Tanja Jurkin

List of Publications by Citations

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	FTIR assessment of poly(ethylene oxide) irradiated in solid state, melt and aqeuous solution. *Radiation Physics and Chemistry*, **2012**, 81, 1426-1429	2.5	61
17	The synthesis of gold nanoparticles by a citrate-radiolytical method. *Radiation Physics and Chemistry* , **2015**, 106, 77-82	2.5	45
16	Poly(ethylene oxide) irradiated in the solid state, melt and aqueous solution DSC and WAXD study. *Radiation Physics and Chemistry*, **2012**, 81, 1303-1308	2.5	27
15	Gamma-irradiation synthesis of iron oxide nanoparticles in the presence of PEO, PVP or CTAB. *Radiation Physics and Chemistry*, **2016**, 124, 75-83	2.5	23
14	Synthesis route to FeOOH nanodiscs. *Materials Letters*, **2016**, 173, 55-59	3.3	20
13	Bone Tissue Engineering in a Perfusion Bioreactor Using Dexamethasone-Loaded Peptide Hydrogel. *Materials*, **2019**, 12,	3.5	14
12	Irradiation effects in poly(ethylene oxide)/silica nanocomposite films and gels. *Polymer Engineering and Science*, **2013**, 53, 2318-2327	2.3	10
11	Synthesis of gold nanoparticles under highly oxidizing conditions. *Gold Bulletin*, **2016**, 49, 21-33	1.6	8
10	Syntheses of gold nanoparticles and their impact on the cell cycle in breast cancer cells subjected to megavoltage X-ray irradiation. *Materials Science and Engineering C*, **2018**, 91, 486-495	8.3	8
9	Investigation of solid phase upon irradiation of ferrihydrite-ethanol suspension. *Radiation Physics and Chemistry*, **2011**, 80, 792-798	2.5	7
8	The impact of dextran sulfate on the radiolytic synthesis of magnetic iron oxide nanoparticles. *Journal of Molecular Structure*, **2019**, 1183, 126-136	3.4	6
7	Crystallization of irradiated poly(ethylene oxide). *Radiation Physics and Chemistry*, **2007**, 76, 1318-1323	2.5	5
6	One-step synthesis of poly(ethylene oxide)/gold nanocomposite hydrogels and suspensions using gamma-irradiation. *Radiation Physics and Chemistry*, **2020**, 170, 108657	2.5	3
5	Impact of Fe(III) ions on the structural and optical properties of anatase-type solid solutions. *Journal of Molecular Structure*, **2019**, 1179, 354-365	3.4	3
4	Radiation and postirradiation crosslinking and structure of two unsaturated polyester resins. *Polymer Engineering and Science*, **2008**, 48, 1768-1777	2.3	1
3	Characterization of radiolytically synthesized feroxyhyte and oxidized magnetite nanoparticles. *Materials Characterization*, **2020**, 159, 110038	3.9	1
2	irradiation generated ferrous ions affect the formation of magnetite and feroxyhyte. *Radiation Physics and Chemistry*, **2020**, 170, 108648	2.5	1

1	Synthesis of porous silicon based nanoparticles for applications in surface enhanced Raman spectroscopy. *Vacuum*, **2021**, 191, 110335	3.7	0