

Milos Mojovic

List of Publications by Year in descending order

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95
papers

2,352
citations

257450

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233421

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95
all docs

95
docs citations

95
times ranked

4082
citing authors

#	ARTICLE	IF	CITATIONS
1	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	9.0	242
2	Silicon ameliorates manganese toxicity in cucumber by decreasing hydroxyl radical accumulation in the leaf apoplast. <i>Journal of Experimental Botany</i> , 2012, 63, 2411-2420.	4.8	140
3	Anti-cancer effects of cerium oxide nanoparticles and its intracellular redox activity. <i>Chemico-Biological Interactions</i> , 2015, 232, 85-93.	4.0	132
4	Antioxidative mechanisms in chlorogenic acid. <i>Food Chemistry</i> , 2017, 237, 390-398.	8.2	93
5	Spin-trapping of oxygen free radicals in chemical and biological systems: New traps, radicals and possibilities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 1354-1366.	3.9	91
6	Generation of Hydroxyl Radical in Isolated Pea Root Cell Wall, and the Role of Cell Wall-Bound Peroxidase, Mn-SOD and Phenolics in Their Production. <i>Plant and Cell Physiology</i> , 2009, 50, 304-317.	3.1	81
7	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. <i>Free Radical Biology and Medicine</i> , 2016, 90, 114-125.	2.9	72
8	Synthesis and Characterization of Self-Assembled Polyaniline Nanotubes/Silica Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7116-7127.	2.6	71
9	Zinc-induced oxidative stress in <i>Verbascum thapsus</i> L. is caused by an accumulation of reactive oxygen species and quinhydrone in the cell wall. <i>Physiologia Plantarum</i> , 2010, 140, no-no.	5.2	70
10	Chemical composition and biological activity of <i>Gaultheria procumbens</i> L. essential oil. <i>Industrial Crops and Products</i> , 2013, 49, 561-567.	5.2	67
11	New and Highly Potent Antitumor Natural Products from Marine-Derived Fungi: Covering the Period from 2003 to 2012. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 2745-2766.	2.1	67
12	Role of fructose in the adaptation of plants to cold-induced oxidative stress. <i>European Biophysics Journal</i> , 2008, 37, 1241-1246.	2.2	63
13	Evaluation of antioxidant capacity of <i>Allium ursinum</i> L. volatile oil and its effect on membrane fluidity. <i>Food Chemistry</i> , 2008, 107, 1692-1700.	8.2	57
14	Synthesis and Characterization of Conducting Self-Assembled Polyaniline Nanotubes/Zeolite Nanocomposite. <i>Langmuir</i> , 2009, 25, 3122-3131.	3.5	57
15	Relevance of the capacity of phosphorylated fructose to scavenge the hydroxyl radical. <i>Carbohydrate Research</i> , 2009, 344, 80-84.	2.3	52
16	Antiradical activity of delphinidin, pelargonidin and malvin towards hydroxyl and nitric oxide radicals: The energy requirements calculations as a prediction of the possible antiradical mechanisms. <i>Food Chemistry</i> , 2017, 218, 440-446.	8.2	52
17	Oxygen radicals produced by plant plasma membranes: an EPR spin-trap study. <i>Journal of Experimental Botany</i> , 2004, 55, 2523-2531.	4.8	34
18	NO Dismutase Activity of Seven-Coordinate Manganese(II) Pentaazamacrocyclic Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8735-8739.	13.8	32

