

# Radosław Michalski

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

761  
citations

566801

15  
h-index

525886

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent probes for monitoring myeloperoxidase-derived hypochlorous acid: a comparative study. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
2	Kinetics of Azanone (HNO) Reactions with Thiols: Effect of pH. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 845-856.	0.9	4
3	On the chemical reactivity of tricyanofuran(TCF)-based near-infrared fluorescent redox probes – Effects of glutathione on the probe response and product fluorescence. <i>Dyes and Pigments</i> , 2021, 192, 109405.	2.0	13
4	Selective, stoichiometric and fast-response fluorescent probe based on 7-nitrobenz-2-oxa-1,3-diazole fluorophore for hypochlorous acid detection. <i>Dyes and Pigments</i> , 2021, 193, 109563.	2.0	23
5	Kinetic Study on the Reactivity of Azanone (HNO) toward Cyclic C-Nucleophiles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12982.	1.8	6
6	Boronate-Based Probes for Biological Oxidants: A Novel Class of Molecular Tools for Redox Biology. <i>Frontiers in Chemistry</i> , 2020, 8, 580899.	1.8	48
7	Oxidation of ethidium-based probes by biological radicals: mechanism, kinetics and implications for the detection of superoxide. <i>Scientific Reports</i> , 2020, 10, 18626.	1.6	14
8	Decomposition of Piloty's acid derivatives – Toward the understanding of factors controlling HNO release. <i>Archives of Biochemistry and Biophysics</i> , 2019, 661, 132-144.	1.4	11
9	Fluorescent probes for the detection of nitroxyl (HNO). <i>Free Radical Biology and Medicine</i> , 2018, 128, 69-83.	1.3	29
10	Detection and Characterization of Reactive Oxygen and Nitrogen Species in Biological Systems by Monitoring Species-Specific Products. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1416-1432.	2.5	70
11	A kinetic study on the reactivity of azanone ( HNO ) toward its selected scavengers: Insight into its chemistry and detection. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 69, 61-68.	1.2	15
12	Dyes derived from benzo[a]phenoxazine - synthesis, spectroscopic properties, and potential application as sensors for l-cysteine. <i>Coloration Technology</i> , 2017, 133, 145-157.	0.7	5
13	Recent Developments in the Probes and Assays for Measurement of the Activity of NADPH Oxidases. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 335-349.	0.9	24
14	Synthesis and application of dyes derived from benz[ <i>cd</i> ]indolizine(1 <i>H</i> )-one as visible-light-absorbing polymerisation photoinitiators. <i>Coloration Technology</i> , 2016, 132, 320-326.	0.7	9
15	Characterization of Fluorescein-Based Monoboronate Probe and Its Application to the Detection of Peroxynitrite in Endothelial Cells Treated with Doxorubicin. <i>Chemical Research in Toxicology</i> , 2016, 29, 735-746.	1.7	37
16	Toward selective detection of reactive oxygen and nitrogen species with the use of fluorogenic probes – Limitations, progress, and perspectives. <i>Pharmacological Reports</i> , 2015, 67, 756-764.	1.5	54
17	Detection and identification of oxidants formed during NO/O <sub>2</sub> reaction: A multi-well plate CW-EPR spectroscopy combined with HPLC analyses. <i>Free Radical Research</i> , 2014, 48, 478-486.	1.5	6
18	HPLC-based monitoring of products formed from hydroethidine-based fluorogenic probes – The ultimate approach for intra- and extracellular superoxide detection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 739-744.	1.1	96

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19	Real-time Measurements of Amino Acid and Protein Hydroperoxides Using Coumarin Boronic Acid. <i>Journal of Biological Chemistry</i> , 2014, 289, 22536-22553.	1.6	61
20	High-throughput Assays for Superoxide and Hydrogen Peroxide. <i>Journal of Biological Chemistry</i> , 2014, 289, 16176-16189.	1.6	63
21	On the use of fluorescence lifetime imaging and dihydroethidium to detect superoxide in intact animals and ex vivo tissues: A reassessment. <i>Free Radical Biology and Medicine</i> , 2014, 67, 278-284.	1.3	49
22	Hydropropidine: A novel, cell-impermeant fluorogenic probe for detecting extracellular superoxide. <i>Free Radical Biology and Medicine</i> , 2013, 54, 135-147.	1.3	42
23	Benzothiazine Dyes/2,4,6-Tris(trichloromethyl)-1,3,5-triazine as a New Visible Two-Component Photoinitiator System. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-8.	1.4	2
24	Naphthoylenebenzimidazolone dyes as electron transfer photosensitizers for iodonium salt induced cationic photopolymerizations. <i>Dyes and Pigments</i> , 2012, 95, 252-259.	2.0	26
25	Radicals and Radical Ions Derived from Indole, Indole-3-carbinol and Diindolylmethane. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6787-6794.	1.1	16
26	Mechanistic Aspects of Radiation-Induced Oligomerization of 3,4-Ethylenedioxythiophene in Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11552-11559.	1.1	7
27	Dihalide and Pseudohalide Radical Anions as Oxidizing Agents in Nonaqueous Solvents. <i>Journal of Physical Chemistry A</i> , 2010, 114, 861-866.	1.1	21
28	The Chemistry of HNO: Mechanisms and Reaction Kinetics. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	2