RadosÅ‚aw PodsiadÅ‚y

List of Publications by Year
in descending order

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	Water-soluble cationic boronate probe based on coumarin imidazolium scaffold: Synthesis, characterization, and application to cellular peroxynitrite detection. Free Radical Biology and Medicine, 2022, 179, 34-46.	1.3	17
2	Fluorescent probes for monitoring myeloperoxidase-derived hypochlorous acid: a comparative study. Scientific Reports, 2022, 12, .	1.6	8
3	Identification of Peroxynitrite by Profiling Oxidation and Nitration Products from Mitochondria-Targeted Arylboronic Acid. Methods in Molecular Biology, 2021, 2275, 315-327.	0.4	8
4	Two-photon fluorescent probe for cellular peroxynitrite: Fluorescence detection, imaging, and identification of peroxynitrite-specific products. Free Radical Biology and Medicine, 2021, 169, 24-35.	1.3	20
5	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.	2.0	13
6	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
7	Hymecromone naphthoquinone ethers as probes for hydrogen sulfide detection. Dyes and Pigments, 2021, 196, 109765.	2.0	11
8	Novel Boronate Probe Based on 3-Benzothiazol-2-yl-7-hydroxy-chromen-2-one for the Detection of Peroxynitrite and Hypochlorite. Molecules, 2021, 26, 5940.	1.7	8
9	Increased formation of reactive oxygen species during tumor growth: Ex vivo low-temperature EPR and in vivo bioluminescence analyses. Free Radical Biology and Medicine, 2020, 147, 167-174.	1.3	15
10	Boronate-Based Probes for Biological Oxidants: A Novel Class of Molecular Tools for Redox Biology. Frontiers in Chemistry, 2020, 8, 580899.	1.8	48
11	Characterization of the reactivity of luciferin boronate - A probe for inflammatory oxidants with improved stability. Dyes and Pigments, 2020, 183, 108693.	2.0	18
12	Recent progress in the synthesis of firefly luciferin derivatives. Dyes and Pigments, 2019, 170, 107627.	2.0	12
13	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
14	Naphthoylenebenzimidazolone dyes as oneâ€€component photoinitiators. Coloration Technology, 2017, 133, 178-183.	0.7	10
15	Synthesis of 5-azo-8-hydroxy-2-methylquinoline dyes and relevant spectroscopic, electrochemical and computational studies. Dyes and Pigments, 2017, 142, 277-292.	2.0	17
16	Synthesis and photochemical reaction of benzo[a]quinoxalino[2,3-c]phenazine dyes. Coloration Technology, 2017, 133, 498-505.	0.7	5
17	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
18	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

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19	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.	0.7	9
20	Mitigation of NADPH Oxidase 2 Activity as a Strategy to Inhibit Peroxynitrite Formation. Journal of Biological Chemistry, 2016, 291, 7029-7044.	1.6	58
21	On the use of peroxy-caged luciferin (PCL-1) probe for bioluminescent detection of inflammatory oxidants in vitro and in vivo â€“ Identification of reaction intermediates and oxidant-specific minor products. Free Radical Biology and Medicine, 2016, 99, 32-42.	1.3	44
22	Dyes based on the azo-1H-pyrrole moiety - synthesis, spectroscopic and electrochemical properties, and adsorption on TiO2. Coloration Technology, 2016, 132, 92-97.	0.7	3
23	Dyes derived from 3â€formylâ€2(1H)â€quinolone â€“ synthesis, spectroscopic characterisation, and their behaviour in the presence of sulfhydryl and nonâ€sulfhydryl amino acids. Coloration Technology, 2015, 131, 157-164.	0.7	14
24	Derivatives of 1,4â€naphthoquinone as visibleâ€lightâ€absorbing oneâ€component photoinitiators for radical polymerisation. Coloration Technology, 2015, 131, 229-235.	0.7	10
25	6-Pyridinium benzo[a]phenazine-5-oxide derivatives as visible photosensitisers for polymerisation. Coloration Technology, 2014, 130, 250-259.	0.7	8
26	Dyes based on the 6,7â€dichloroâ€5,8â€quinolinedione skeleton as new type <scp>II</scp> photoinitiators for radical polymerisation. Coloration Technology, 2014, 130, 185-190.	0.7	9
27	Synthesis and ultravioletâ€visible spectroscopic and electrochemical analyses of dyes derived from 2â€aminobenzothiazole, and study of their adsorption on titanium dioxide. Coloration Technology, 2014, 130, 243-249.	0.7	7
28	The photochemical behavior of benzo[a]pyrido[2â€²,1â€²:2,3]imidazo[4,5-c]phenazine dyes. Dyes and Pigments, 2013, 99, 666-672.	2.0	9
29	Dyes based on a 1,4â€naphthoquinone skeleton as new type <scp>II</scp> photoinitiators for radical polymerisation. Coloration Technology, 2013, 129, 284-288.	0.7	13
30	N-substituted quinoxalinobenzothiazine/iodonium salt systems as visible photoinitiators for hybrid polymerization. Dyes and Pigments, 2013, 97, 462-468.	2.0	50
31	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
32	Dyes derived from 1,4â€naphthoquinone as initiators for radical and cationic photopolymerisation. Coloration Technology, 2012, 128, 378-386.	0.7	17
33	Synthesis of novel oxidizable polymerization sensitizers based on the dithiinoquinoxaline skeleton. Dyes and Pigments, 2012, 92, 1300-1307.	2.0	12
34	Diazobenzo[a]fluorene derivatives as visible photosensitizers for free radical polymerization. Dyes and Pigments, 2012, 94, 113-119.	2.0	17
35	Diazobenzo[a]fluorene derivatives as visible photosensitizers for cationic polymerization. Dyes and Pigments, 2012, 95, 74-78.	2.0	12
36	Naphthoylenebenzimidazolone dyes as electron transfer photosensitizers for iodonium salt induced cationic photopolymerizations. Dyes and Pigments, 2012, 95, 252-259.	2.0	26

