Mahboobeh Mahmoodi

List of Publications by Year
in descending order

29	671	623574	580701
papers	citations	14 h-index	25 g-index

29	29	29	797
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electroactive graphene oxideâ€incorporated collagen assisting vascularization for cardiac tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 204-219.	2.1	90
2	Phytogenic Synthesis of Nickel Oxide Nanoparticles (NiO) Using Fresh Leaves Extract of Rhamnus triquetra (Wall.) and Investigation of Its Multiple In Vitro Biological Potentials. Biomedicines, 2020, 8, 117.	1.4	72
3	Droplet-based microfluidics in biomedical applications. Biofabrication, 2022, 14, 022001.	3.7	50
4	Multimaterial bioprinting and combination of processing techniques towards the fabrication of biomimetic tissues and organs. Biofabrication, 2021, 13, 042002.	3.7	42
5	Recent developments in mussel-inspired materials for biomedical applications. Biomaterials Science, 2021, 9, 6653-6672.	2.6	42
6	Characterization of Ti6Al4V implant surface treated by Nd:YAG laser and emery paper for orthopaedic applications. Applied Surface Science, 2007, 253, 8772-8781.	3.1	39
7	Preparation, magnetic properties, and photocatalytic performance under natural daylight irradiation of Fe 3 O 4 -ZnO core/shell nanoparticles designed on reduced GO platelet. Materials Science in Semiconductor Processing, 2017, 72, 85-92.	1.9	33
8	In Vitro Assessment of Poly (Vinyl Alcohol) Film Incorporating Aloe Vera for Potential Application as a Wound Dressing. Journal of Macromolecular Science - Physics, 2017, 56, 435-450.	0.4	30
9	Platelet-rich fibrin-loaded PCL/chitosan core-shell fibers scaffold for enhanced osteogenic differentiation of mesenchymal stem cells. Carbohydrate Polymers, 2021, 269, 118351.	5.1	28
10	Electrophoretic deposition of graphene oxide reinforced hydroxyapatite on the tantalum substrate for bone implant applications: In vitro corrosion and bio-tribological behavior. Surface and Coatings Technology, 2021, 424, 127642.	2.2	24
11	Enhanced Entrapment and Improved in Vitro Controlled Release of Nâ€Acetyl Cysteine in Hybrid PLGA/Lecithin Nanoparticles Prepared Using a Nanoprecipitation/Selfâ€Assembly Method. Journal of Cellular Biochemistry, 2017, 118, 4203-4209.	1.2	23
12	In vitro and in vivo studies of osteoblast cell response to a titanium-6 aluminium-4 vanadium surface modified by neodymium:yttriumâ€“aluminiumâ€“garnet laser and silicon carbide paper. Lasers in Medical Science, 2009, 24, 925-939.	1.0	21
13	Role of biomaterials in the diagnosis, prevention, treatment, and study of corona virus disease 2019 (COVID-19). Emergent Materials, 2021, 4, 35-55.	3.2	19
14	Healthy and diseased in vitro models of vascular systems. Lab on A Chip, 2021, 21, 641-659.	3.1	18
15	Micro and Nanoscale Technologies for Diagnosis of Viral Infections. Small, 2021, 17, e2100692.	5.2	16
16	In situ monitoring the pulse CO2 laser interaction with 316-L stainless steel using acoustical signals and plasma analysis. Applied Surface Science, 2010, 256, 7421-7427.	3.1	15
17	Tantalum carbide coating on Tiâ€6Alâ€4V by electron beam physical vapor deposition method: Study of corrosion and biocompatibility behavior. International Journal of Applied Ceramic Technology, 2017, 14, 374-382.	1.1	14
18	Highly osteogenic and mechanically strong nanofibrous scaffolds based on functionalized multi-walled carbon nanotubes-reinforced electrospun keratin/poly(Îµ-caprolactone). Materials Today Communications, 2021, 27, 102401.	0.9	14

#	Article	IF	Citations
19	Effect of Nd:Yttrium-aluminum-garnet laser radiation on Ti6Al4V alloy properties for biomedical applications. Journal of Laser Applications, 2008, 20, 209-217.	0.8	12
20	Evaluation of mechanical and electrochemical properties of laser surface modified Tiâ€“6Alâ€“4V for biomedical applications: in vitro study. Surface Engineering, 2008, 24, 209-218.	1.1	10
21	Electrospun Fibroin/Graphene Oxide Nanocomposite Mats: an Optimization for Potential Wound Dressing Applications. Fibers and Polymers, 2020, 21, 480-488.	1.1	10
22	Engineering organ-on-a-chip systems to model viral infections. Biofabrication, 2023, 15, 022001.	3.7	10
23	Characterization of a novel nanobiomaterial fabricated from HA, TiO2 and Al2O3 powders: an in vitro study. Progress in Biomaterials, 2014, 3, 25.	1.8	8
24	Fundamentals of Biomedical Applications of Biomorphic SiC. , 0, , .		7
25	In vitro evaluation of collagen immobilization on polytetrafluoroethylene through NH3 plasma treatment to enhance endothelial cell adhesion and growth. Bio-Medical Materials and Engineering, 2017, 28, 489-501.	0.4	6
26	In Vitro Corrosion and Tribological Behavior of Multiwall Carbon Nanotube-Coated Ti-6Al-4V/Tantalum Carbide Surface for Implant Applications. Journal of Materials Engineering and Performance, 2022, 31, 7719-7733.	1.2	6
27	Analysis of Bioadhesivity of Osteoblast Cells on Titanium Alloy Surface Modified by Nd:YAG Laser. Journal of Adhesion, 2007, 83, 151-172.	1.8	5
28	Dynamic study of PLGA/CS nanoparticles delivery containing drug model into phantom tissue using CO² laser for clinical applications. Journal of Biophotonics, 2011, 4, 403-414.	1.1	5
29	Synthesis and release study of tissue plasminogen activators (tPA) loaded chitosan coated poly (lactide-co-glycolide acid) nanoparticles. , 2010, , .		2