

Ana D PopoviÄ-BijeliÄ

List of Publications by Year in descending order

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47
papers

922
citations

535685

17
h-index

536525

29
g-index

47
all docs

47
docs citations

47
times ranked

1743
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Fixed-Dose Combination of Three Antihypertensive Drugs by a Green and Quality by Design Approach. <i>Journal of Chromatographic Science</i> , 2023, 61, 256-268.	0.7	0
2	The Release of a Highly Cytotoxic Paullone Bearing a TEMPO Free Radical from the HSA Hydrogel: An EPR Spectroscopic Characterization. <i>Pharmaceutics</i> , 2022, 14, 1174.	2.0	2
3	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.	0.7	3
4	Coumarin-Based Triapine Derivatives and Their Copper(II) Complexes: Synthesis, Cytotoxicity and mR2 RNR Inhibition Activity. <i>Biomolecules</i> , 2021, 11, 862.	1.8	8
5	A novel methodology for hydrogel water content determination by EPR: The basis for real-time monitoring of controlled drug release and hydrogel swelling and degradation. <i>Polymer Testing</i> , 2021, 98, 107187.	2.3	8
6	Triapine Analogues and Their Copper(II) Complexes: Synthesis, Characterization, Solution Speciation, Redox Activity, Cytotoxicity, and mR2 RNR Inhibition. <i>Inorganic Chemistry</i> , 2021, 60, 11297-11319.	1.9	10
7	Facile Synthesis of L-Cysteine Functionalized Graphene Quantum Dots as a Bioimaging and Photosensitive Agent. <i>Nanomaterials</i> , 2021, 11, 1879.	1.9	12
8	Magnetically induced controlled release from glucose-modified liposomes loaded with Fe ₃ O ₄ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	1
9	Spin-labeled hydrogels for cell viability assessment by EPR. <i>Free Radical Biology and Medicine</i> , 2021, 177, S76.	1.3	1
10	Triapine Derivatives Act as Copper Delivery Vehicles to Induce Deadly Metal Overload in Cancer Cells. <i>Biomolecules</i> , 2020, 10, 1336.	1.8	12
11	New Water-Soluble Copper(II) Complexes with Morpholine- α -Thiosemicarbazone Hybrids: Insights into the Anticancer and Antibacterial Mode of Action. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 512-530.	2.9	91
12	Changes of the peripheral blood mononuclear cells membrane fluidity from type 1 Gaucher disease patients: an electron paramagnetic resonance study. <i>Biological Chemistry</i> , 2018, 399, 447-452.	1.2	5
13	Coordinate and redox interactions of epinephrine with ferric and ferrous iron at physiological pH. <i>Scientific Reports</i> , 2018, 8, 3530.	1.6	13
14	Coordination and redox interactions of β -lactam antibiotics with Cu ²⁺ in physiological settings and the impact on antibacterial activity. <i>Free Radical Biology and Medicine</i> , 2018, 129, 279-285.	1.3	11
15	Anti-cancer effects of wedelolactone: interactions with copper and subcellular localization. <i>Metallomics</i> , 2018, 10, 1524-1531.	1.0	5
16	Investigation of the Halogenate- α -Hydrogen Peroxide Reactions Using the Electron Paramagnetic Resonance Spin Trapping Technique. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3207-3212.	1.1	8
17	In vivo 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.	1.3	12
18	Mechanisms of redox interactions of bilirubin with copper and the effects of penicillamine. <i>Chemico-Biological Interactions</i> , 2017, 278, 129-134.	1.7	4

