

Mansooreh Kheradmandfard

List of Publications by Year in descending order

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15
papers

538
citations

623734

14
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro bioactivity evaluation of magnesium-substituted fluorapatite nanopowders. <i>Ceramics International</i> , 2012, 38, 169-175.	4.8	65
2	Ultrafast green microwave-assisted synthesis of high-entropy oxide nanoparticles for Li-ion battery applications. <i>Materials Chemistry and Physics</i> , 2021, 262, 124265.	4.0	61
3	Significant improvement in cell adhesion and wear resistance of biomedical β -type titanium alloy through ultrasonic nanocrystal surface modification. <i>Journal of Alloys and Compounds</i> , 2018, 762, 941-949.	5.5	54
4	Nanostructured β -type titanium alloy fabricated by ultrasonic nanocrystal surface modification. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 698-706.	8.2	50
5	Preparation and characterization of Mg-doped fluorapatite nanopowders by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2010, 504, 141-145.	5.5	49
6	Fabrication and characterization of nanocrystalline Mg-substituted fluorapatite by high energy ball milling. <i>Ceramics International</i> , 2013, 39, 1651-1658.	4.8	46
7	Simultaneous grain refinement and nanoscale spinodal decomposition of β phase in Ti-Nb-Ta-Zr alloy induced by ultrasonic mechanical impacts. <i>Journal of Alloys and Compounds</i> , 2018, 738, 540-549.	5.5	42
8	Synthesis and dissolution behavior of nanosized silicon and magnesium co-doped fluorapatite obtained by high energy ball milling. <i>Ceramics International</i> , 2014, 40, 8341-8349.	4.8	37
9	Highly durable and biocompatible periodical Si/DLC nanocomposite coatings. <i>Nanoscale</i> , 2018, 10, 4852-4860.	5.6	23
10	Effect of Mg content on the bioactivity and biocompatibility of Mg-substituted fluorapatite nanopowders fabricated via mechanical activation. <i>Materials Science and Engineering C</i> , 2016, 68, 136-142.	7.3	22
11	Ultra-fast, highly efficient and green synthesis of bioactive forsterite nanopowder via microwave irradiation. <i>Materials Science and Engineering C</i> , 2018, 92, 236-244.	7.3	22
12	Ion-beam irradiation of DLC-based nanocomposite: Creation of a highly biocompatible surface. <i>Applied Surface Science</i> , 2019, 469, 896-903.	6.1	19
13	In vitro study of a novel multi-substituted hydroxyapatite nanopowder synthesized by an ultra-fast, efficient and green microwave-assisted method. <i>Materials Science and Engineering C</i> , 2020, 117, 111310.	7.3	19
14	Exceptional improvement in the wear resistance of biomedical β -type titanium alloy with the use of a biocompatible multilayer Si/DLC nanocomposite coating. <i>Ceramics International</i> , 2022, 48, 17376-17384.	4.8	17
15	Ultra-fast microwave-assisted synthesis of diopside nanopowder for biomedical applications. <i>Ceramics International</i> , 2018, 44, 18752-18758.	4.8	12