

Klaudia Jomova

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,464
citations

279798

23
h-index

168389

53
g-index

58
all docs

58
docs citations

58
times ranked

12475
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate removal from aqueous solution by way of adsorption on modified sheep wool. <i>Surface Innovations</i> , 2022, 10, 68-75.	2.3	3
2	The effect of Luteolin on DNA damage mediated by a copper catalyzed Fenton reaction. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111635.	3.5	19
3	Analysis of Natural Materials's™ Adsorption Efficiency Relating Co(II) Using Atomic Absorption Spectroscopy: Laboratory Experiment. <i>Journal of Chemical Education</i> , 2021, 98, 626-632.	2.3	0
4	Antioxidant vs. Prooxidant Properties of the Flavonoid, Kaempferol, in the Presence of Cu(II) Ions: A ROS-Scavenging Activity, Fenton Reaction and DNA Damage Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1619.	4.1	65
5	Testing of electron beam irradiated sheep wool for adsorption of Cr(III) and Co(II) of higher concentrations. <i>Polymer Testing</i> , 2021, 99, 107191.	4.8	9
6	Sheep Wool Humidity under Electron Irradiation Affects Wool Sorptivity towards Co(II) Ions. <i>Molecules</i> , 2021, 26, 5206.	3.8	3
7	Formation of supramolecular hydrogen-bonding chains and networks from copper (II) halogenobenzoates with N-methylnicotinamide: Supramolecular isomerism. <i>Polyhedron</i> , 2020, 175, 114237.	2.2	3
8	Radiation-modified wool for adsorption of redox metals and potentially for nanoparticles. <i>Nanotechnology Reviews</i> , 2020, 9, 1017-1026.	5.8	7
9	Antimicrobial and antifungal activities of bifunctional cooper(ii) complexes with non-steroidal anti-inflammatory drugs, flufenamic, mefenamic and tolfenamic acids and 1,10-phenanthroline. <i>Open Chemistry</i> , 2020, 18, 1444-1451.	1.9	6
10	Role of Post-Exposure Time in Co(II) Sorption of Higher Concentrations on Electron Irradiated Sheep Wool. <i>Molecules</i> , 2019, 24, 2639.	3.8	7
11	Management of oxidative stress and other pathologies in Alzheimer's™ disease. <i>Archives of Toxicology</i> , 2019, 93, 2491-2513.	4.2	172
12	Redox-cycling and intercalating properties of novel mixed copper(II) complexes with non-steroidal anti-inflammatory drugs tolfenamic, mefenamic and flufenamic acids and phenanthroline functionality: Structure, SOD-mimetic activity, interaction with albumin, DNA damage study and anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2019, 194, 97-113.	3.5	62
13	Some Properties of Electron Beam-Irradiated Sheep Wool Linked to Cr(III) Sorption. <i>Molecules</i> , 2019, 24, 4401.	3.8	11
14	A Switch between Antioxidant and Prooxidant Properties of the Phenolic Compounds Myricetin, Morin, 3,4-Dihydroxyflavone, Taxifolin and 4-Hydroxy-Coumarin in the Presence of Copper(II) Ions: A Spectroscopic, Absorption Titration and DNA Damage Study. <i>Molecules</i> , 2019, 24, 4335.	3.8	104
15	Scouring Test of Sheep Wool Intended for Sorption. <i>Fibres and Textiles in Eastern Europe</i> , 2019, 27, 24-29.	0.5	4
16	Electron beam irradiated sheep wool – Prospective sorbent for heavy metals in wastewater. <i>Separation and Purification Technology</i> , 2018, 193, 345-350.	7.9	27
17	Effect of drying methods on the content of natural pigments and antioxidant capacity in extracts from medicinal plants: a spectroscopic study. <i>Chemical Papers</i> , 2017, 71, 1993-2002.	2.2	11
18	Targeting Free Radicals in Oxidative Stress-Related Human Diseases. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 592-607.	8.7	781

