

# Marek Sikorski

## List of Publications by Year in descending order

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111  
papers

2,922  
citations

186209

28  
h-index

197736

49  
g-index

115  
all docs

115  
docs citations

115  
times ranked

2836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of edible oils using synchronous scanning fluorescence spectroscopy. <i>Food Chemistry</i> , 2005, 89, 217-225.	4.2	162
2	Spectroscopy and Photophysics of Lumiflavins and Lumichromes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1501-1508.	1.1	126
3	Efficient Metal-Free Aerobic Photooxidation of Sulfides to Sulfoxides Mediated by a Vitamin B <sub>2</sub> Derivative and Visible Light. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1654-1663.	2.1	124
4	Characterization of Edible Oils Using Total Luminescence Spectroscopy. <i>Journal of Fluorescence</i> , 2004, 14, 25-35.	1.3	118
5	Photooxidation of Sulfides to Sulfoxides Mediated by Tetrahydroacetylriflovin and Visible Light. <i>ChemCatChem</i> , 2012, 4, 620-623.	1.8	117
6	Photostability and Photostabilization of Drugs and Drug Products. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-19.	1.4	99
7	Fraud in Animal Origin Food Products: Advances in Emerging Spectroscopic Detection Methods over the Past Five Years. <i>Foods</i> , 2020, 9, 1069.	1.9	83
8	Combining Flavin Photocatalysis and Organocatalysis: Metal-Free Aerobic Oxidation of Unactivated Benzylic Substrates. <i>Organic Letters</i> , 2019, 21, 114-119.	2.4	79
9	Simultaneous analysis of riboflavin and aromatic amino acids in beer using fluorescence and multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2008, 613, 207-217.	2.6	77
10	Fluorescence spectroscopy in monitoring of extra virgin olive oil during storage. <i>International Journal of Food Science and Technology</i> , 2008, 43, 52-61.	1.3	76
11	Near and mid infrared spectroscopy and multivariate data analysis in studies of oxidation of edible oils. <i>Food Chemistry</i> , 2015, 187, 416-423.	4.2	76
12	Photophysical properties of lumichromes in water. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 60, 114-119.	1.7	74
13	Spectroscopy and photophysics of flavin related compounds: Riboflavin and iso-(6,7)-riboflavin. <i>Chemical Physics</i> , 2005, 314, 239-247.	0.9	72
14	Riboflavin Interactions with Oxygen—A Survey from the Photochemical Perspective. <i>Chemistry - A European Journal</i> , 2014, 20, 15280-15291.	1.7	68
15	Synchronous Fluorescence Spectroscopy of Edible Vegetable Oils. Quantification of Tocopherols. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6988-6994.	2.4	66
16	Monitoring beer during storage by fluorescence spectroscopy. <i>Food Chemistry</i> , 2006, 96, 632-639.	4.2	58
17	Color and Luminescence Stability of Selected Dental Materials In Vitro. <i>Journal of Prosthodontics</i> , 2012, 21, 112-122.	1.7	57
18	Fluorescence Spectroscopy for Characterization and Differentiation of Beers. <i>Journal of the Institute of Brewing</i> , 2004, 110, 267-275.	0.8	51

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19	Spectroscopy and Photophysics of Iso- and Alloxazines: Experimental and Theoretical Study. <i>Journal of Fluorescence</i> , 2004, 14, 57-64.	1.3	49
20	Ground- and Excited-State Double Proton Transfer in Lumichrome/Acetic Acid System: Theoretical and Experimental Approach. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11707-11714.	1.1	41
21	Time-resolved spectroscopy of the singlet excited state of betanin in aqueous and alcoholic solutions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18152-18158.	1.3	39
22	Acid-Base Equilibria of Lumichrome and its 1-Methyl, 3-Methyl, and 1,3-Dimethyl Derivatives. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7474-7490.	1.1	35
23	Analysis of Olive Oils by Fluorescence Spectroscopy: Methods and Applications. , 0, , .		35
24	Photochemistry of Riboflavin Derivatives in Methanolic Solutions. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1199-1207.	1.1	32
25	Spectroscopic techniques and chemometrics in analysis of blends of extra virgin with refined and mild deodorized olive oils. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 92-102.	1.0	32
26	Electronic structure of isoalloxazines in their ground and excited states. <i>Journal of Molecular Structure</i> , 2004, 697, 137-141.	1.8	31
27	Electronic structure of lumiflavin and its analogues in their ground and excited states. <i>Computational and Theoretical Chemistry</i> , 2004, 676, 155-160.	1.5	30
28	Azodicarboxylate-free esterification with triphenylphosphine mediated by flavin and visible light: method development and stereoselectivity control. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6809-6817.	1.5	30
29	Spectroscopy and photophysics of flavin-related compounds: 5-deaza-riboflavin. <i>Journal of Molecular Structure</i> , 2006, 783, 184-190.	1.8	29
30	Spectroscopy and photophysics of alloxazines studied in their ground and first excited singlet states. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 158, 45-53.	2.0	28
31	The solvent effect on the excited-state proton transfer of lumichrome. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 157, 5-14.	2.0	27
32	Effect of substituents of alloxazine derivatives on the selectivity and affinity for adenine in AP-site-containing DNA duplexes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4949.	1.5	27
33	Porphyrazines with peripheral isophthaloxylalkylsulfanyl substituents and their optical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 307-308, 54-67.	2.0	27
34	Sulfanyl porphyrazines: Molecular barrel-like self-assembly in crystals, optical properties and in vitro photodynamic activity towards cancer cells. <i>Dyes and Pigments</i> , 2017, 136, 898-908.	2.0	27
35	Hydrogen-Bonded Complexes of Lumichrome. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1785-1794.	1.1	26
36	Spectroscopy and photophysics of flavin-related compounds: 3-benzyl-lumiflavin. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 463.	1.6	25

