

# Tomasz Pedzinski

## List of Publications by Year in descending order

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53  
papers

769  
citations

516710

16  
h-index

580821

25  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1154  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Reevaluation of the Photolytic Properties of 2-Hydroxybenzophenone-Based UV Sunscreens: Are Chemical Sunscreens Inoffensive?. <i>ChemPhysChem</i> , 2015, 16, 628-633.	2.1	62
2	Photosensitized oxidation of methionine derivatives. Laser flash photolysis studies. <i>Research on Chemical Intermediates</i> , 2009, 35, 497-506.	2.7	52
3	Synthesis, spectroscopic and structural studies on YOF, LaOF and GdOF nanocrystals doped with Eu <sup>3+</sup> , synthesized via stearic acid method. <i>Optical Materials</i> , 2013, 35, 2226-2233.	3.6	44
4	Quenching of the excited singlet state of acridine and 10-methylacridinium cation by thio-organic compounds in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 150, 21-30.	3.9	38
5	Photo-stability and photo-sensitizing characterization of selected sunscreens™ ingredients. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 241-250.	3.9	37
6	Characterization by mass spectrometry and IRMPD spectroscopy of the sulfoxide group in oxidized methionine and related compounds. <i>Chemical Physics Letters</i> , 2011, 502, 29-36.	2.6	30
7	High Intrinsic Barriers against Spin-State Relaxation in Iron(II) Complex Solutions. <i>Chemistry - A European Journal</i> , 2013, 19, 839-842.	3.3	24
8	The impact of interplay between electronic and steric effects on the synthesis and the linear and non-linear optical properties of diketopyrrolopyrrole bearing benzofuran moieties. <i>Organic Chemistry Frontiers</i> , 2017, 4, 724-736.	4.5	24
9	Photosensitized Oxidation of Methionine-Containing Dipeptides. From the Transients to the Final Products. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8549-8558.	2.6	23
10	Bifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Nd <sup>3+</sup> Single Crystal for Near Infrared Lasers: Luminescence and 1/4-Raman Investigations. <i>Crystal Growth and Design</i> , 2017, 17, 3656-3664.	3.0	23
11	Synthesis of a novel dinuclear ruthenium polypyridine dye for dye-sensitized solar cells application. <i>Polyhedron</i> , 2014, 67, 381-387.	2.2	22
12	Spectroscopic properties of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals doped with Pr <sup>3+</sup> ions: Absorption and luminescence investigations. <i>Optical Materials</i> , 2015, 47, 428-434.	3.6	21
13	Experimental and computational exploration of photophysical and electroluminescent properties of modified 2,2',6'-terpyridine, 2,6'-di(thiazolo-2-yl)pyridine and 2,6'-di(pyrazin-2-yl)pyridine ligands and their Re(I) complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4611.		
14	Photophysical properties of indicaxanthin in aqueous and alcoholic solutions. <i>Dyes and Pigments</i> , 2015, 113, 634-639.	3.7	20
15	How Eosin Y/Graphene Oxide-Based Materials Can Improve Efficiency of Light-Driven Hydrogen Generation: Mechanistic Aspects. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2747-2755.	3.1	20
16	Sensitized Photooxidation of <i>S</i> -Methylglutathione in Aqueous Solution: Intramolecular (S~O) and (S~N) Bonded Species. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2359-2368.	2.6	18
17	Visible-Light Photoactive, Highly Efficient Triplet Sensitizers Based on Iodinated Aza-BODIPYs: Synthesis, Photophysics and Redox Properties. <i>Chemistry - an Asian Journal</i> , 2018, 13, 55-65.	3.3	16
18	Facile Synthesis, Triplet-State Properties, and Electrochemistry of Hexaiodo-Subphthalocyanine. <i>Chemistry - A European Journal</i> , 2018, 24, 17080-17090.	3.3	16

