

Ivan SpasojeviÄ

List of Publications by Year in descending order

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83
papers

2,335
citations

218677

26
h-index

233421

45
g-index

83
all docs

83
docs citations

83
times ranked

4337
citing authors

#	ARTICLE	IF	CITATIONS
1	A Redoxable Mn Porphyrin, MnTnBuOE-2-PyP5+, Synergizes with Carboplatin in Treatment of Chemoresistant Ovarian Cell Line. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	4.0	5
2	Genetically Engineered Nanoparticles of Asymmetric Triblock Polypeptide with a Platinum(IV) Cargo Outperforms a Platinum(II) Analog and Free Drug in a Murine Cancer Model. <i>Nano Letters</i> , 2022, 22, 5898-5908.	9.1	4
3	Regional distribution of cytochrome c oxidase activity and copper in sclerotic hippocampi of epilepsy patients. <i>Brain and Behavior</i> , 2021, 11, e01986.	2.2	3
4	25 years of development of Mn porphyrins “ from mimics of superoxide dismutase enzymes to thiol signaling to clinical trials: The story of our life in the USA. , 2021, , 197-206.		0
5	H2O2-Driven Anticancer Activity of Mn Porphyrins and the Underlying Molecular Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-23.	4.0	30
6	Increasing O-GlcNAcylation is neuroprotective in young and aged brains after ischemic stroke. <i>Experimental Neurology</i> , 2021, 339, 113646.	4.1	24
7	A Pilot Study of Associations Between Visceral Fat, IL-6, and Urinary F2-Isoprostanes in Older Adults Exposed to a Diet Intervention. <i>Current Developments in Nutrition</i> , 2021, 5, nzab082.	0.3	1
8	ENTPD1 (CD39) Expression Inhibits UVR-Induced DNA Damage Repair through Purinergic Signaling and Is Associated with Metastasis in Human Cutaneous Squamous Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2509-2520.	0.7	10
9	The effects of ionizing radiation on the structure and antioxidative and metal-binding capacity of the cell wall of microalga <i>Chlorella sorokiniana</i> . <i>Chemosphere</i> , 2020, 260, 127553.	8.2	5
10	Safety and efficacy of intravesical chemotherapy and hyperthermia in the bladder: results of a porcine study. <i>International Journal of Hyperthermia</i> , 2020, 37, 854-860.	2.5	17
11	Fe Porphyrin-Based SOD Mimic and Redox-Active Compound, (OH)FeTnHex-2-PyP4+, in a Rodent Ischemic Stroke (MCAO) Model: Efficacy and Pharmacokinetics as Compared to Its Mn Analogue, (H2O)MnTnHex-2-PyP5+. <i>Antioxidants</i> , 2020, 9, 467.	5.1	8
12	Oxidative status of maternal blood in pregnancies burdened by inherited thrombophilias. <i>PLoS ONE</i> , 2020, 15, e0234253.	2.5	3
13	Ferrous iron binding to epinephrine promotes the oxidation of iron and impedes activation of adrenergic receptors. <i>Free Radical Biology and Medicine</i> , 2020, 148, 123-127.	2.9	1
14	Mechanisms of detoxification of high copper concentrations by the microalga <i>Chlorella sorokiniana</i> . <i>Biochemical Journal</i> , 2020, 477, 3729-3741.	3.7	8
15	Efficacy of osimertinib against EGFRVIII+ glioblastoma. <i>Oncotarget</i> , 2020, 11, 2074-2082.	1.8	37
16	Disrupting the vicious cycle created by NOX activation in sickle erythrocytes exposed to hypoxia/reoxygenation prevents adhesion and vasoocclusion. <i>Redox Biology</i> , 2019, 25, 101097.	9.0	16
17	Biliverdin“copper complex at physiological pH. <i>Dalton Transactions</i> , 2019, 48, 6061-6070.	3.3	10
18	The conformation of biliverdin in dimethyl sulfoxide: implications for the coordination with copper. <i>Structural Chemistry</i> , 2019, 30, 2159-2166.	2.0	1