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37	Photodynamic inactivation of <i>Enterococcus faecalis</i> by non-peripherally substituted magnesium phthalocyanines entrapped in lipid vesicles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 100-106.	1.7	25
38	Spectroscopy and photophysics of dimethyl-substituted alloxazines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 148-160.	2.0	23
39	Photophysical properties of betaxanthins: miraxanthin – insight into the excited-state deactivation mechanism from experiment and computations. <i>RSC Advances</i> , 2017, 7, 6411-6421.	1.7	23
40	Flavin Photocatalysts for Visible-Light [2+2] Cycloadditions: Structure, Reactivity and Reaction Mechanism. <i>ChemCatChem</i> , 2018, 10, 849-858.	1.8	23
41	Spectroscopy and structure of sparteine and 2-methylsparteine dichloride metal complexes. <i>Journal of Molecular Structure</i> , 2004, 707, 89-96.	1.8	22
42	Spectroscopy and photophysics of mono methyl-substituted alloxazines. <i>Chemical Physics</i> , 2004, 301, 95-103.	0.9	22
43	Photophysical properties of betaxanthins: Vulgaxanthin I in aqueous and alcoholic solutions. <i>Journal of Luminescence</i> , 2015, 167, 289-295.	1.5	21
44	Photophysical properties and photochemistry of a sulfanyl porphyrazine bearing isophthaloxybutyl substituents. <i>Dyes and Pigments</i> , 2015, 113, 702-708.	2.0	21
45	In Search of Excited-State Proton Transfer in the Lumichrome Dimer in the Solid State: A Theoretical and Experimental Approach. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4638-4648.	1.1	20
46	New photochemically stable riboflavin analogue – 3-Methyl-riboflavin tetraacetate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 186, 14-23.	2.0	20
47	Photophysical properties of indicaxanthin in aqueous and alcoholic solutions. <i>Dyes and Pigments</i> , 2015, 113, 634-639.	2.0	20
48	Spectroscopy and photophysics of 6,7-dimethyl-alloxazine: experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2004, 697, 199-205.	1.8	19
49	Discrimination of Beer Flavours by Analysis of Volatiles Using the Mass Spectrometer as an Electronic Nose. <i>Journal of the Institute of Brewing</i> , 2007, 113, 110-116.	0.8	18
50	Photophysics of methyl substituted alloxazines in water: efficiency of singlet oxygen generation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 149, 39-44.	2.0	17
51	Photophysics of 1-methyl lumichrome. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 193-201.	2.0	17
52	Direct Characterization of Hydrogen Peroxide Bleached Thermomechanical Pulp Using Spectroscopic Methods. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10530-10536.	1.1	17
53	FT-Raman, FT-infrared and NIR spectroscopic characterization of oxygen-delignified kraft pulp treated with hydrogen peroxide under acidic and alkaline conditions. <i>Vibrational Spectroscopy</i> , 2014, 71, 62-69.	1.2	17
54	Photophysics of dimethyl-alloxazines and 1-methyl lumichrome on cellulose Dedicated to Professor Frank Wilkinson on the occasion of his retirement. Electronic Supplementary Information available. See <a href="http://www.rsc.org/suppdata/cp/b1/b106953e/">http://www.rsc.org/suppdata/cp/b1/b106953e/</a> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 211-215.	1.3	15