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19	Properties of Zirconia/Polyaniline hybrid nanocomposites and their application as photocatalysts for degradation of model pollutants. <i>Materials Chemistry and Physics</i> , 2018, 205, 130-137.	4.0	31
20	Oxidation of aniline in dopant-free template-free dilute reaction media. <i>Materials Chemistry and Physics</i> , 2011, 127, 501-510.	4.0	30
21	EPR Spin Trapping of Oxygen Radicals in Plants: A Methodological Overview. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 230-243.	3.8	29
22	Energy requirements of the reactions of kaempferol and selected radical species in different media: towards the prediction of the possible radical scavenging mechanisms. <i>Structural Chemistry</i> , 2014, 25, 1795-1804.	2.0	29
23	Oxygen Centered Radicals in Iodine Chemical Oscillators. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7955-7958.	2.5	28
24	Radicals in the Bray-Liebhafsky Oscillatory Reaction. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3292-3295.	2.5	28
25	Bioavailability and catalytic properties of copper and iron for Fenton chemistry in human cerebrospinal fluid. <i>Redox Report</i> , 2010, 15, 29-35.	4.5	27
26	EPR Spin-Trapping and Spin-Probing Spectroscopy in Assessing Antioxidant Properties: Example on Extracts of Catkin, Leaves, and Spiny Burs of <i>Castanea sativa</i> . <i>Food Biophysics</i> , 2009, 4, 126-133.	3.0	24
27	Effects of Terminal Dimethylation and Metal Coordination of Proline-2-formylpyridine Thiosemicarbazone Hybrids on Lipophilicity, Antiproliferative Activity, and hR2 RNR Inhibition. <i>Inorganic Chemistry</i> , 2014, 53, 12595-12609.	4.0	24
28	The preferred radical scavenging mechanisms of fisetin and baicalein towards oxygen-centred radicals in polar protic and polar aprotic solvents. <i>RSC Advances</i> , 2014, 4, 32228-32236.	3.6	24
29	A joint application of spectroscopic, electrochemical and theoretical approaches in evaluation of the radical scavenging activity of 3-OH flavones and their iron complexes towards different radical species. <i>Dalton Transactions</i> , 2012, 41, 7295.	3.3	21
30	Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. <i>Open Chemistry</i> , 2015, 13, .	1.9	21
31	Bioevaluation of glucose-modified liposomes as a potential drug delivery system for cancer treatment using ¹⁷⁷ Lu radiotracking. <i>Journal of Controlled Release</i> , 2021, 332, 301-311.	9.9	21
32	The role of EPR spectroscopy in studies of the oxidative status of biological systems and the antioxidative properties of various compounds. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 647-677.	0.8	20
33	Binding of Doxyl Stearic Spin Labels to Human Serum Albumin: An EPR Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10898-10905.	2.6	20
34	Variation in Nutritional Quality and Chemical Composition of Fresh Strawberry Fruit: Combined Effect of Cultivar and Storage. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 77-84.	3.2	20
35	Iron-sulfur cluster damage by the superoxide radical in neural tissues of the SOD1G93A ALS rat model. <i>Free Radical Biology and Medicine</i> , 2016, 96, 313-322.	2.9	20
36	Electrophilic characteristics and aqueous behavior of fatty acid nitroalkenes. <i>Redox Biology</i> , 2021, 38, 101756.	9.0	20

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37	Vibrational and electron paramagnetic resonance spectroscopic studies of Fe^{2+} -MnO ₂ and Fe^{3+} -K MnO ₂ nanorods. <i>Journal of Alloys and Compounds</i> , 2017, 728, 259-270.	5.5	18
38	Monosaccharide- H_2O_2 reactions as a source of glycolate and their stimulation by hydroxyl radicals. <i>Carbohydrate Research</i> , 2006, 341, 2360-2369.	2.3	17
39	Nitrate inhibits primary root growth by reducing accumulation of reactive oxygen species in the root tip in <i>Medicago truncatula</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 146, 363-373.	5.8	17
40	Potential role of hydrogen peroxide and melanin in the cold hardiness of <i>Ostrinia nubilalis</i> (Lepidoptera: Pyralidae). <i>European Journal of Entomology</i> , 2009, 106, 451-454.	1.2	17
41	Detection of Oxygen-Centered Radicals Using EPR Spin-Trap DEPMPO: The Effect of Oxygen. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 471-475.	3.8	16
42	Filter strip as a method of choice for apoplastic fluid extraction from maize roots. <i>Plant Science</i> , 2014, 223, 49-58.	3.6	16
43	Lignicolous fungi hydrodistilled extracts may represent a promising source of natural phenolics. <i>Natural Product Research</i> , 2017, 31, 104-107.	1.8	16
44	Redox properties and human serum albumin binding of nitro-oleic acid. <i>Redox Biology</i> , 2019, 24, 101213.	9.0	16
45	Maleimido-proxyl as an EPR spin label for the evaluation of conformational changes of albumin. <i>European Biophysics Journal</i> , 2017, 46, 773-787.	2.2	15
46	A Potential Source of Free Radicals in Iodine-Based Chemical Oscillators. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2247-2249.	2.5	14
47	<i>In vitro</i> anti-hydroxyl radical activity of the fructooligosaccharides kestose and nystose using spectroscopic and computational approaches. <i>International Journal of Food Science and Technology</i> , 2014, 49, 1500-1505.	2.7	13
48	Ascorbic Acid and the Oxidative Processes in Pea Root Cell Wall Isolates: Characterization by Fluorescence and EPR Spectroscopy. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 500-504.	3.8	12
49	Structural, optical and photodegradation properties of pure and Fe-doped titania nanoparticles probed using simulated Solar light. <i>Ceramics International</i> , 2016, 42, 1521-1529.	4.8	12
50	<i>In vivo</i> EPR pharmacokinetic evaluation of the redox status and the blood brain barrier permeability in the SOD1 G93A ALS rat model. <i>Free Radical Biology and Medicine</i> , 2017, 108, 258-269.	2.9	12
51	Electrochemistry and electron paramagnetic resonance spectroscopy of cytochrome c and its heme-disrupted analogs. <i>Bioelectrochemistry</i> , 2018, 119, 136-141.	4.6	12
52	An EPR spin-probe and spin-trap study of the free radicals produced by plant plasma membranes. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 177-186.	0.8	12
53	Liposomal integration method for assessing antioxidative activity of water insoluble compounds towards biologically relevant free radicals: example of avarol. <i>Journal of Liposome Research</i> , 2020, 30, 218-226.	3.3	11
54	Bifunctional catalytic activity of $\text{Zn}_x\text{Fe}_x\text{O}$ toward the OER/ORR: seeking an optimal stoichiometry. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22078-22095.	2.8	11