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19	Radiation-Mediated Tumor Growth Inhibition Is Significantly Enhanced with Redox-Active Compounds That Cycle with Ascorbate. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1196-1214.	5.4	30
20	Effects of 2 years of caloric restriction on oxidative status assessed by urinary F ₂ -isoprostanes: The CALERIE 2 randomized clinical trial. <i>Aging Cell</i> , 2018, 17, e12719.	6.7	65
21	Coordinate and redox interactions of epinephrine with ferric and ferrous iron at physiological pH. <i>Scientific Reports</i> , 2018, 8, 3530.	3.3	13
22	Adaptive Evolution of the GDH2 Allosteric Domain Promotes Gliomagenesis by Resolving IDH1R132H-Induced Metabolic Liabilities. <i>Cancer Research</i> , 2018, 78, 36-50.	0.9	35
23	Can Oxidation/Reduction Potential of Cerebrospinal Fluid Be a Monitoring Biomarker in Amyotrophic Lateral Sclerosis?. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1570-1575.	5.4	7
24	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.	2.9	11
25	Anti-cancer effects of wedelolactone: interactions with copper and subcellular localization. <i>Metallomics</i> , 2018, 10, 1524-1531.	2.4	5
26	Identification of DK419, a potent inhibitor of Wnt/ β -catenin signaling and colorectal cancer growth. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5435-5442.	3.0	10
27	Mn Porphyrin-Based Redox-Active Drugs: Differential Effects as Cancer Therapeutics and Protectors of Normal Tissue Against Oxidative Injury. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1691-1724.	5.4	102
28	A Testosterone Metabolite 19-Hydroxyandrostenedione Induces Neuroendocrine Trans-Differentiation of Prostate Cancer Cells via an Ectopic Olfactory Receptor. <i>Frontiers in Oncology</i> , 2018, 8, 162.	2.8	41
29	A One-Step Staining Protocol for In-Gel Fluorescent Visualization of Proteins. <i>Methods in Molecular Biology</i> , 2018, 1853, 149-158.	0.9	0
30	The conformation of epinephrine in polar solvents: an NMR study. <i>Structural Chemistry</i> , 2018, 29, 1533-1541.	2.0	5
31	Metal maps of sclerotic hippocampi of patients with mesial temporal lobe epilepsy. <i>Metallomics</i> , 2017, 9, 141-148.	2.4	4
32	Challenges encountered during development of Mn porphyrin-based, potent redox-active drug and superoxide dismutase mimic, MnTnBuOE-2-PyP5+, and its alkoxyalkyl analogues. <i>Journal of Inorganic Biochemistry</i> , 2017, 169, 50-60.	3.5	18
33	Mutant IDH1 Disrupts the Mouse Subventricular Zone and Alters Brain Tumor Progression. <i>Molecular Cancer Research</i> , 2017, 15, 507-520.	3.4	41
34	CNS bioavailability and radiation protection of normal hippocampal neurogenesis by a lipophilic Mn porphyrin-based superoxide dismutase mimic, MnTnBuOE-2-PyP5+. <i>Redox Biology</i> , 2017, 12, 864-871.	9.0	32
35	Urinary F ₂ -isoprostanes and the risk of hypertension. <i>Annals of Epidemiology</i> , 2017, 27, 391-396.	1.9	10
36	Mechanisms of redox interactions of bilirubin with copper and the effects of penicillamine. <i>Chemico-Biological Interactions</i> , 2017, 278, 129-134.	4.0	4

