

# Marek Cigajka

## List of Publications by Year in descending order

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49  
papers

726  
citations

623734

14  
h-index

610901

24  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Properties of Substituted Coumarins in Solution and Polymer Matrices. <i>Molecules</i> , 2012, 17, 3259-3276.	3.8	108
2	7-(Dimethylamino)coumarin-3-carbaldehyde and Its Phenylsemicarbazone: TICT Excited State Modulation, Fluorescent H-Aggregates, and Preferential Solvation. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4870-4883.	2.5	93
3	Relation between secondary doping and phase separation in PEDOT:PSS films. <i>Applied Surface Science</i> , 2017, 395, 86-91.	6.1	36
4	New method for visualization of silica phytoliths in Sorghum bicolor roots by fluorescence microscopy revealed silicate concentration-dependent phytolith formation. <i>Planta</i> , 2014, 240, 1365-1372.	3.2	31
5	Coumarin phenylsemicarbazones: sensitive colorimetric and fluorescent "turn-on" chemosensors for low-level water content in aprotic organic solvents. <i>New Journal of Chemistry</i> , 2016, 40, 8946-8953.	2.8	30
6	Small-molecule coumarin fluorescent pH probes for extremely acidic conditions. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127646.	7.8	29
7	Photoswitching Behavior of 5-Phenylazopyrimidines: In Situ Irradiation NMR and Optical Spectroscopy Combined with Theoretical Methods. <i>Journal of Organic Chemistry</i> , 2018, 83, 5986-5998.	3.2	21
8	Isatin N-phenylsemicarbazone: effect of substituents and concentration on anion sensing selectivity and sensitivity. <i>RSC Advances</i> , 2014, 4, 54072-54079.	3.6	19
9	Isatinphenylsemicarbazones as efficient colorimetric sensors for fluoride and acetate anions "Anions induce tautomerism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 421-429.	3.9	19
10	Kinetic Study of Michael Addition Catalyzed by N-Methylimidazole in Ionic Liquids: Residual N-Methylimidazole in Ionic Liquids as a Strong Base. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4408-4411.	2.4	17
11	Polysubstituted 5-Phenylazopyrimidines: Extremely Fast Non-ionic Photochromic Oscillators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15590-15594.	13.8	17
12	Isatin phenylhydrazones: anion enhanced photochromic behaviour. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 2064-2073.	2.9	16
13	Isatin pentafluorophenylhydrazones: interesting conformational change during anion sensing. <i>RSC Advances</i> , 2016, 6, 109742-109750.	3.6	16
14	Oligothiophenes with the naphthalene core for organic thin-film transistors: variation in positions of bithiophenyl attachment to the naphthalene. <i>Synthetic Metals</i> , 2015, 202, 73-81.	3.9	15
15	Synthesis, electrochemical, spectral and DFT study of novel thiazole-annelated subphthalocyanines with inherent chirality. <i>Dyes and Pigments</i> , 2016, 130, 24-36.	3.7	15
16	Effect of Structure on Charge Distribution in the Isatin Anions in Aprotic Environment: Spectral Study. <i>Molecules</i> , 2017, 22, 1961.	3.8	14
17	Photostability of D- and L-tryptophan nonlinear optical chromophores containing a benzothiazolium acceptor. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 450-459.	1.9	13
18	7-Dialkylaminocoumarin Oximates: Small Molecule Fluorescent "Turn-On" Chemosensors for Low-Level Water Content in Aprotic Organic Solvents. <i>Molecules</i> , 2017, 22, 1340.	3.8	13

