

Radosław Podsiadły

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,150
citations

393982

19
h-index

433756

31
g-index

55
all docs

55
docs citations

55
times ranked

1152
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in detection of superoxide radical anion and hydrogen peroxide: Opportunities, challenges, and implications in redox signaling. Archives of Biochemistry and Biophysics, 2017, 617, 38-47.	1.4	105
2	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.	2.5	70
3	Mitigation of NADPH Oxidase 2 Activity as a Strategy to Inhibit Peroxynitrite Formation. Journal of Biological Chemistry, 2016, 291, 7029-7044.	1.6	58
4	Novel visible photoinitiators systems for free-radical/cationic hybrid photopolymerization. Dyes and Pigments, 2011, 91, 422-426.	2.0	53
5	N-substituted quinoxalinobenzothiazine/iodonium salt systems as visible photoinitiators for hybrid polymerization. Dyes and Pigments, 2013, 97, 462-468.	2.0	50
6	Boronate-Based Probes for Biological Oxidants: A Novel Class of Molecular Tools for Redox Biology. Frontiers in Chemistry, 2020, 8, 580899.	1.8	48
7	On the use of peroxy-caged luciferin (PCL-1) probe for bioluminescent detection of inflammatory oxidants in vitro and in vivo – Identification of reaction intermediates and oxidant-specific minor products. Free Radical Biology and Medicine, 2016, 99, 32-42.	1.3	44
8	Electrochemical and photoelectrochemical degradation of direct dyes. Coloration Technology, 2006, 122, 207-212.	0.7	43
9	The photostability of some fluorescent disperse dyes derivatives of coumarin. Dyes and Pigments, 2001, 49, 187-191.	2.0	41
10	Fluoroflavin dyes as electron transfer photosensitizers for onium salt induced cationic photopolymerization. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 212, 68-74.	2.0	37
11	Photoreaction and photopolymerization studies on fluoroflavin dye–pyridinium salt systems. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 60-68.	2.0	29
12	The synthesis of novel, visible-wavelength, oxidizable polymerization sensitizers based on the 8-halogeno-5,12-dihydroquinoxalino[2,3-b]quinoxaline skeleton. Dyes and Pigments, 2009, 82, 365-371.	2.0	26
13	Naphthoylenebenzimidazolone dyes as electron transfer photosensitizers for iodonium salt induced cationic photopolymerizations. Dyes and Pigments, 2012, 95, 252-259.	2.0	26
14	Electrochemical and photoelectrochemical treatment of C.I. Acid Violet 1. Dyes and Pigments, 2007, 73, 390-393.	2.0	25
15	Recent Developments in the Probes and Assays for Measurement of the Activity of NADPH Oxidases. Cell Biochemistry and Biophysics, 2017, 75, 335-349.	0.9	24
16	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.	2.0	23
17	Styryl dyes as new photoinitiators for free radical polymerization. Dyes and Pigments, 2008, 77, 510-514.	2.0	21
18	12H-Quinoxalino[2,3-b][1,4]benzothiazine derivatives as novel visible photosensitizers in cationic photopolymerization. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 208, 147-153.	2.0	21

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19	Two-photon fluorescent probe for cellular peroxynitrite: Fluorescence detection, imaging, and identification of peroxynitrite-specific products. <i>Free Radical Biology and Medicine</i> , 2021, 169, 24-35.	1.3	20
20	Synthesis and photochemical reaction of novel, visible-wavelength oxidizable polymerization sensitizer based on the 12H-quinoxalino[2,3-b][1,4]benzothiazine skeleton. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 115-121.	2.0	19
21	Characterization of the reactivity of luciferin boronate - A probe for inflammatory oxidants with improved stability. <i>Dyes and Pigments</i> , 2020, 183, 108693.	2.0	18
22	The synthesis of novel, visible-wavelength oxidizable polymerization sensitizers based on the 5,12-dihydroquinoxalino[2,3-b]pyridopyrazine skeleton. <i>Dyes and Pigments</i> , 2009, 80, 86-92.	2.0	17
23	Dyes derived from 1,4-naphthoquinone as initiators for radical and cationic photopolymerisation. <i>Coloration Technology</i> , 2012, 128, 378-386.	0.7	17
24	Diazobenzo[a]fluorene derivatives as visible photosensitizers for free radical polymerization. <i>Dyes and Pigments</i> , 2012, 94, 113-119.	2.0	17
25	Synthesis of 5-azo-8-hydroxy-2-methylquinoline dyes and relevant spectroscopic, electrochemical and computational studies. <i>Dyes and Pigments</i> , 2017, 142, 277-292.	2.0	17
26	Water-soluble cationic boronate probe based on coumarin imidazolium scaffold: Synthesis, characterization, and application to cellular peroxynitrite detection. <i>Free Radical Biology and Medicine</i> , 2022, 179, 34-46.	1.3	17
27	Color changes accompanying one-electron reduction and oxidation of the azo dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 373-379.	2.0	15
28	Increased formation of reactive oxygen species during tumor growth: Ex vivo low-temperature EPR and in vivo bioluminescence analyses. <i>Free Radical Biology and Medicine</i> , 2020, 147, 167-174.	1.3	15
29	Dyes derived from 3-formyl-1-quinolone " synthesis, spectroscopic characterisation, and their behaviour in the presence of sulphhydryl and non-sulphhydryl amino acids. <i>Coloration Technology</i> , 2015, 131, 157-164.	0.7	14
30	Dyes based on a 1,4-naphthoquinone skeleton as new type photocatalysts for radical polymerisation. <i>Coloration Technology</i> , 2013, 129, 284-288.	0.7	13
31	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
32	Study of free radical polymerisation with dye photoinitiators containing a naphthoylenebenzimidazolone skeleton. <i>Coloration Technology</i> , 2008, 124, 79-85.	0.7	12
33	Synthesis of novel oxidizable polymerization sensitizers based on the dithiinoquinoxaline skeleton. <i>Dyes and Pigments</i> , 2012, 92, 1300-1307.	2.0	12
34	Diazobenzo[a]fluorene derivatives as visible photosensitizers for cationic polymerization. <i>Dyes and Pigments</i> , 2012, 95, 74-78.	2.0	12
35	Recent progress in the synthesis of firefly luciferin derivatives. <i>Dyes and Pigments</i> , 2019, 170, 107627.	2.0	12
36	Naphthoylenebenzimidazolone sensitizers for photo-oxidizable free radical polymerisation with the aid of pyridinium salts. <i>Coloration Technology</i> , 2008, 124, 341-347.	0.7	11