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19	Crosslinking of polyamide-6 initiated by proton beam irradiation. <i>Radiation Physics and Chemistry</i> , 2017, 133, 52-57.	2.8	14
20	Protective role of quercetin against copper(II)-induced oxidative stress: A spectroscopic, theoretical and DNA damage study. <i>Food and Chemical Toxicology</i> , 2017, 110, 340-350.	3.6	55
21	The effect of gamma irradiation in air and inert atmosphere on structure and properties of unfilled or glass fibre-reinforced polyamide 6. <i>Polymer Bulletin</i> , 2016, 73, 1775-1794.	3.3	9
22	Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 52-62.	3.5	63
23	Chelators in Iron and Copper Toxicity. <i>Current Pharmacology Reports</i> , 2016, 2, 271-280.	3.0	34
24	Sorption properties of sheep wool irradiated by accelerated electron beam. <i>Chemical Papers</i> , 2016, 70, .	2.2	12
25	Redox- and non-redox-metal-induced formation of free radicals and their role in human disease. <i>Archives of Toxicology</i> , 2016, 90, 1-37.	4.2	730
26	Synthesis, Crystal Structure, Spectroscopic Properties and Potential Biological Activities of Salicylate-Neocuproine Ternary Copper(II) Complexes. <i>Molecules</i> , 2015, 20, 2115-2137.	3.8	62
27	Copper(II) complexes with new fluoroquinolones: Synthesis, structure, spectroscopic and theoretical study, DNA damage, cytotoxicity and antiviral activity. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 160-173.	3.5	30
28	Irradiated lanoline as a prospective substance for biomedical applications: A spectroscopic and thermal study. <i>Radiation Physics and Chemistry</i> , 2015, 113, 41-46.	2.8	3
29	Character of Innovations in Environmental Education. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 197, 1697-1702.	0.5	4
30	Synthesis, crystal structures and properties of coordination polymers from copper(II) adipate. <i>Transition Metal Chemistry</i> , 2015, 40, 857-868.	1.4	2
31	The effect of electron beam on sheep wool. <i>Polymer Degradation and Stability</i> , 2015, 111, 151-158.	5.8	23
32	Effect of drying methods on content of some natural pigments in <i>Urtica dioica</i> L. and <i>Melissa officinalis</i> L.. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 05, 182-185.	0.8	3
33	EPR Spectroscopy of a Clinically Active (1:2) Copper(II)-Histidine Complex Used in the Treatment of Menkes Disease: A Fourier Transform Analysis of a Fluid CW-EPR Spectrum. <i>Molecules</i> , 2014, 19, 980-991.	3.8	27
34	The effect of electron beam irradiation on properties of virgin and glass fiber-reinforced polyamide 6. <i>Radiation Physics and Chemistry</i> , 2014, 102, 159-166.	2.8	30
35	PIGMENT PROFILE OF OLIVE OILS DETERMINED BY SCHOOL MEASUREMENT SYSTEM LABQUEST AND SPECTROMETER. <i>Journal of Technology and Information Education</i> , 2014, 6, 48-57.	0.1	0
36	Health protective effects of carotenoids and their interactions with other biological antioxidants. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 102-110.	5.5	182

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37	Redox cycling mechanisms in the colon. <i>Medical Hypotheses</i> , 2012, 79, 418-419.	1.5	4
38	Structures of copper(II) 2-chlorobenzoate monohydrate and copper(II) 3,5-dichlorobenzoate trihydrate. <i>Acta Chimica Slovaca</i> , 2012, 5, 15-20.	0.8	3
39	FTIR spectroscopy study of polyamide-6 irradiated by electron and proton beams. <i>Polymer Degradation and Stability</i> , 2012, 97, 523-531.	5.8	79
40	Two centrosymmetric dinuclear phenanthroline-copper(II) complexes with 3,5-dichloro-2-hydroxybenzoic acid and 5-chloro-2-hydroxybenzoic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, m85-m89.	0.4	6
41	Redox active metal-induced oxidative stress in biological systems. <i>Transition Metal Chemistry</i> , 2012, 37, 127-134.	1.4	162
42	Thermodynamics of Free Radical Reactions and the Redox Environment of a Cell. <i>ACS Symposium Series</i> , 2011, , 71-82.	0.5	14
43	A tetranuclear copper(II) cluster: bis($\frac{1}{4}$ -4-chlorobenzoato- μ^2 O)(4-chlorobenzoato- μ^2 O)tetrakis($\frac{1}{4}$ -3-2-pyridylmethanolato- μ^4 N,O). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m318-m320.		
44	Arsenic: toxicity, oxidative stress and human disease. <i>Journal of Applied Toxicology</i> , 2011, 31, 95-107.	2.8	1,038
45	Advances in metal-induced oxidative stress and human disease. <i>Toxicology</i> , 2011, 283, 65-87.	4.2	2,397
46	Importance of Iron Chelation in Free Radical-Induced Oxidative Stress and Human Disease. <i>Current Pharmaceutical Design</i> , 2011, 17, 3460-3473.	1.9	204
47	Chemo-mechanical coupling in molecular motors interpreted through the uncertainty relations. <i>Chemical Physics</i> , 2010, 372, 13-16.	1.9	0
48	Metals, oxidative stress and neurodegenerative disorders. <i>Molecular and Cellular Biochemistry</i> , 2010, 345, 91-104.	3.1	891
49	Enrichment of chickpea genetic resources collection monitored by microsatellites. <i>Czech Journal of Genetics and Plant Breeding</i> , 2009, 45, 11-17.	0.8	5
50	The Transfer of Heavy Metals from Contaminated Soils into Agricultural Plants in High Tatras Region. <i>Czech Journal of Food Sciences</i> , 2009, 27, S390-S393.	1.2	9
51	Effect of Heavy Metal Treatment on Molecular Changes in Root Tips of <i>Lupinus luteus</i> L.. <i>Czech Journal of Food Sciences</i> , 2009, 27, S386-S389.	1.2	8
52	Electron transfer from all-trans β -carotene to the t-butyl peroxy radical at low oxygen pressure (an) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.6	24
53	Evaluation of the ET-AAS and HG-AAS methods of selenium determination in vegetables. <i>Journal of Proteomics</i> , 2008, 70, 1287-1291.	2.4	23
54	Clustering of Chickpea (<i>Cicer arietinum</i> L.) Accessions. <i>Genetic Resources and Crop Evolution</i> , 2005, 52, 1039-1048.	1.6	6

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55	Microsatellite markers discriminating accessions within collections of plant genetic resources. Cellular and Molecular Biology Letters, 2002, 7, 745-51.	7.0	5