Andrzej Marcinek

List of Publications by Year
in descending order

76 papers	1,728 citations	304602 22 h-index	315616 38 g-index
84 all docs	84 docs citations	84 times ranked	1966 citing authors

#	Article	IF	Citations
1	New Approach to Non-Invasive Assessment of Vascular Circulation Based on the Response to Transient Ischemia. Vascular Health and Risk Management, 2022, Volume 18, 113-116.	1.0	8
2	Fluorescent probes for monitoring myeloperoxidase-derived hypochlorous acid: a comparative study. Scientific Reports, 2022, 12, .	1.6	8
3	Assessment of Microcirculatory Status Based on Stimulation of Myogenic Oscillations by Transient Ischemia: From Health to Disease. Vascular Health and Risk Management, 2021, Volume 17, 33-36.	1.0	10
4	A derivative of vitamin B3 applied several days after exposure reduces lethality of severely irradiated mice. Scientific Reports, 2021, 11, 7922.	1.6	3
5	Can efficient stimulation of myogenic microcirculatory oscillations by transient ischemia predict low incidence of COVID-19 infection?. Respiratory Physiology and Neurobiology, 2021, 286, 103618.	0.7	5
6	Differentiation of Diabetic Foot Ulcers Based on Stimulation of Myogenic Oscillations by Transient Ischemia. Vascular Health and Risk Management, 2021, Volume 17, 145-152.	1.0	10
7	Flowmotion Monitored by Flow Mediated Skin Fluorescence (FMSF): A Tool for Characterization of Microcirculatory Status. Frontiers in Physiology, 2020, 11, 702.	1.3	17
8	Can the microcirculatory response to hypoxia be a prognostic factor for Covid-19?. Respiratory Physiology and Neurobiology, 2020, 280, 103478.	0.7	7
9	Oxidation of ethidium-based probes by biological radicals: mechanism, kinetics and implications for the detection of superoxide. Scientific Reports, 2020, 10, 18626.	1.6	14
10	Flow-Mediated Skin Fluorescence (FMSF) Technique for Studying Vascular Complications in Type 2 Diabetes. Journal of Diabetes Science and Technology, 2020, 14, 693-694.	1.3	12
11	4-Methylpseudoproline analogues of cyclolinopeptide A: Synthesis, structural analysis and evaluation of their suppressive effects in selected immunological assays. Peptides, 2020, 132, 170365.	1.2	1
12	Non-invasive evaluation of microcirculation and metabolic regulation using flow mediated skin fluorescence (FMSF): Technical aspects and methodology. Review of Scientific Instruments, 2019, 90, .	0.6	21
13	Flow Mediated Skin Fluorescence technique reveals remarkable effect of age on microcirculation and metabolic regulation in type 1 diabetes. Microvascular Research, 2019, 124, 19-24.	1.1	25
14	Decomposition of Piloty's acid derivatives â€“ Toward the understanding of factors controlling HNO release. Archives of Biochemistry and Biophysics, 2019, 661, 132-144.	1.4	11
15	Fluorescent probes for the detection of nitroxyl (HNO). Free Radical Biology and Medicine, 2018, 128, 69-83.	1.3	29
16	N,N.Nâ€²,Nâ€²-tetramethylhydroethidine (TMHE) - in search for better probes for the detection of superoxide radical anion. Free Radical Biology and Medicine, 2017, 108, S38.	1.3	2
17	The effects of 1,4-dimethylpyridine in metastatic prostate cancer in mice. BMC Cancer, 2017, 17, 177.	1.1	3
18	Note: Flow mediated skin fluorescenceâ€"A novel technique for evaluation of cutaneous microcirculation. Review of Scientific Instruments, 2016, 87, 036111.	0.6	16