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55	Raman microspectroscopy as a biomarking tool for in vitro diagnosis of cancer: a feasibility study. Croatian Medical Journal, 2012, 53, 551-551.	0.7	10
56	Free Radicals Identification from the Complex EPR Signals by Applying Higher Order Statistics. Analytical Chemistry, 2012, 84, 3398-3402.	6.5	10
57	Formation of stable radicals in catechin/nitrous acid systems: Participation of dinitrosocatechin. Food Chemistry, 2016, 194, 1116-1122.	8.2	10
58	Novel and highly potent antitumour natural products from cnidarians of marine origin. Natural Product Research, 2014, 28, 2237-2244.	1.8	9
59	Electrochemical activity of iron in acid treated bentonite and influence of added nickel. Applied Surface Science, 2015, 353, 1037-1045.	6.1	9
60	Effect of Fe ³⁺ ion doping on photocatalytic ability of nanozirconia ceramic to degrade 2, 4, 6-trichlorophenol. Ceramics International, 2020, 46, 6820-6827.	4.8	9
61	Investigation of the Halogenate-Hydrogen Peroxide Reactions Using the Electron Paramagnetic Resonance Spin Trapping Technique. Journal of Physical Chemistry A, 2017, 121, 3207-3212.	2.5	8
62	Magnetite nanoparticles-catalysed synthesis of conductive polyaniline. Synthetic Metals, 2019, 257, 116174.	3.9	8
63	Graphene quantum dot antioxidant and proautophagic actions protect SH-SY5Y neuroblastoma cells from oxidative stress-mediated apoptotic death. Free Radical Biology and Medicine, 2021, 177, 167-180.	2.9	8
64	Chemical oxidative polymerization of ethacridine. Reactive and Functional Polymers, 2012, 72, 25-35.	4.1	7
65	Characterization and electrochemical properties of organomodified and corresponding derived carbonized clay. Electrochimica Acta, 2019, 296, 387-396.	5.2	7
66	Detection of Hydrogen Atom Adduct of Spin-Trap DEPMPO. The Relevance for Studies of Biological Systems. Journal of Chemical Information and Modeling, 2005, 45, 1716-1718.	5.4	6
67	Determination of anisomycin in tissues and serum by LC-MS/MS: application to pharmacokinetic and distribution studies in rats. RSC Advances, 2016, 6, 92479-92489.	3.6	6
68	Development of an Analytical Assay for Electrochemical Detection and Quantification of Protein-Bound 3-Nitrotyrosine in Biological Samples and Comparison with Classical, Antibody-Based Methods. Antioxidants, 2020, 9, 388.	5.1	6
69	Ruthenium containing perovskites as electrode materials for 4-nitrophenol detection. Journal of Physics and Chemistry of Solids, 2021, 148, 109649.	4.0	6
70	Nonenzymatic Reaction of Dihydroxyacetone with Hydrogen Peroxide Enhanced via a Fenton Reaction. Annals of the New York Academy of Sciences, 2005, 1048, 461-465.	3.8	5
71	HYDROGEN PEROXIDE AND ECDYSONE IN THE CRYOPROTECTIVE DEHYDRATION STRATEGY OF <i>Megaphorura Arctica</i> (ONYCHIURIDAE: COLLEMBOLA). Archives of Insect Biochemistry and Physiology, 2013, 82, 59-70.	1.5	5
72	Changes of the peripheral blood mononuclear cells membrane fluidity from type 1 Gaucher disease patients: an electron paramagnetic resonance study. Biological Chemistry, 2018, 399, 447-452.	2.5	5

