

# Alireza Meidanchi

## List of Publications by Year in descending order

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docs citations

15  
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1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic zinc ferrite spinel-graphene nanostructures for fast wastewater purification. Carbon, 2014, 69, 230-238.	5.4	208
2	Zinc ferrite spinel-graphene in magneto-photothermal therapy of cancer. Journal of Materials Chemistry B, 2014, 2, 3306.	2.9	128
3	Removal of heavy metal (Hg(II) and Cr(VI)) ions from aqueous solutions using Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> thin films as a novel adsorbent. Chemical Engineering Research and Design, 2018, 120, 348-357.	2.7	108
4	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles as radiosensitizers in radiotherapy of human prostate cancer cells. Materials Science and Engineering C, 2015, 46, 394-399.	3.8	97
5	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. RSC Advances, 2014, 4, 62557-62565.	1.7	50
6	Preparation, characterization and in vitro evaluation of magnesium ferrite superparamagnetic nanoparticles as a novel radiosensitizer of breast cancer cells. Ceramics International, 2020, 46, 17577-17583.	2.3	36
7	Synthesis and characterization of high purity Ta <sub>2</sub> O <sub>5</sub> nanoparticles by laser ablation and its antibacterial properties. Optics and Laser Technology, 2019, 111, 89-94.	2.2	35
8	Fe <sub>3</sub> O <sub>4</sub> @Au/reduced graphene oxide nanostructures: Combinatorial effects of radiotherapy and photothermal therapy on oral squamous carcinoma KB cell line. Ceramics International, 2020, 46, 28676-28685.	2.3	33
9	Structural, optical and dielectric studies of Ag nanoparticles decorated by herceptin. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113562.	1.3	23
10	Mg <sub>(1-x)</sub> Cu <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> superparamagnetic nanoparticles as nano-radiosensitizer agents in radiotherapy of MCF-7 human breast cancer cells. Nanotechnology, 2020, 31, 325706.	1.3	23
11	Cobalt ferrite nanoparticles supported on reduced graphene oxide sheets: optical, magnetic and magneto-antibacterial studies. Nanotechnology, 2020, 31, 445704.	1.3	23
12	Copper Spinel Ferrite Superparamagnetic Nanoparticles as a Novel Radiotherapy Enhancer Effect in Cancer Treatment. Journal of Cluster Science, 2021, 32, 657-663.	1.7	20
13	Growth of Boron Carbide Nanostructures on Silicon Using Hot Filament Chemical Vapour Deposition. Journal of Chemical Research, 2018, 42, 73-76.	0.6	19
14	Structural and optical properties of Fe <sub>3</sub> O <sub>4</sub> @Au/rGO nanocomposites synthesized by hydrothermal method and their photothermal effect under NIR laser irradiation. Materials Chemistry and Physics, 2021, 258, 123956.	2.0	10
15	Preparation of Polycarbonate-ZnO Nanocomposite Films: Surface Investigation after UV Irradiation. Molecules, 2022, 27, 4448.	1.7	6