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37	Apple pectin-derived oligosaccharides produce carbon dioxide radical anion in Fenton reaction and prevent growth of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Food Research International</i> , 2017, 100, 132-136.	6.2	13
38	Wedelolactone Acts as Proteasome Inhibitor in Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 729.	4.1	25
39	Mitochondria-Targeted Antioxidants: Future Perspectives in Kidney Ischemia Reperfusion Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	4.0	90
40	Antioxidative Activity of Colostrum and Human Milk. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 62, 901-906.	1.8	34
41	Opinion on Schmidt et al.. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 518-524.	5.4	4
42	What if cell culture media do not mimic <i>in vivo</i> redox settings?. <i>Redox Report</i> , 2016, 21, 127-129.	4.5	10
43	A mouse-human phase 1 co-clinical trial of a protease-activated fluorescent probe for imaging cancer. <i>Science Translational Medicine</i> , 2016, 8, 320ra4.	12.4	224
44	Urinary F2-Isoprostanes and Metabolic Markers of Fat Oxidation. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-5.	4.0	7
45	Anticancer therapeutic potential of Mn porphyrin/ascorbate system. <i>Free Radical Biology and Medicine</i> , 2015, 89, 1231-1247.	2.9	56
46	Structure-activity studies of Wnt/ β -catenin inhibition in the Niclosamide chemotype: Identification of derivatives with improved drug exposure. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5829-5838.	3.0	60
47	A paclitaxel-loaded recombinant polypeptide nanoparticle outperforms Abraxane in multiple murine cancer models. <i>Nature Communications</i> , 2015, 6, 7939.	12.8	173
48	A comprehensive evaluation of catalase-like activity of different classes of redox-active therapeutics. <i>Free Radical Biology and Medicine</i> , 2015, 86, 308-321.	2.9	71
49	The role of autophagy and lipolysis in survival of astrocytes under nutrient deprivation. <i>Neuroscience Letters</i> , 2015, 595, 128-133.	2.1	10
50	Comparative analysis of antioxidative systems in malignant and benign brain tumours. <i>Redox Report</i> , 2015, 20, 69-74.	4.5	4
51	A Comparative Analysis of Multiple Sclerosis-Relevant Anti-Inflammatory Properties of Ethyl Pyruvate and Dimethyl Fumarate. <i>Journal of Immunology</i> , 2015, 194, 2493-2503.	0.8	38
52	The Relationship of Physicochemical Properties to the Antioxidative Activity of Free Amino Acids in Fenton System. <i>Environmental Science & Technology</i> , 2015, 49, 4245-4254.	10.0	17
53	A method for in-gel fluorescent visualization of proteins after native and sodium dodecyl sulfate polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2015, 480, 6-10.	2.4	4
54	Hippocampal antioxidative system in mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2015, 56, 789-799.	5.1	24

