

Mahboobeh Mahmoodi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

671
citations

623574

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29
docs citations

29
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering organ-on-a-chip systems to model viral infections. <i>Biofabrication</i> , 2023, 15, 022001.	3.7	10
2	Droplet-based microfluidics in biomedical applications. <i>Biofabrication</i> , 2022, 14, 022001.	3.7	50
3	In Vitro Corrosion and Tribological Behavior of Multiwall Carbon Nanotube-Coated Ti-6Al-4V/Tantalum Carbide Surface for Implant Applications. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 7719-7733.	1.2	6
4	Role of biomaterials in the diagnosis, prevention, treatment, and study of corona virus disease 2019 (COVID-19). <i>Emergent Materials</i> , 2021, 4, 35-55.	3.2	19
5	Highly osteogenic and mechanically strong nanofibrous scaffolds based on functionalized multi-walled carbon nanotubes-reinforced electrospun keratin/poly(μ -caprolactone). <i>Materials Today Communications</i> , 2021, 27, 102401.	0.9	14
6	Micro and Nanoscale Technologies for Diagnosis of Viral Infections. <i>Small</i> , 2021, 17, e2100692.	5.2	16
7	Multimaterial bioprinting and combination of processing techniques towards the fabrication of biomimetic tissues and organs. <i>Biofabrication</i> , 2021, 13, 042002.	3.7	42
8	Platelet-rich fibrin-loaded PCL/chitosan core-shell fibers scaffold for enhanced osteogenic differentiation of mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2021, 269, 118351.	5.1	28
9	Electrophoretic deposition of graphene oxide reinforced hydroxyapatite on the tantalum substrate for bone implant applications: In vitro corrosion and bio-tribological behavior. <i>Surface and Coatings Technology</i> , 2021, 424, 127642.	2.2	24
10	Healthy and diseased <i>in vitro</i> models of vascular systems. <i>Lab on A Chip</i> , 2021, 21, 641-659.	3.1	18
11	Recent developments in mussel-inspired materials for biomedical applications. <i>Biomaterials Science</i> , 2021, 9, 6653-6672.	2.6	42
12	Phytogenic Synthesis of Nickel Oxide Nanoparticles (NiO) Using Fresh Leaves Extract of <i>Rhamnus triquetra</i> (Wall.) and Investigation of Its Multiple In Vitro Biological Potentials. <i>Biomedicines</i> , 2020, 8, 117.	1.4	72
13	Electrospun Fibroin/Graphene Oxide Nanocomposite Mats: an Optimization for Potential Wound Dressing Applications. <i>Fibers and Polymers</i> , 2020, 21, 480-488.	1.1	10
14	Electroactive graphene oxide-incorporated collagen assisting vascularization for cardiac tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 204-219.	2.1	90
15	Tantalum carbide coating on Ti-6Al-4V by electron beam physical vapor deposition method: Study of corrosion and biocompatibility behavior. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 374-382.	1.1	14
16	Enhanced Entrapment and Improved in Vitro Controlled Release of N-Acetyl Cysteine in Hybrid PLGA/Lecithin Nanoparticles Prepared Using a Nanoprecipitation/Self-Assembly Method. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4203-4209.	1.2	23
17	In Vitro Assessment of Poly (Vinyl Alcohol) Film Incorporating Aloe Vera for Potential Application as a Wound Dressing. <i>Journal of Macromolecular Science - Physics</i> , 2017, 56, 435-450.	0.4	30
18	Preparation, magnetic properties, and photocatalytic performance under natural daylight irradiation of Fe ₃ O ₄ -ZnO core/shell nanoparticles designed on reduced GO platelet. <i>Materials Science in Semiconductor Processing</i> , 2017, 72, 85-92.	1.9	33

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19	In vitro evaluation of collagen immobilization on polytetrafluoroethylene through NH ₃ plasma treatment to enhance endothelial cell adhesion and growth. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 489-501.	0.4	6
20	Characterization of a novel nanobiomaterial fabricated from HA, TiO ₂ and Al ₂ O ₃ powders: an in vitro study. <i>Progress in Biomaterials</i> , 2014, 3, 25.	1.8	8
21	Dynamic study of PLGA/CS nanoparticles delivery containing drug model into phantom tissue using CO ₂ laser for clinical applications. <i>Journal of Biophotonics</i> , 2011, 4, 403-414.	1.1	5
22	In situ monitoring the pulse CO ₂ laser interaction with 316-L stainless steel using acoustical signals and plasma analysis. <i>Applied Surface Science</i> , 2010, 256, 7421-7427.	3.1	15
23	Synthesis and release study of tissue plasminogen activators (tPA) loaded chitosan coated poly (lactide-co-glycolide acid) nanoparticles. , 2010, , .		2
24	In vitro and in vivo studies of osteoblast cell response to a titanium-6 aluminium-4 vanadium surface modified by neodymium:yttrium-aluminium-garnet laser and silicon carbide paper. <i>Lasers in Medical Science</i> , 2009, 24, 925-939.	1.0	21
25	Evaluation of mechanical and electrochemical properties of laser surface modified Ti-6Al-4V for biomedical applications: <i>in vitro</i> study. <i>Surface Engineering</i> , 2008, 24, 209-218.	1.1	10
26	Effect of Nd:Yttrium-aluminum-garnet laser radiation on Ti6Al4V alloy properties for biomedical applications. <i>Journal of Laser Applications</i> , 2008, 20, 209-217.	0.8	12
27	Analysis of Bioadhesivity of Osteoblast Cells on Titanium Alloy Surface Modified by Nd:YAG Laser. <i>Journal of Adhesion</i> , 2007, 83, 151-172.	1.8	5
28	Characterization of Ti6Al4V implant surface treated by Nd:YAG laser and emery paper for orthopaedic applications. <i>Applied Surface Science</i> , 2007, 253, 8772-8781.	3.1	39
29	Fundamentals of Biomedical Applications of Biomorphc SiC. , 0, , .		7