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37	Hymecromone naphthoquinone ethers as probes for hydrogen sulfide detection. <i>Dyes and Pigments</i> , 2021, 196, 109765.	2.0	11
38	Derivatives of 1,4-naphthoquinone as visible-light-absorbing one-component photoinitiators for radical polymerisation. <i>Coloration Technology</i> , 2015, 131, 229-235.	0.7	10
39	Naphthoylenebenzimidazolone dyes as one-component photoinitiators. <i>Coloration Technology</i> , 2017, 133, 178-183.	0.7	10
40	The relationship between the electrochemical and photochemical reduction of some azo dyes derived from 2-aminobenzothiazole. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 69-76.	2.0	9
41	The photochemical behavior of benzo[a]pyrido[2,1-b:3,4-b']imidazo[4,5-c]phenazine dyes. <i>Dyes and Pigments</i> , 2013, 99, 666-672.	2.0	9
42	Dyes based on the 6,7-dichloro-5,8-quinolinedione skeleton as new type <sc>II</sc> photoinitiators for radical polymerisation. <i>Coloration Technology</i> , 2014, 130, 185-190.	0.7	9
43	Synthesis and application of dyes derived from benz[<i>c</i>]indol-2(1 <i>H</i>)-one as visible-light-absorbing polymerisation photoinitiators. <i>Coloration Technology</i> , 2016, 132, 320-326.	0.7	9
44	Synthesis and properties of some disazo disperse dyes derivatives of 2-amino-6-phenylazobenzothiazole and 2-amino-6-(4-nitro)-phenylazobenzothiazole. <i>Dyes and Pigments</i> , 2007, 72, 223-227.	2.0	8
45	6-Pyridinium benzo[a]phenazine-5-oxide derivatives as visible photosensitisers for polymerisation. <i>Coloration Technology</i> , 2014, 130, 250-259.	0.7	8
46	Identification of Peroxynitrite by Profiling Oxidation and Nitration Products from Mitochondria-Targeted Arylboronic Acid. <i>Methods in Molecular Biology</i> , 2021, 2275, 315-327.	0.4	8
47	Novel Boronate Probe Based on 3-Benzothiazol-2-yl-7-hydroxy-chromen-2-one for the Detection of Peroxynitrite and Hypochlorite. <i>Molecules</i> , 2021, 26, 5940.	1.7	8
48	Fluorescent probes for monitoring myeloperoxidase-derived hypochlorous acid: a comparative study. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
49	Synthesis and ultraviolet-visible spectroscopic and electrochemical analyses of dyes derived from 2-aminobenzothiazole, and study of their adsorption on titanium dioxide. <i>Coloration Technology</i> , 2014, 130, 243-249.	0.7	7
50	Photostability of a range of azobenzene dyes and their benzothiazolyl analogues in the presence of air. <i>Coloration Technology</i> , 2003, 119, 341-344.	0.7	6
51	Synthesis and photochemical reaction of benzo[a]quinoxalino[2,3-c]phenazine dyes. <i>Coloration Technology</i> , 2017, 133, 498-505.	0.7	5
52	The photochemical behaviour of naphthoylenebenzimidazolone dyes in 1-methyl-2-pyrrolidone. <i>Dyes and Pigments</i> , 2009, 82, 238-243.	2.0	3
53	Dyes based on the azo-1 <i>H</i> -pyrrole moiety - synthesis, spectroscopic and electrochemical properties, and adsorption on TiO ₂ . <i>Coloration Technology</i> , 2016, 132, 92-97.	0.7	3
54	A specific resistance of aminoazo dyes to the oxidative degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 267-271.	2.0	2

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55	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.	1.4	2