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19	Maleimido-proxyl as an EPR spin label for the evaluation of conformational changes of albumin. <i>European Biophysics Journal</i> , 2017, 46, 773-787.	1.2	15
20	Investigation of the binding of cis/trans-[MCl ₄ (1H-indazole)(NO)] ⁻ (M = Ru, Os) complexes to human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2016, 159, 37-44.	1.5	12
21	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.	1.3	20
22	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. <i>Free Radical Biology and Medicine</i> , 2016, 90, 114-125.	1.3	72
23	Photo-redox reactions of indole and ferric iron in water. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 174-180.	10.8	6
24	Formation of stable radicals in catechin/nitrous acid systems: Participation of dinitrosocatechin. <i>Food Chemistry</i> , 2016, 194, 1116-1122.	4.2	10
25	Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. <i>Open Chemistry</i> , 2015, 13, .	1.0	21
26	Reactions of superoxide dismutases with HS ⁻ /H ₂ S and superoxide radical anion: An <i>in vitro</i> EPR study. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 51, 19-23.	1.2	7
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.	1.9	24
28	Electronic Structural Flexibility of Heterobimetallic Mn/Fe Cofactors: R2lox and R2c Proteins. <i>Journal of the American Chemical Society</i> , 2014, 136, 13399-13409.	6.6	37
29	Binding of Doxyl Stearic Spin Labels to Human Serum Albumin: An EPR Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10898-10905.	1.2	20
30	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.	1.0	29
31	A highly cytotoxic modified paullone ligand bearing a TEMPO free-radical unit and its copper(ii) complex as potential hR2 RNR inhibitors. <i>Chemical Communications</i> , 2013, 49, 10007.	2.2	18
32	Radicals in the Bray-Liebhafsky Oscillatory Reaction. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3292-3295.	1.1	28
33	Rapid X-ray Photoreduction of Dimetal-Oxygen Cofactors in Ribonucleotide Reductase. <i>Journal of Biological Chemistry</i> , 2013, 288, 9648-9661.	1.6	30
34	Raman microspectroscopy as a biomarking tool for in vitro diagnosis of cancer: a feasibility study. <i>Croatian Medical Journal</i> , 2012, 53, 551-551.	0.2	10
35	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.	1.6	21
36	The Manganese Ion of the Heterodinuclear Mn/Fe Cofactor in <i>Chlamydia trachomatis</i> Ribonucleotide Reductase R2c Is Located at Metal Position 1. <i>Journal of the American Chemical Society</i> , 2012, 134, 123-125.	6.6	30

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37	High-valent [MnFe] and [FeFe] cofactors in ribonucleotide reductases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 430-444.	0.5	14
38	Oxygen Centered Radicals in Iodine Chemical Oscillators. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7955-7958.	1.1	28
39	A Potential Source of Free Radicals in Iodine-Based Chemical Oscillators. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2247-2249.	1.1	14
40	Ribonucleotide reductase inhibition by metal complexes of Triapine (3-aminopyridine-2-carboxaldehyde) Tj ETQq0 0 0 rgBT /Overlock 10 <i>Biochemistry</i> , 2011, 105, 1422-1431.	1.5	105
41	Inhibition of chlamydial class Ic ribonucleotide reductase by C-terminal peptides from protein R2. <i>Journal of Peptide Science</i> , 2011, 17, 756-762.	0.8	1
42	Ribonucleotide Reductase as One Important Target of [Tris(1,10-phenanthroline)lanthanum(III)] Trithiocyanate (KP772). <i>Current Cancer Drug Targets</i> , 2009, 9, 595-607.	0.8	21
43	Metal Binding and Activity of Ribonucleotide Reductase Protein R2 Mutants: Conditions for Formation of the Mixed Manganese-Iron Cofactor. <i>Biochemistry</i> , 2009, 48, 6532-6539.	1.2	12
44	Temperature dependence of oxygen evolution through catalase-like activity of horseradish peroxidase. <i>Russian Journal of Physical Chemistry A</i> , 2007, 81, 1371-1373.	0.1	2
45	Numerically Simulated pH-Induced Reactivation of Catalytic Activity of Horseradish Peroxidase. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 457-460.	1.8	2
46	Multi-Field Surface Electrode for Selective Electrical Stimulation. <i>Artificial Organs</i> , 2005, 29, 448-452.	1.0	88
47	E Actitrode: The new selective stimulation interface for functional movements in hemiplegics patients. <i>Serbian Journal of Electrical Engineering</i> , 2004, 1, 21-28.	0.2	19