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19	Photoswitching hydrazones based on benzoylpyridine. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24749-24757.	2.8	13
20	Self-association, tautomerism and <i>E</i> / <i>Z</i> isomerization of isatin-phenylsemicarbazones: spectral study and theoretical calculations. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 805-813.	1.9	12
21	Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2- <i>thiophen-5-yl</i> )naphthalene. <i>Synthetic Metals</i> , 2017, 233, 1-14.	3.9	12
22	Dicationic and monocationic benzobisthiazolium salts as potential NLO chromophores. <i>Dyes and Pigments</i> , 2018, 149, 597-611.	3.7	12
23	Effect of electron-withdrawing groups on molecular properties of naphthyl and anthryl bithiophenes as potential n-type semiconductors. <i>New Journal of Chemistry</i> , 2021, 45, 9794-9804.	2.8	12
24	Effect of reactants concentration on the ratio and yield of <i>E,Z</i> isomers of isatin-3-(4-phenyl)semicarbazone and <i>N</i> -methylisatin-3-(4-phenyl)semicarbazone. <i>Chemical Papers</i> , 2013, 67, .	2.2	11
25	Light initiated <i>E</i> / <i>Z</i> and <i>Z</i> / <i>E</i> isomerization of isatinphenylsemicarbazones: Tautomeric equilibrium effect. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 288, 60-69.	3.9	11
26	Phosphate linkers with traceable cyclic intermediates for self-immolation detection and monitoring. <i>Chemical Communications</i> , 2021, 57, 211-214.	4.1	10
27	Spectral properties of binaphthalene-coumarins interconnected through hydrazone linkage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 276-283.	3.9	9
28	3-(7-Dimethylamino)coumarin <i>N</i> -phenylsemicarbazones in solution and polymer matrices: Tuning their fluorescence via para-phenyl substitution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 36-45.	3.9	9
29	Isatin <i>N,N</i> -diphenylhydrazones: new easily synthesized Vis-Vis molecular photoswitches. <i>RSC Advances</i> , 2015, 5, 62449-62459.	3.6	8
30	Isatin-1,8-Naphthalimide Hydrazones: A Study of Their Sensor and ON/OFF Functionality. <i>Molecules</i> , 2019, 24, 397.	3.8	8
31	Fluorescence of isatin-phenylsemicarbazones: aggregation and hydrazone-hydrazone tautomerism. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 337-346.	1.9	7
32	Effect of the ethynylene linker on the properties and carrier mobility of naphthalene derivatives with hexylbithienyl arms. <i>Synthetic Metals</i> , 2016, 217, 156-171.	3.9	7
33	Tautomeric photoswitches: anion-assisted azo/azine-to-hydrazone photochromism. <i>RSC Advances</i> , 2019, 9, 15910-15916.	3.6	7
34	Benzotriothiazole based chromophores for nonlinear optics. <i>Journal of Molecular Structure</i> , 2012, 1027, 70-80.	3.6	6
35	Effect of Pb <sup>2+</sup> ions on photosynthetic apparatus. <i>General Physiology and Biophysics</i> , 2014, 33, 131-136.	0.9	6
36	Sterically Controlled Self-immolation in Phosphoramidate Linkers Triggered by Light. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 897-906.	2.4	6

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37	Design of High-Performance Pyridine/Quinoline Hydrazone Photoswitches. <i>Journal of Organic Chemistry</i> , 2021, 86, 11633-11646.	3.2	6
38	Synthesis and Photophysical, Electrochemical and Theoretical Study of Thiadiazole-Annulated Phthalocyanines. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7053-7068.	2.4	5
39	GC-MS/MS method for age determination of fingerprints. <i>Monatshefte für Chemie</i> , 2017, 148, 1673-1678.	1.8	5
40	Structural and Spectroscopic Properties of Benzoylpyridine-Based Hydrazones. <i>ChemPhysChem</i> , 2021, 22, 533-541.	2.1	5
41	Push-pull molecular structures based on angular benzobisthiazolium acceptor: synthesis, photophysical properties and theoretical studies. <i>Tetrahedron</i> , 2015, 71, 315-323.	1.9	4
42	Spectral properties of ionic benzotriazole based donor-acceptor NLO-phores in polymer matrices and their one- and two-photon cellular imaging ability. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1832-1844.	2.9	3
43	Polysubstituted 5-Phenylazopyrimidines: Extremely Fast Non-ionic Photochromic Oscillators. <i>Angewandte Chemie</i> , 2020, 132, 15720-15724.	2.0	3
44	Dithienynaphthalenes and quaterthiophenes substituted with electron-withdrawing groups as n-type organic semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10058-10074.	5.5	3
45	4-Azafluorenone and $\beta$ -Carboline Fluorophores with Green and Violet/Blue Emission. <i>Molecules</i> , 2019, 24, 2378.	3.8	2
46	Synthesis and spectral properties of probes based on pyrene and 2,2,6,6-tetramethylpiperidine-1-H- or 1-oxyl. <i>Dyes and Pigments</i> , 2018, 153, 189-199.	3.7	1
47	Photoswitching of 5-phenylazopyrimidines in crystalline powders and thin films. <i>Dyes and Pigments</i> , 2022, 199, 110066.	3.7	1
48	Photophysical properties and photostability of novel benzothiazole-based D- $\pi$ -A- $\pi$ -D systems. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 984-993.	3.9	0
49	Polysubstituted 5-Phenylazopyrimidines: Extremely Fast Non-ionic Photochromic Oscillators ( <i>Angew. Chem.</i> 36/2020). <i>Angewandte Chemie</i> , 2020, 132, 15896-15896.	2.0	0