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55	Chemical quenching of singlet oxygen by betanin. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 872-878.	1.6	15
56	Study of the effect of $\beta$ -cyclodextrin on the photophysics of alloxazines in the solid state. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1095-1098.	0.9	14
57	Photophysics of alloxazines on cellulose. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 715-720.	1.6	14
58	Photophysics of lumichrome on cellulose. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 267-271.	2.0	14
59	Spectroscopy and photophysics of flavin-related compounds: 3-ethyl-lumiflavin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 170, 267-272.	2.0	14
60	Spectroscopy and photophysics of flavin-related compounds: Isoalloxazines. <i>Computational and Theoretical Chemistry</i> , 2005, 756, 47-54.	1.5	14
61	Primary photophysical properties of 4H-1-benzopyran-4-thione in cyclodextrin complexes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3029-3034.	1.7	13
62	Fluorescence spectroscopy and imaging instruments for food quality evaluation. , 2019, , 491-533.		13
63	The quenching of short-lived S <sub>2</sub> states of aromatic thioketones by hydrocarbons. I. Important contributions of the transient effect from steady-state measurements. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 94, 119-127.	2.0	12
64	Changes in chromophoric composition of high-yield mechanical pulps due to hydrogen peroxide bleaching under acidic and alkaline conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 157-163.	2.0	12
65	Phthalocyanine-Grafted Titania Nanoparticles for Photodegradation of Ibuprofen. <i>Catalysts</i> , 2020, 10, 1328.	1.6	12
66	Ultrafast Dynamics of the Transoid <i>cis</i> Isomer Formed in Photochromic Reaction from 3-H-Naphthopyran. <i>ChemPhysChem</i> , 2020, 21, 1402-1407.	1.0	12
67	Robust Photocatalytic Method Using Ethylene-Bridged Flavinium Salts for the Aerobic Oxidation of Unactivated Benzylic Substrates. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4371-4379.	2.1	12
68	On the conditions needed to verify a nonstationary diffusion model by kinetic analysis of fast fluorescence quenching. <i>Journal of Luminescence</i> , 1996, 69, 217-227.	1.5	11
69	Spectroscopy and photophysics of 9-methylalloxazine. Experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2004, 689, 121-126.	1.8	11
70	Ultrafast internal conversion in neobetanin in comparison to betacyanins. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 602-610.	2.0	11
71	Riboflavin degradation products; combined photochemical and mass spectrometry approach. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112837.	2.0	11
72	The use of diffuse-reflectance laser-flash photolysis to study the photochemistry of the kraft pulp treated with hydrogen peroxide under alkaline and acidic conditions. <i>Wood Science and Technology</i> , 2002, 36, 187-195.	1.4	9

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73	Electronic structure and spectral properties of selected trimethyl-alloxazines: Combined experimental and DFT study. <i>Chemical Physics</i> , 2009, 361, 83-93.	0.9	9
74	Deactivation of the lowest triplet state of 4-H-1-benzopyran-4-thione in different solvents. <i>Chemical Physics Letters</i> , 1993, 209, 403-407.	1.2	8
75	Triplet state decay of some thioketones in solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3487.	1.7	8
76	Surface photochemistry: alloxazine within nanochannels of Na <sup>+</sup> and H <sup>+</sup> ZSM-5 zeolites. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5762.	1.3	8
77	Supramolecular polymer of Schiff base gadolinium complex: Synthesis, crystal structure and spectroscopic properties. <i>Inorganica Chimica Acta</i> , 2015, 430, 108-113.	1.2	8
78	Synthesis, characterization and photophysical properties of novel 5,7-disubstituted-1,4-diazepine-2,3-dicarbonitriles. <i>Journal of Molecular Structure</i> , 2016, 1110, 208-214.	1.8	8
79	Influence of pH on photophysical properties of (E)-1-(4-chlorobenzyl)-4-(4-hydroxystyryl)pyridinium chloride. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1454-1464.	1.6	7
80	Spectroscopy and Photophysics of Monomethyl-Substituted Derivatives of 5-Deazaalloxazine and 10-Ethyl-5-Deaza-Isoalloxazine. <i>Journal of Fluorescence</i> , 2014, 24, 505-521.	1.3	7
81	Triplet states of aromatic thioketones supported on cellulose. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 3639-3645.	1.3	6
82	Electron ionisation and electrospray ionisation mass spectrometric study of a series of isomeric methyl-, dimethyl- and trimethylalloxazines. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 409-416.	0.7	6
83	The effects of pH and hydrogen bonds on photophysical properties of N-(4-bromobenzyl) substituted hydroxystilbazolium hemicyanine and merocyanine. <i>Dyes and Pigments</i> , 2014, 108, 126-139.	2.0	6
84	Influence of pH on spectral and photophysical properties of 9-methyl-5-deazaalloxazine and 10-ethyl-5-deaza-isoalloxazine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 275, 12-20.	2.0	6
85	Cisoid-cis intermediate plays a crucial role in decolouration rate in photochromic reaction of 8H-pyranoquinazolines and 3H-naphthopyrans. <i>Dyes and Pigments</i> , 2022, 201, 110249.	2.0	6
86	Title is missing!. <i>Journal of Fluorescence</i> , 1998, 8, 273-280.	1.3	5
87	Photophysics of aromatic thioketones supported on cellulose. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1855-1859.	1.7	5
88	Synthesis and Spectroscopy of LiClO <sub>4</sub> Complexes of (â€“)Sparteine, 2-Methyl- and 2-Oxosparteine, and 2-Cyano-2-methylsparteine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003, 58, 1133-1140.	0.3	5
89	Spectroscopy and photophysics of cyanoalloxazines. Theoretical study. <i>Computational and Theoretical Chemistry</i> , 2005, 722, 51-56.	1.5	5
90	Spectral and photophysical properties of thermomechanical pulps bleached with the use of acidified and alkaline hydrogen peroxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 66-72.	2.0	5