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19	Photophysical and photochemical properties of resveratrol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 299, 118-124.	3.9	15
20	Synthesis, Photophysics and Redox Properties of Aza-BODIPY Dyes with Electron-Donating Groups. <i>ChemPhysChem</i> , 2019, 20, 2482-2497.	2.1	15
21	Effect of Hydroxylic Solvent on the Fluorescence Behavior of Some Bioactive 9-Oxo-imidazo[1,2-a]purine Derivatives. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11025-11033.	2.5	13
22	Head-to-Tail Interactions in Tyrosine/Benzophenone Dyads in the Ground and the Excited State: NMR and Laser Flash Photolysis Studies. <i>Chemistry - A European Journal</i> , 2008, 14, 7913-7929.	3.3	13
23	Efficient Photochemical Oxidation of Anisole in Protic Solvents: Electron Transfer driven by Specific Solvent-Solute Interactions. <i>ChemPhysChem</i> , 2010, 11, 2108-2117.	2.1	13
24	Photochemical formation of thiirene and thioetene 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
25	Near-Infrared Photoactive Aza-BODIPY: Thermally Robust and Photostable Photosensitizer and Efficient Electron Donor. <i>ChemPhysChem</i> , 2020, 21, 725-740.	2.1	13
26	Hydrogen Bond-Mediated Conjugates Involving Lanthanide Dipthalocyanines and Trifluoroacetic Acid (Lnpc2@TFA): Structure, Photoactivity, and Stability. <i>Molecules</i> , 2020, 25, 3638.	3.8	12
27	3-Carboxybenzophenone (3-CB) as an efficient sensitizer in the photooxidation of methionyl-leucine in aqueous solutions: Spectral, kinetic and acid-base properties of 3-CB derived transients. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 287, 1-7.	3.9	11
28	Structural Aspects of the Antiparallel and Parallel Duplexes Formed by DNA, 2'-O-Methyl RNA and RNA Oligonucleotides. <i>PLoS ONE</i> , 2015, 10, e0143354.	2.5	11
29	Carbazole effect on ground- and excited-state properties of rhenium carbonyl complexes with extended terpy-like ligands. <i>Dalton Transactions</i> , 2021, 50, 3943-3958.	3.3	11
30	A Beneficial Effect of Bromination on the Photophysical and Photochemical Properties of Aza-BODIPY Dyes with Electron-Donating Groups. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1879-1892.	2.7	10
31	Early Events of Photosensitized Oxidation of Sulfur-Containing Amino Acids Studied by Laser Flash Photolysis and Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7564-7573.	2.6	10
32	In-Depth Studies of Ground- and Excited-State Properties of Re(I) Carbonyl Complexes Bearing 2,2',6',2''-Terpyridine and 2,6-Bis(pyrazin-2-yl)pyridine Coupled with $\pi$ -Conjugated Aryl Chromophores. <i>Inorganic Chemistry</i> , 2021, 60, 18726-18738.	4.0	10
33	Unusual photobehavior of benzophenone triplets in hexafluoroisopropanol. Inversion of the triplet character of benzophenone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 244, 1-8.	3.9	9
34	Radiation- and Photo-Induced Oxidation Pathways of Methionine in Model Peptide Backbone under Anoxic Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4773.	4.1	8
35	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.	2.5	7
36	Unexpected light emission from tyrosyl radicals as a probe for tyrosine oxidation. <i>Free Radical Biology and Medicine</i> , 2020, 153, 12-16.	2.9	7

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37	Photocycloaddition of the T1 excited state of thioinosine to uridine and adenosine. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1379-1388.	2.9	6
38	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.	3.9	6
39	Reductive Modification of Carbon Nitride Structure by Metalsâ€™The Influence on Structure and Photocatalytic Hydrogen Evolution. <i>Materials</i> , 2022, 15, 710.	2.9	6
40	Reaction kinetics of resveratrol with tert-butoxyl radicals. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1294-1296.	2.8	5
41	Photophysics, Excitedâ€™state Doubleâ€™Proton Transfer and Hydrogenâ€™bonding Properties of 5â€™Deazaalloxazines. <i>Photochemistry and Photobiology</i> , 2014, 90, 972-988.	2.5	5
42	Identification of a biliverdin geometric isomer by means of HPLC/ESIâ€™MS and NMR spectroscopy. Differentiation of the isomers by using fragmentation â€™in-sourceâ€™. <i>Monatshefte für Chemie</i> , 2018, 149, 995-1002.	1.8	5
43	Towards better understanding of the photophysics of platinum (<sc>ii</sc>) coordination compounds with anthracene- and pyrene-substituted 2,6-bis(thiazol-2-yl)pyridines. <i>Dalton Transactions</i> , 2020, 49, 13440-13448.	3.3	5
44	Experimental and theoretical studies on fluvastatin primary photoproduct formation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21946-21954.	2.8	4
45	Photoinduced Skeletal Rearrangement of <i>N</i>-Substituted Colchicine Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 11029-11039.	3.2	3
46	Adducts of free-base meso-tetraarylporphyrins with trihaloacetic acids: Structure and photostability. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 393, 112445.	3.9	3
47	Oxidation studies of a novel peptide model N-acetyl-3-(methylthio)propylamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 336, 98-104.	3.9	2
48	Phototransformations of pitavastatin - The inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112243.	3.9	2
49	Unexpected Reaction Pathway of the Alpha-Aminoalkyl Radical Derived from One-Electron Oxidation of S-Alkylglutathiones. <i>Molecules</i> , 2020, 25, 877.	3.8	2
50	Photoinduced electron transfer reactions in the 10-methylacridinium cationâ€™benzyltrimethylsilane system: steady-state and flash photolysis studies. <i>Research on Chemical Intermediates</i> , 2009, 35, 351-361.	2.7	1
51	Spectroscopy and photophysics of trimethyl-substituted derivatives of 5-deazaalloxazine. Experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2015, 1079, 139-146.	3.6	1
52	Erratum to â€™Synthesis of a novel dinuclear ruthenium polypyridine dye for dye-sensitized solar cells applicationâ€™. <i>Polyhedron</i> 67 (2014) 381â€™387]. <i>Polyhedron</i> , 2021, 204, 113966.	2.2	1
53	Fluorescent 2-(Pyridin-2-yl)vinyl Pyridine Dyes and Their Thermocontrolled Release. <i>Journal of Organic Chemistry</i> , 2019, 84, 13447-13456.	3.2	0