup> ⋯N <sup>δ-</sup> Bonds. <i>Organic Letters</i> , 2012, 14, 4150-4153.	2.4	30
26	A helical naphthopyran dopant for photoresponsive cholesteric liquid crystals. <i>Chemical Communications</i> , 2017, 53, 200-203.	2.2	30
27	A lithium-organic framework with coordinatively unsaturated metal sites that reversibly binds water. <i>Chemical Communications</i> , 2012, 48, 10639.	2.2	29
28	Light-triggered molecular devices based on photochromic oligothiophene substituted chromenes. <i>Applied Physics Letters</i> , 2002, 80, 4297-4299.	1.5	28
29	Low Bandgap Bistetracene-Based Organic Semiconductors Exhibiting Air Stability, High Aromaticity and Mobility. <i>Chemistry - A European Journal</i> , 2017, 23, 5076-5080.	1.7	28
30	P <sup>+</sup> -Type Photochromism of New Helical Naphthopyrans: Synthesis and Photochemical, Photophysical and Theoretical Study. <i>ChemPhysChem</i> , 2015, 16, 2447-2458.	1.0	27
31	Continuous irradiation and flash-photolysis studies of new [3H]naphtho[2,1-b]pyrans linked by covalent bonds to oligothiophene units. Effect of thiophene substituents on the photochromism. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 888.	1.6	26
32	The enhancement of photoswitching in a diarylethene derivative by the incorporation of cyanobiphenyl groups. <i>Chemical Communications</i> , 2004, , 818.	2.2	26
33	Controlled Conversion of Isomers in a Hybrid Biphotochromic System. <i>Organic Letters</i> , 2006, 8, 4931-4934.	2.4	26
34	Synthesis, Aromaticity, and Application of <i>peri</i> -Pentacenopentacene: Localized Representation of Benzenoid Aromatic Compounds. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	26
35	Room Temperature Nematic Photoswitchable Liquid Crystals Molecular Modularisation of Functional Elements. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 636-642.	1.2	25
36	Modulating the ground state, stability and charge transport in OFETs of biradicaloid hexahydro-diindenopyrene derivatives and a proposed method to estimate the biradical character. <i>Chemical Science</i> , 2020, 11, 12194-12205.	3.7	25

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37	Tetraceno[2,1,12,11-opqra]tetracene-extended tetrathiafulvalene "redox-controlled generation of a large PAH core. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 807-811.	1.5	24
38	Molecular switch devices realised by photochromic oligothiophenes. <i>Synthetic Metals</i> , 2001, 124, 23-27.	2.1	22
39	A versatile preparation of azobenzene-dye functionalized colored polymer nanoparticles by surface modification. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3375-3386.	2.5	22
40	Spectroscopic properties of thiophene linked [2H]-chromenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 139, 1-4.	2.0	21
41	Photochromism of 8-thienyl-naphthopyrans investigated by NMR spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 174-179.	2.0	21
42	Room temperature photochromic liquid crystal [3H]-naphtho[2,1-b]pyrans" photochromism in the mesomorphic state. <i>Chemical Communications</i> , 2004, , 2040-2041.	2.2	18
43	Mechanistic understanding of the photochromism of a hybrid dithienylethene-naphthopyran system by NMR spectroscopy. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 929-935.	0.9	17
44	Unexpected Halogen Substituent Effects on the Complex Thermal Relaxation of Naphthopyrans after UV Irradiation. <i>Journal of Organic Chemistry</i> , 2005, 70, 5302-5304.	1.7	16
45	Heterobimetallic Sodium-Lithium Based Metal-Organic Framework Showing the $\hat{\Gamma}$ -Cristobalite Topology and Having High Permanent Porosity. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1138-1141.	1.0	16
46	Chiral separation of helical chromenes with chloromethyl phenylcarbamate polysaccharide-based stationary phases. <i>Journal of Separation Science</i> , 2018, 41, 1266-1273.	1.3	15
47	Novel Fluorophores based on Regioselective Intramolecular Friedel-Crafts Acylation of the Pyrene Ring Using Triflic Acid. <i>Chemistry - A European Journal</i> , 2017, 23, 16184-16188.	1.7	12
48	Synthesis and Properties of Benzo-fused Indeno[2,1-b]fluorenes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1737-1744.	1.7	12
49	Laser dye doped nanoparticles for highly photostable optical nanoamplifiers. <i>RSC Advances</i> , 2012, 2, 11731.	1.7	11
50	A novel cobalt metal-organic framework with an anionic 3D network built up from two interconnected NbO subnets. <i>Microporous and Mesoporous Materials</i> , 2012, 157, 37-41.	2.2	11
51	Photochromic oligothiophene substituted chromenes a new approach towards a molecular switch: electrical characterisation. <i>EPJ Applied Physics</i> , 2002, 18, 3-8.	0.3	9
52	Synthesis, Aromaticity, and Application of <i>peri</i> -Pentacenopentacene: Localized Representation of Benzenoid Aromatic Compounds. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
53	Molecular photo switch based on photochromic oligothiophenes. <i>Synthetic Metals</i> , 2001, 121, 1463-1464.	2.1	6
54	Transient Absorption Investigation of the Photophysical Properties of Thiophene Linked [2H]-Chromenes. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 363-368.	0.4	6

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55	NMR and kinetic investigations of the multistep photochromism of 3-thienyl-naphthopyrans. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 70-78.	2.0	5
56	Serendipitous Rediscovery of the Facile Cyclization of Z, Z-3,5-Octadiene-1,7-diyne Derivatives to Afford Stable, Substituted Naphthocyclobutadienes. ChemPlusChem, 2019, 84, 665-672.	1.3	5
57	Synthesis and Photochromic Properties of Thiophene Linked [2H]-Chromenes. Molecular Crystals and Liquid Crystals, 2000, 344, 139-144.	0.3	4
58	Improved thermal stability in photochromism-based optically controllable organic thin film transistor. Organic Electronics, 2014, 15, 1891-1895.	1.4	4
59	Synthesis and photochromic behaviour of a series of benzopyrans bearing an N-phenyl-carbazole moiety: photochromism control by the steric effect. Photochemical and Photobiological Sciences, 2020, 19, 1344-1355.	1.6	4
60	Linking the Inner Isophthalate Guests Within Hexadeca-Oxothiomolybdenum Cyclic Arrangements. Synthesis, Structures and Stability in Solution. Journal of Cluster Science, 2014, 25, 811-823.	1.7	3
61	The Investigation of a Functionalised Photochromic Mesogen. Molecular Crystals and Liquid Crystals, 2005, 430, 123-126.	0.4	1
62	Synthesis, crystal structure, tropicity and charge transport properties of diindenothienothiophene derivatives. Journal of Materials Chemistry C, 0, , .	2.7	1
63	A photochromic liquid crystal system. , 2004, , .		0
64	3,3,4,4,5,5-Hexafluoro-1,2-bis[5-(2-fluoro-4-undecyloxybiphenyl-4-yl)-2-methyl-3-thienyl]cyclopentene. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o962-o962.	0.2	0