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91	Photophysical properties of isomeric N-chlorobenzyl substituted (E)-2-(3- or 4-hydroxy-4-stilbazolium chlorides in alcohols. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6981.	1.3	5
92	Photophysics, Excited-State Double-Proton Transfer and Hydrogen-Bonding Properties of 5-Deazaalloxazines. <i>Photochemistry and Photobiology</i> , 2014, 90, 972-988.	1.3	5
93	Study of photophysical properties of 5-deazaalloxazine and 1,3-dimethyl-5-deazaalloxazine in dependence of pH using different spectral techniques. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18729-18741.	1.3	5
94	Photophysics of xanthione and 4H-1-benzopyran-4-thione in $\beta$ -cyclodextrin complexes. <i>Chemical Communications</i> , 1997, , 395-396.	2.2	4
95	Luminescence of selected dental composites in vitro. <i>Dental Materials</i> , 2008, 24, 1329-1335.	1.6	4
96	Influence of water on photophysical properties of N-bromobenzyl- or nitrobenzyl derivatives of substituted 4-hydroxystilbazolium hemicyanines. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1670-1679.	1.6	4
97	Photophysical properties of alloxazine derivatives with extended aromaticity – Potential redox-sensitive fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120985.	2.0	4
98	Photochemistry of chlorobenzene derivatives in solution: role of the substituent and its position in photoreduction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 43, 21-29.	2.0	3
99	Surface photochemistry: Diffuse reflectance studies of thioketones included into p-tert-butylcalix[6 and 8]arenes. <i>Journal of Molecular Structure</i> , 2007, 827, 11-19.	1.8	3
100	Photolability of potential calcium channel antagonists: Hexahydroquinoline derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 192, 197-203.	2.0	3
101	Fluorescence Methods for Analysis of Beer. , 2009, , 963-976.		3
102	Electron ionization mass spectrometric study of substituted alloxazine oxides and chloroalloxazine oxide. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 619-628.	0.7	3
103	Electron ionization and electrospray ionization mass spectrometric study of a series of isomeric chloro(or bromo)benzyl substituted 2-(3- or 4-hydroxy-4-stilbazole halides. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1059-1065.		3
104	Surface photochemistry: p-Hydroxystilbazol within nanochannels of Na <sup>+</sup> and H <sup>+</sup> ZSM-5 zeolites. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 317-324.	2.2	3
105	UV-vis spectroscopy combined with azastilbene probe as a tool for testing basicity of mesoporous silica modified with nitrogen compounds. <i>Applied Catalysis A: General</i> , 2019, 570, 339-347.	2.2	3
106	Decay dynamics of the triplet state of 2,6-dimethyl-4H-1-benzothiopyran-4-thione in solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 94, 107-111.	2.0	2
107	Quantification of 5-methyl-2'-deoxycytidine in the DNA. <i>Acta Biochimica Polonica</i> , 2015, 62, 281-286.	0.3	2
108	How Does the Color of Restorative Material Change during Exposure to Dietary Liquids Due to the Acquisition of a Discolored Layer?. <i>Coatings</i> , 2020, 10, 866.	1.2	2

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109	Dispersive kinetic of fluorescence decay of alloxazines adsorbed into cellulose. Journal of Molecular Structure, 2005, 751, 95-99.	1.8	1
110	Spectroscopy and photophysics of trimethyl-substituted derivatives of 5-dezaalloxazine. Experimental and theoretical approaches. Journal of Molecular Structure, 2015, 1079, 139-146.	1.8	1
111	Transient effects in the fluorescence quenching of xanthione in perfluoro-1,3-dimethylcyclohexane. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1992, 39, 155-158.	0.0	0