JarosÅ‚aw SadÅ‚o

List of Publications by Year
in descending order

41 papers	364 citations	840776 11 h-index	888059 17 g-index
42 all docs	42 docs citations	42 times ranked	438 citing authors

#	Article	IF	Citations
1	The combined effect of humidity and electron beam irradiation on collagen type I - implications for collagen-based devices. Materials Today Communications, 2022, 31, 103255.	1.9	1
2	Composites Containing Nanohydroxyapatites and a Stable TEMPO Radical: Preparation and Characterization Using Spectrophotometry, EPR and 1H MAS NMR. Materials, 2022, 15, 2043.	2.9	1
3	Photochemical Hydrogen Storage with Hexaazatrinaphthylene (HATN). ChemPhysChem, 2022, , .	2.1	2
4	Cover Feature: Photochemical Hydrogen Storage with Hexaazatrinaphthylene (ChemPhysChem 11/2022). ChemPhysChem, 2022, 23, .	2.1	0
5	Optimization of Novel Human Acellular Dermal Dressing Sterilization for Routine Use in Clinical Practice. International Journal of Molecular Sciences, 2021, 22, 8467.	4.1	4
6	Impact of electron beam treatment on copolymers of polylactide and poly(trimethylene carbonate) in an air atmosphere. Journal of Applied Polymer Science, 2021, 138, 50184.	2.6	4
7	The influence of sterilization on octacalcium phosphate for clinical applications. , 2020, , 55-84.		1
8	Comparison of radical processes in non-aged and radiation-aged polyethylene unprotected or protected by antioxidants. Materials Today Communications, 2020, 25, 101521.	1.9	7
9	Nonstationary Two-Dimensional Nuclear Magnetic Resonance: A Method for Studying Reaction Mechanisms in Situ. Analytical Chemistry, 2019, 91, 11306-11315.	6.5	10
10	Radicals initiated by gamma rays in selected amino acids and collagen. Nukleonika, 2019, 64, 11-17.	0.8	3
11	LDL dinitrosyl iron complex: A new transferrinâ€independent route for iron delivery in hepatocytes. BioFactors, 2018, 44, 192-201.	5.4	5
12	Influence of gamma and electron beam sterilization on the stability of a premixed injectable calcium phosphate cement for trauma indications. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 116-124.	3.1	9
13	LDL dinitrosyl iron complex acts as an iron donor in mouse macrophages. Journal of Inorganic Biochemistry, 2018, 188, 29-37.	3.5	10
14	Radiation degradation and stability of PBAT: copolymer of aromatic and aliphatic esters. Journal of Applied Polymer Science, 2018, 135, 46682.	2.6	15
15	Synthetic Calcite as a Scaffold for Osteoinductive Bone Substitutes. Annals of Biomedical Engineering, 2016, 44, 2145-2157.	2.5	19
16	Formation of glutathionyl dinitrosyl iron complexes protects against iron genotoxicity. Dalton Transactions, 2015, 44, 12640-12652.	3.3	3
17	Multifrequency EPR study on radiation induced centers in calcium carbonates labeled with ¹³C. Nukleonika, 2015, 60, 429-434.	0.8	11
18	ESR and DFT study of the paramagnetic carbon centers stabilized in Î³-irradiated zeolites exposed to carbon monoxide. Microporous and Mesoporous Materials, 2014, 195, 112-123.	4.4	1

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19	Effect of gamma radiation and accelerated electron beam on stable paramagnetic centers induction in bone mineral: influence of dose, irradiation temperature and bone defatting. Cell and Tissue Banking, 2014, 15, 413-428.	1.1	5
20	Radiation-induced radicals in aliphatic poly(ester urethane)s studied by EPR spectroscopy. Journal of Molecular Structure, 2013, 1036, 488-493.	3.6	9
21	C-Centered Radicals in Î³-Irradiated H-ZSM-5 Exposed to CO. Journal of Physical Chemistry C, 2012, 116, 16098-16104.	3.1	2
22	EPR studies of radicals generated by Î³-radiation in nanocrystalline hydroxyapatites prepared by dry milling. Journal of Molecular Structure, 2012, 1022, 61-67.	3.6	7
23	Coordination of iron ions in the form of histidinyl dinitrosyl complexes does not prevent their genotoxicity. Bioorganic and Medicinal Chemistry, 2012, 20, 6732-6738.	3.0	7
24	Carbon-centered radicals in Î³-irradiated bone substituting biomaterials based on hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2012, 23, 2061-2068.	3.6	6
25	Variable Inhibitory Effects on the Formation of Dinitrosyl Iron Complexes by Deferoxamine and Salicylaldehyde Isonicotinoyl Hydrazone in K562 Cells. Hemoglobin, 2008, 32, 157-163.	0.8	13
26	Products of the Reaction of 9-Nickelafluorenyllithium Complexes with Water. Organometallics, 2008, 27, 3618-3621.	2.3	8
27	Organosilver radicals in molecular sieves. Studies in Surface Science and Catalysis, 2008, 174, 933-936.	1.5	1
28	Multifrequency electron paramagnetic resonance study on deproteinized human bone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1206-1209.	3.9	14
29	Stabilisation of reactive intermediates in molecular sieves. Research on Chemical Intermediates, 2007, 33, 793-806.	2.7	3
30	Crucial role of lysosomal iron in the formation of dinitrosyl iron complexes in vivo. Journal of Biological Inorganic Chemistry, 2007, 12, 345-352.	2.6	27
31	Radical processes induced in poly(siloxaneurethaneureas) by ionising radiation. Polymer Degradation and Stability, 2006, 91, 2182-2188.	5.8	6
32	Comparative X- and Q-Band EPR Study of Radiation-Induced Radicals in Tooth Enamel. Radiation Research, 2002, 158, 615-625.	1.5	30
33	Electron spin resonance studies on silver atoms in imogolite fibers. Applied Clay Science, 2001, 19, 173-178.	5.2	18
34	Interaction of tetrameric silver with ammonia in AgCs-rho zeolite. Physical Chemistry Chemical Physics, 2001, 3, 1717-1720.	2.8	4
35	EPR and ENDOR of radiation-induced CO33- radicals in human tooth enamel heated at 400Â°C. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3275-3278.	1.7	26
36	EPR and ESEEM Studies on Silver Hydroxymethyl Radicals in Molecular Sieves.. Acta Chemica Scandinavica, 1997, 51, 330-333.	0.7	5

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37	Tetrameric silver clusters in rho zeolite stable above room temperature â€" ESR studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 115, 239-247.	4.7	11
38	Radiation-induced silver agglomeration in molecular sieves: A comparison between A and X zeolites. Radiation Physics and Chemistry, 1995, 45, 909-915.	2.8	8
39	Silver Agglomeration in SAPO-5 and SAPO-11 Molecular Sieves. The Journal of Physical Chemistry, 1995, 99, 4679-4686.	2.9	28
40	Silver Agglomeration in SAPO-42 and Isostructural Zeolite A: EPR and ESEM Studies. Studies in Surface Science and Catalysis, 1994, 84, 957-964.	1.5	2
41	Electron spin resonance and electron spin echo modulation studies on radiation-induced silver agglomeration in a SAPO-42 molecular sieve: a comparison with isostructural zeolite A. The Journal of Physical Chemistry, 1993, 97, 10440-10444.	2.9	18