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19	Mechanism of oxidative conversion of AmplexÂ® Red to resorufin: Pulse radiolysis and enzymatic studies. Free Radical Biology and Medicine, 2016, 95, 323-332.	1.3	108
20	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.	1.7	37
21	1-methylnicotinamide and its structural analog 1,4-dimethylpyridine for the prevention of cancer metastasis. Journal of Experimental and Clinical Cancer Research, 2016, 35, 110.	3.5	29
22	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.	1.5	54
23	Nitroxyl (HNO) Reacts with Molecular Oxygen and Forms Peroxynitrite at Physiological pH. Journal of Biological Chemistry, 2014, 289, 35570-35581.	1.6	64
24	6-Pyridinium benzo[a]phenazine-5-oxide derivatives as visible photosensitisers for polymerisation. Coloration Technology, 2014, 130, 250-259.	0.7	8
25	Pulse radiolysis and spectrophotometric studies on the binding of organic cations with heparin. Radiation Physics and Chemistry, 2014, 99, 6-11.	1.4	11
26	Real-time Measurements of Amino Acid and Protein Hydroperoxides Using Coumarin Boronic Acid. Journal of Biological Chemistry, 2014, 289, 22536-22553.	1.6	61
27	Antithrombotic Effects of Pyridinium Compounds Formed from Trigonelline upon Coffee Roasting. Journal of Agricultural and Food Chemistry, 2014, 62, 2853-2860.	2.4	31
28	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
29	Naphthoylenebenzimidazolone dyes as electron transfer photosensitizers for iodonium salt induced cationic photopolymerizations. Dyes and Pigments, 2012, 95, 252-259.	2.0	26
30	Dimer Radical Cations of Indole and Indole-3-carbinol: Localized and Delocalized Radical Cations of Diindolylmethane. Journal of Physical Chemistry A, 2011, 115, 7700-7708.	1.1	8
31	Reaction between Peroxynitrite and Boronates: EPR Spin-Trapping, HPLC Analyses, and Quantum Mechanical Study of the Free Radical Pathway. Chemical Research in Toxicology, 2011, 24, 687-697.	1.7	87
32	The Mechanism of the Oxidative Transformation of Boronate Compounds - A Quantum Mechanical Study. Free Radical Biology and Medicine, 2010, 49, S216.	1.3	0
33	Radicals and Radical Ions Derived from Indole, Indole-3-carbinol and Diindolylmethane. Journal of Physical Chemistry A, 2010, 114, 6787-6794.	1.1	16
34	Mechanistic Aspects of Radiation-Induced Oligomerization of 3,4-Ethylenedioxythiophene in Ionic Liquids. Journal of Physical Chemistry A, 2010, 114, 11552-11559.	1.1	7
35	Dihalide and Pseudohalide Radical Anions as Oxidizing Agents in Nonaqueous Solvents. Journal of Physical Chemistry A, 2010, 114, 861-866.	1.1	21
36	Radical scavenging properties of nicotinamide and its metabolites. Radiation Physics and Chemistry, 2008, 77, 259-266.	1.4	9

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37	Zinc-Catalyzed Cycloisomerizations. Synthesis of Substituted Furans and Furopyrimidine Nucleosides. Journal of Organic Chemistry, 2008, 73, 5881-5889.	1.7	56
38	Mechanistic Aspects of the Oxidative and Reductive Fragmentation ofN-Nitrosoamines:Â A New Method for Generating Nitrenium Cations, Amide Anions, and Aminyl Radicals. Journal of the American Chemical Society, 2007, 129, 3211-3217.	6.6	32
39	Disproportionation of Clozapine Radical: A Link between One-Electron Oxidation of Clozapine and Formation of Its Nitrenium Cation. Chemical Research in Toxicology, 2007, 20, 1093-1098.	1.7	20
40	A specific resistance of aminoazo dyes to the oxidative degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 267-271.	2.0	2
41	Radical scavenging and NO-releasing properties of selected Î²-adrenoreceptor antagonists. Free Radical Research, 2006, 40, 741-752.	1.5	16
42	Anthralin:â€‰ Primary Products of Its Redox Reactions. Journal of Organic Chemistry, 2006, 71, 5312-5319.	1.7	18
43	Effect of Heparin on Viologen-Stimulated Enzymatic NADH Depletion. Chemical Research in Toxicology, 2006, 19, 668-673.	1.7	10
44	Mechanistic Aspects of Alloxan Diabetogenic Activity:Â A Key Role of Ketoâ^'Enol Inversion of Dialuric Acid on Ionization. Journal of Physical Chemistry A, 2006, 110, 7272-7278.	1.1	8
45	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
46	Transient Species in the Stepwise Interconversion of NADH and NAD+. ChemInform, 2004, 35, no.	0.1	0
47	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
48	Transient Species in the Stepwise Interconversion of NADH and NAD+. Accounts of Chemical Research, 2004, 37, 379-386.	7.6	148
49	Electrochemical and photochemical reduction of a series of azobenzene dyes in protic and aprotic solvents. Coloration Technology, 2003, 119, 269-274.	0.7	9
50	Benzopinacol Radical Cation. Journal of Physical Chemistry A, 2003, 107, 810-814.	1.1	7
51	Direct Observation of NADH Radical Cation Generated in Reactions with One-Electron Oxidants. Journal of Physical Chemistry A, 2003, 107, 9860-9864.	1.1	30
52	1-Methyl-3-nitropyridine: An Efficient Oxidant of NADH in Non-enzymatic and Enzyme-mediated Processes. Free Radical Research, 2003, 37, 1157-1162.	1.5	6
53	Direct Characterization of Radical Species Generated on One-Electron Oxidation of 3,6-Diamino-10-methylacridan. Journal of Physical Chemistry A, 2001, 105, 875-879.	1.1	7
54	Ionic Liquids:â€‰ Novel Media for Characterization of Radical Ions. Journal of Physical Chemistry A, 2001, 105, 9305-9309.	1.1	101

