RadosÅ‚aw Michalski

List of Publications by Year
in descending order

28 papers	761 citations	567281 15 h-index	526287 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. Scientific Reports, 2022, 12, .	3.3	8
2	Kinetics of Azanone (HNO) Reactions with Thiols: Effect of pH. Cell Biochemistry and Biophysics, 2021, 79, 845-856.	1.8	4
3	On the chemical reactivity of tricyanofuran(TCF)-based near-infrared fluorescent redox probes â€“ Effects of glutathione on the probe response and product fluorescence. Dyes and Pigments, 2021, 192, 109405.	3.7	13
4	Selective, stoichiometric and fast-response fluorescent probe based on 7-nitrobenz-2-oxa-1,3-diazole fluorophore for hypochlorous acid detection. Dyes and Pigments, 2021, 193, 109563.	3.7	23
5	Kinetic Study on the Reactivity of Azanone (HNO) toward Cyclic C-Nucleophiles. International Journal of Molecular Sciences, 2021, 22, 12982.	4.1	6
6	Boronate-Based Probes for Biological Oxidants: A Novel Class of Molecular Tools for Redox Biology. Frontiers in Chemistry, 2020, 8, 580899.	3.6	48
7	Oxidation of ethidium-based probes by biological radicals: mechanism, kinetics and implications for the detection of superoxide. Scientific Reports, 2020, 10, 18626.	3.3	14
8	Decomposition of Piloty's acid derivatives â€“ Toward the understanding of factors controlling HNO release. Archives of Biochemistry and Biophysics, 2019, 661, 132-144.	3.0	11
9	Fluorescent probes for the detection of nitroxyl (HNO). Free Radical Biology and Medicine, 2018, 128, 69-83.	2.9	29
10	Detection and Characterization of Reactive Oxygen and Nitrogen Species in Biological Systems by Monitoring Species-Specific Products. Antioxidants and Redox Signaling, 2018, 28, 1416-1432.	5.4	70
11	A kinetic study on the reactivity of azanone (HNO) toward its selected scavengers: Insight into its chemistry and detection. Nitric Oxide - Biology and Chemistry, 2017, 69, 61-68.	2.7	15
12	Dyes derived from benzo[a]phenoxazine - synthesis, spectroscopic properties, and potential application as sensors forl-cysteine. Coloration Technology, 2017, 133, 145-157.	1.5	5
13	Recent Developments in the Probes and Assays for Measurement of the Activity of NADPH Oxidases. Cell Biochemistry and Biophysics, 2017, 75, 335-349.	1.8	24
14	Synthesis and application of dyes derived from benz[cd]indolâ€2(1H)â€one as visibleâ€lightâ€absorbing polymerisation photoinitiators. Coloration Technology, 2016, 132, 320-326.	1.5	9
15	Characterization of Fluorescein-Based Monoboronate Probe and Its Application to the Detection of Peroxynitrite in Endothelial Cells Treated with Doxorubicin. Chemical Research in Toxicology, 2016, 29, 735-746.	3.3	37
16	Toward selective detection of reactive oxygen and nitrogen species with the use of fluorogenic probes â€“ Limitations, progress, and perspectives. Pharmacological Reports, 2015, 67, 756-764.	3.3	54
17	Detection and identification of oxidants formed during^{â€¢}NO/O₂^{â€¢â€“}reaction: A multi-well plate CW-EPR spectroscopy combined with HPLC analyses. Free Radical Research, 2014, 48, 478-486.	3.3	6
18	HPLC-based monitoring of products formed from hydroethidine-based fluorogenic probes â€” The ultimate approach for intra- and extracellular superoxide detection. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 739-744.	2.4	96

#	Article	IF	Citations
19	Real-time Measurements of Amino Acid and Protein Hydroperoxides Using Coumarin Boronic Acid. Journal of Biological Chemistry, 2014, 289, 22536-22553.	3.4	61
20	High-throughput Assays for Superoxide and Hydrogen Peroxide. Journal of Biological Chemistry, 2014, 289, 16176-16189.	3.4	63
21	On the use of fluorescence lifetime imaging and dihydroethidium to detect superoxide in intact animals and ex vivo tissues: A reassessment. Free Radical Biology and Medicine, 2014, 67, 278-284.	2.9	49
22	Hydropropidine: A novel, cell-impermeant fluorogenic probe for detecting extracellular superoxide. Free Radical Biology and Medicine, 2013, 54, 135-147.	2.9	42
23	Benzothiazine Dyes/2,4,6-Tris(trichloromethyl)-1,3,5-triazine as a New Visible Two-Component Photoinitiator System. International Journal of Photoenergy, 2012, 2012, 1-8.	2.5	2
24	Naphthoylenebenzimidazolone dyes as electron transfer photosensitizers for iodonium salt induced cationic photopolymerizations. Dyes and Pigments, 2012, 95, 252-259.	3.7	26
25	Radicals and Radical Ions Derived from Indole, Indole-3-carbinol and Diindolylmethane. Journal of Physical Chemistry A, 2010, 114, 6787-6794.	2.5	16
26	Mechanistic Aspects of Radiation-Induced Oligomerization of 3,4-Ethylenedioxythiophene in Ionic Liquids. Journal of Physical Chemistry A, 2010, 114, 11552-11559.	2.5	7
27	Dihalide and Pseudohalide Radical Anions as Oxidizing Agents in Nonaqueous Solvents. Journal of Physical Chemistry A, 2010, 114, 861-866.	2.5	21
28	The Chemistry of HNO: Mechanisms and Reaction Kinetics. Frontiers in Chemistry, 0, 10, .	3.6	2