

Tanja Jurkin

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

247
citations

8
h-index

15
g-index

22
ext. papers

321
ext. citations

3.2
avg, IF

3.36
L-index

#	Paper	IF	Citations
18	Synthesis of porous silicon based nanoparticles for applications in surface enhanced Raman spectroscopy. <i>Vacuum</i> , 2021 , 191, 110335	3.7	0
17	One-step synthesis of poly(ethylene oxide)/gold nanocomposite hydrogels and suspensions using gamma-irradiation. <i>Radiation Physics and Chemistry</i> , 2020 , 170, 108657	2.5	3
16	Characterization of radiolytically synthesized ferrihydrite and oxidized magnetite nanoparticles. <i>Materials Characterization</i> , 2020 , 159, 110038	3.9	1
15	Irradiation generated ferrous ions affect the formation of magnetite and ferrihydrite. <i>Radiation Physics and Chemistry</i> , 2020 , 170, 108648	2.5	1
14	The impact of dextran sulfate on the radiolytic synthesis of magnetic iron oxide nanoparticles. <i>Journal of Molecular Structure</i> , 2019 , 1183, 126-136	3.4	6
13	Bone Tissue Engineering in a Perfusion Bioreactor Using Dexamethasone-Loaded Peptide Hydrogel. <i>Materials</i> , 2019 , 12,	3.5	14
12	Impact of Fe(III) ions on the structural and optical properties of anatase-type solid solutions. <i>Journal of Molecular Structure</i> , 2019 , 1179, 354-365	3.4	3
11	Syntheses of gold nanoparticles and their impact on the cell cycle in breast cancer cells subjected to megavoltage X-ray irradiation. <i>Materials Science and Engineering C</i> , 2018 , 91, 486-495	8.3	8
10	Synthesis route to Fe ₃ O ₄ nanodiscs. <i>Materials Letters</i> , 2016 , 173, 55-59	3.3	20
9	Synthesis of gold nanoparticles under highly oxidizing conditions. <i>Gold Bulletin</i> , 2016 , 49, 21-33	1.6	8
8	Gamma-irradiation synthesis of iron oxide nanoparticles in the presence of PEO, PVP or CTAB. <i>Radiation Physics and Chemistry</i> , 2016 , 124, 75-83	2.5	23
7	The synthesis of gold nanoparticles by a citrate-radiolytical method. <i>Radiation Physics and Chemistry</i> , 2015 , 106, 77-82	2.5	45
6	Irradiation effects in poly(ethylene oxide)/silica nanocomposite films and gels. <i>Polymer Engineering and Science</i> , 2013 , 53, 2318-2327	2.3	10
5	FTIR assessment of poly(ethylene oxide) irradiated in solid state, melt and aqueous solution. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 1426-1429	2.5	61
4	Poly(ethylene oxide) irradiated in the solid state, melt and aqueous solution – DSC and WAXD study. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 1303-1308	2.5	27
3	Investigation of solid phase upon irradiation of ferrihydrite-ethanol suspension. <i>Radiation Physics and Chemistry</i> , 2011 , 80, 792-798	2.5	7
2	Radiation and postirradiation crosslinking and structure of two unsaturated polyester resins. <i>Polymer Engineering and Science</i> , 2008 , 48, 1768-1777	2.3	1

- 1 Crystallization of Irradiated poly(ethylene oxide). *Radiation Physics and Chemistry*, **2007**, 76, 1318-1323 2.5 5