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55	Electron-Transfer-Induced Tautomerization in Methylindanones:Â Electronic Control of the Tunneling Rate for Enolization. Journal of the American Chemical Society, 2001, 123, 2377-2387.	6.6	11
56	The Radical Cation ofanti-Tricyclooctadiene and Its Rearrangement Products. Chemistry - A European Journal, 2000, 6, 849-857.	1.7	15
57	The Radical Cation ofsyn-Tricyclooctadiene and Its Rearrangement Products. Chemistry - A European Journal, 2000, 6, 858-868.	1.7	11
58	Isomerization of Cubane Radical Cation. Journal of Physical Chemistry A, 2000, 104, 5265-5268.	1.1	5
59	Hydrogen-Transferred Radical Cations of NADH Model Compounds. 1. Spontaneous Tautomerization. Journal of the American Chemical Society, 2000, 122, 437-443.	6.6	42
60	Hydrogen-Transferred Radical Cations of NADH Model Compounds. 2. Sequential Electronâ^'Proton Addition to NAD+. Journal of Physical Chemistry A, 2000, 104, 718-723.	1.1	18
61	Hydrogen-Transferred Radical Cations of NADH Model Compounds. 3. 1,8-Acridinediones. Journal of Physical Chemistry A, 2000, 104, 724-728.	1.1	15
62	Direct Characterization of Hexamethyl(Dewar Benzene) Radical Cation by Electronic Absorption Spectroscopy. Journal of Physical Chemistry A, 1998, 102, 7761-7764.	1.1	9
63	Electron Transfer Chemistry of Psoralen and Coumarin Derivatives by Means of Radiolytic and Electrochemical Experiments. Journal of Physical Chemistry A, 1997, 101, 2124-2130.	1.1	14
64	Sequential Electronâ^'Protonâ^'Electron Transfer in the Radiolytic and Photochemical Oxidation of Thioxanthene and Xanthene. The Journal of Physical Chemistry, 1996, 100, 13539-13543.	2.9	21
65	Structural Aspects and Rearrangement of Radical Cations Generated from NADH Analogues. Journal of the American Chemical Society, 1996, 118, 691-692.	6.6	24
66	Unusually long lifetimes of the singlet nitrenes derived from 4-azido-2,3,5,6-tetrafluorobenzamides. The Journal of Physical Chemistry, 1994, 98, 412-419.	2.9	59
67	Photochemical and radiolytic cleavage of 10-methylacridine dimer in solutions and cryogenic glasses. Journal of Physical Organic Chemistry, 1993, 6, 254-256.	0.9	6
68	Evidence for stepwise nitrogen extrusion and ring expansion upon photolysis of phenyl azide. Journal of the American Chemical Society, 1993, 115, 8609-8612.	6.6	62
69	Deduction of the activation parameters for ring expansion and intersystem crossing in fluorinated singlet phenylnitrenes. The Journal of Physical Chemistry, 1993, 97, 12674-12677.	2.9	32
70	Enolization in radical cations of o-methylacetophenone and related species under cryogenic conditions. Journal of the Chemical Society Perkin Transactions II, 1992, , 1353.	0.9	20
71	Low temperature pulse radiolysis as a method to study fast isomerization processes in molecular cations. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1992, 39, 41-44.	0.0	0
72	Spontaneous hydrogen-atom transfer upon ionization: characterization of enol radical cations. Journal of Molecular Structure, 1992, 275, 249-255.	1.8	17

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73	Electronic absorption spectra of aliphatic diamine radical cations. Conformation-dependent charge delocalization. Journal of Physical Organic Chemistry, 1990, 3, 606-610.	0.9	24
74	Microenvironmental effects in solid-state reactions. Dispersive kinetics of conformation-dependent charge delocalization in aliphatic diamine radical cations. Journal of Physical Organic Chemistry, 1990, 3, 757-759.	0.9	22
75	Valence isomerization of hexamethyl(Dewar benzene) radical cation. Pulse-radiolytic investigation. Journal of the American Chemical Society, 1989, 111, 3098-3099.	6.6	21
76	Vibrational relaxation in pyridineâ€"benzene and cyclohexaneâ€"carbon tetrachloride systems. Chemical Physics Letters, 1984, 108, 245-249.	1.2	4