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37	Novel visible photoinitiators systems for free-radical/cationic hybrid photopolymerization. Dyes and Pigments, 2011, 91, 422-426.	2.0	53
38	Fluoflavin 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
39	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
40	Synthesis and photochemical reaction of novel, visible-wavelength oxidizable polymerization sensitizer based on the 12H-quinoxalino[2,3-b][1,4]benzothiazine skeleton. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 202, 115-121.	2.0	19
41	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
42	The synthesis of novel, visible-wavelength oxidizable polymerization sensitizers based on the 5,12-dihydroquinoxalino[2,3-b]pyridopyrazine skeleton. Dyes and Pigments, 2009, 80, 86-92.	2.0	17
43	The photochemical behaviour of naphthoylenebenzimidazolone dyes in 1-methyl-2-pyrrolidone. Dyes and Pigments, 2009, 82, 238-243.	2.0	3
44	Photoreaction and photopolymerization studies on fluoflavin dyeâ€“pyridinium salt systems. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 60-68.	2.0	29
45	Styryl dyes as new photoinitiators for free radical polymerization. Dyes and Pigments, 2008, 77, 510-514.	2.0	21
46	Study of free radical polymerisation with dye photoinitiators containing a naphthoylenebenzimidazolone skeleton. Coloration Technology, 2008, 124, 79-85.	0.7	12
47	Naphthoylenebenzimidazolone sensitisers for photoâ€oxidisable free radical polymerisation with the aid of pyridinium salts. Coloration Technology, 2008, 124, 341-347.	0.7	11
48	Synthesis and properties of some disazo disperse dyes derivatives of 2-amino-6-phenylazobenzothiazole and 2-amino-6-(4â€²-nitro)-phenylazobenzothiazole. Dyes and Pigments, 2007, 72, 223-227.	2.0	8
49	Electrochemical and photoelectrochemical treatment of C.I. Acid Violet 1. Dyes and Pigments, 2007, 73, 390-393.	2.0	25
50	A specific resistance of aminoazo dyes to the oxidative degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 267-271.	2.0	2
51	Electrochemical and photoelectrochemical degradation of direct dyes. Coloration Technology, 2006, 122, 207-212.	0.7	43
52	The relationship between the electrochemical and photochemical reduction of some azo dyes derived from 2-aminobenzothiazole. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 171, 69-76.	2.0	9
53	Color changes accompanying one-electron reduction and oxidation of the azo dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 163, 373-379.	2.0	15
54	Photostability of a range of azobenzene dyes and their benzothiazolyl analogues in the presence of air. Coloration Technology, 2003, 119, 341-344.	0.7	6

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55	The photostability of some fluorescent disperse dyes derivatives of coumarin. Dyes and Pigments, 2001, 49, 187-191.	2.0	41