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73	Biocompatibility of TiO ₂ prolate nanospheroids as a potential photosensitizer in therapy of cancer. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	5
74	Superoxide Anion Radical Production in the Tardigrade <i>Paramacrobiotus richtersi</i> , the First Electron Paramagnetic Resonance Spin-Trapping Study. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 451-454.	1.5	4
75	Electrochemical behavior of immobilized hemoglobin in alkaline solution. <i>Applied Surface Science</i> , 2017, 400, 347-354.	6.1	4
76	Nickel oxide on mechanochemically synthesized TiO ₂ @CeO ₂ : photocatalytic and electrochemical activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 1097-1110.	1.7	4
77	A bryozoan species may offer novel antioxidants with anti-carbon-dioxide anion radical activity. <i>Natural Product Research</i> , 2014, 28, 2057-2060.	1.8	3
78	Antioxidant volatiles of the freshwater bryozoan <i>Hyalinella punctata</i> . <i>Natural Product Research</i> , 2014, 28, 1471-1475.	1.8	3
79	In Vivo/Ex Vivo EPR Investigation of the Brain Redox Status and Blood-Brain Barrier Integrity in the 5xFAD Mouse Model of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2021, 18, 25-34.	1.4	3
80	Spatial distribution of apoplastic antioxidative constituents in maize root. <i>Physiologia Plantarum</i> , 2021, 173, 818-828.	5.2	3
81	Controlled killing of human cervical cancer cells by combined action of blue light and C-doped TiO ₂ nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1087-1098.	2.9	3
82	Electrochemical and structural properties of Ni(II)-alumina composites as an annealing temperature function. <i>Science of Sintering</i> , 2019, 51, 339-351.	1.4	3
83	Paramagnetic pillared bentonites as the new digestive tract MRI contrast agents. <i>Applied Clay Science</i> , 2010, 48, 191-194.	5.2	2
84	Further in vitro Evaluation of Antiradical Activity of the Moss <i>Rhodobryum ontariense</i> Tea Using EPR and Fluorescence Spectroscopy. <i>Cryptogamie, Bryologie</i> , 2014, 35, 173-179.	0.2	2
85	Redox properties of grape wine skin extracts from the Åumadija region: An electron paramagnetic resonance study. <i>Hospital Pharmacology</i> , 2021, 8, 1004-1013.	0.3	2
86	Silicon facilitates manganese phytoextraction by cucumber (<i>Cucumis sativus</i> L.). <i>Materials Protection</i> , 2016, 57, 424-429.	0.9	2
87	THE PARAMAGNETIC PILLARED BENTONITES AS DIGESTIVE TRACT MRI CONTRAST AGENTS. <i>International Journal of Modern Physics B</i> , 2010, 24, 780-787.	2.0	1
88	Increased survival after irradiation followed by regeneration of bone marrow stromal cells with a novel thiol-based radioprotector. <i>Croatian Medical Journal</i> , 2014, 55, 45-49.	0.7	1
89	Electrochemical and spectroscopic study of l-dopa interaction with avarol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 219-229.	1.7	1
90	Magnetite nanoparticles-catalyzed synthesis of conductive poly(p-aminodiphenylamine). <i>Synthetic Metals</i> , 2020, 269, 116577.	3.9	1

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91	Sunshine hours and utilization of benzodiazepines. Hospital Pharmacology, 2021, 8, 1032-1040.	0.3	1
92	EPR study of the production of OH radicals in aqueous solutions of uranium irradiated by ultraviolet light. Journal of the Serbian Chemical Society, 2009, 74, 651-661.	0.8	1
93	Lignin and organic free radicals in maize (Zea mays L.) seeds in response to aflatoxin B ₁ contamination. An optical and EPR spectroscopic study. Journal of the Science of Food and Agriculture, 2021, , .	3.5	1
94	Benzodiazepines consumptions: Influence on traffic accidents. Hospital Pharmacology, 2021, 8, 1073-1082.	0.3	1
95	Lanthanide doped alkaline metal sulphates as candidates for EPR dosimetry. Journal of the Serbian Chemical Society, 2000, 65, 743-754.	0.8	0