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55	Reactions of superoxide dismutases with HS ⁻ /H ₂ S and superoxide radical anion: An in vitro EPR study. Nitric Oxide - Biology and Chemistry, 2015, 51, 19-23.	2.7	7
56	A High-Throughput In Vitro Drug Screen in a Genetically Engineered Mouse Model of Diffuse Intrinsic Pontine Glioma Identifies BMS-754807 as a Promising Therapeutic Agent. PLoS ONE, 2015, 10, e0118926.	2.5	57
57	Antioxidative system in the erythrocytes of preterm neonates with sepsis: the effects of vitamin E supplementation. Annals of Clinical Biochemistry, 2014, 51, 550-556.	1.6	6
58	Metals and electrolytes in sclerotic hippocampi in patients with drug-resistant mesial temporal lobe epilepsy. Epilepsia, 2014, 55, e34-e37.	5.1	10
59	Comparison of the effects of methanethiol and sodium sulphide on uterine contractile activity. Pharmacological Reports, 2014, 66, 373-379.	3.3	15
60	Extracellular iron diminishes anticancer effects of vitamin C: An in vitro study. Scientific Reports, 2014, 4, 5955.	3.3	50
61	Differences in direct pharmacologic effects and antioxidative properties of mature breast milk and infant formulas. Nutrition, 2013, 29, 431-435.	2.4	18
62	Multiple Sclerosis: Molecular Mechanisms and Therapeutic Opportunities. Antioxidants and Redox Signaling, 2013, 19, 2286-2334.	5.4	96
63	Converting low dose radiation to redox signaling. Plant Signaling and Behavior, 2013, 8, e23151.	2.4	2
64	Fluctuating vs. Continuous Exposure to H ₂ O ₂ : The Effects on Mitochondrial Membrane Potential, Intracellular Calcium, and NF- κ B in Astroglia. PLoS ONE, 2013, 8, e76383.	2.5	21
65	UV-irradiation provokes generation of superoxide on cell wall polygalacturonic acid. Physiologia Plantarum, 2013, 148, 574-581.	5.2	10
66	The Effect of Alcohols on Red Blood Cell Mechanical Properties and Membrane Fluidity Depends on Their Molecular Size. PLoS ONE, 2013, 8, e76579.	2.5	42
67	Hydrogen Peroxide in Adaptation. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-4.	4.0	12
68	Ante- and postpartum redox status of blood in women with inherited thrombophilia treated with heparin. Thrombosis Research, 2012, 130, 826-829.	1.7	3
69	Inappropriately chelated iron in the cerebrospinal fluid of amyotrophic lateral sclerosis patients. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 357-362.	2.1	26
70	The reaction of methionine with hydroxyl radical: reactive intermediates and methanethiol production. Amino Acids, 2012, 42, 2439-2445.	2.7	12
71	UV-irradiation provokes generation of superoxide on cell wall polygalacturonic acid. Physiologia Plantarum, 2012, , n/a-n/a.	5.2	18
72	Free radicals and antioxidants at a glance using EPR spectroscopy. Critical Reviews in Clinical Laboratory Sciences, 2011, 48, 114-142.	6.1	50

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73	A comparative study of antioxidative activities of cell-wall polysaccharides. Carbohydrate Research, 2011, 346, 2255-2259.	2.3	44
74	Relevance of the ability of fructose 1,6-bis(phosphate) to sequester ferrous but not ferric ions. Carbohydrate Research, 2011, 346, 416-420.	2.3	18
75	Electron Paramagnetic Resonance - A Powerful Tool of Medical Biochemistry in Discovering Mechanisms of Disease and Treatment Prospects. Journal of Medical Biochemistry, 2010, 29, 175-188.	1.7	15
76	Bioavailability and catalytic properties of copper and iron for Fenton chemistry in human cerebrospinal fluid. Redox Report, 2010, 15, 29-35.	4.5	27
77	Different roles of radical scavengers â€“ ascorbate and urate in the cerebrospinal fluid of amyotrophic lateral sclerosis patients. Redox Report, 2010, 15, 81-86.	4.5	19
78	The potential physiological implications of polygalacturonic acid-mediated production of superoxide. Plant Signaling and Behavior, 2010, 5, 1525-1529.	2.4	7
79	Antioxidative Defense Enzymes in Placenta Protect Placenta and Fetus in Inherited Thrombophilia from Hydrogen Peroxide. Oxidative Medicine and Cellular Longevity, 2009, 2, 14-18.	4.0	17
80	Relevance of the capacity of phosphorylated fructose to scavenge the hydroxyl radical. Carbohydrate Research, 2009, 344, 80-84.	2.3	52
81	Spin-trapping of oxygen free radicals in chemical and biological systems: New traps, radicals and possibilities. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1354-1366.	3.9	91
82	Manganese(III) Biliverdin IX Dimethyl Ester:â€” A Powerful Catalytic Scavenger of Superoxide Employing the Mn(III)/Mn(IV) Redox Couple. Inorganic Chemistry, 2001, 40, 726-739.	4.0	110
83	Integrative concept of homeostasis: translating physiology into medicine. F1000Research, 0, 3, 299.	1.6	0