

Mostafa Mabrouk

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48 papers	619 citations	13 h-index	23 g-index
51 ext. papers	818 ext. citations	4.9 avg, IF	4.5 L-index

#	Paper	IF	Citations
48	Dual-Drug Delivery via Zein In Situ Forming Implants Augmented with Titanium-Doped Bioactive Glass for Bone Regeneration: Preparation, In Vitro Characterization, and In Vivo Evaluation.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	5
47	Transport phenomena in drug delivery membrane systems 2022 , 231-245		
46	Novel Zinc-silver Nanocages for Drug Delivery and Wound Healing: Preparation, Characterization and Antimicrobial Activities.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121559	6.5	2
45	Nanofibrillated cellulose/glucosamine 3D aerogel implants loaded with rosuvastatin and bioactive ceramic for dental socket preservation.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121549	6.5	2
44	Sol-gel silicate glass doped with silver for bone regeneration: Antibacterial activity, intermediate water, and cell death mode 2022 , 138, 212965		0
43	Bioactivity and cell viability of Ag ⁺ - and Zr ⁴⁺ -co-doped biphasic calcium phosphate. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	2
42	Hepatotoxic and Neurotoxic Potential of Iron Oxide Nanoparticles in Wistar Rats: a Biochemical and Ultrastructural Study. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	1
41	Effects of Scaffold Pore Morphologies on Glucose Transport Limitations in Hollow Fibre Membrane Bioreactor for Bone Tissue Engineering: Experiments and Numerical Modelling. <i>Membranes</i> , 2021 , 11,	3.8	7
40	A novel synthetic approach to produce cellulose-based woven scaffolds impregnated with bioactive glass for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 905-918	7.9	0
39	Enhancement of glass-ceramic performance by TiO ₂ doping: In vitro cell viability, proliferation, and differentiation. <i>Ceramics International</i> , 2021 , 47, 6251-6261	5.1	7
38	Mesoporous silica nanoparticles prepared by different methods for biomedical applications: Comparative study. <i>IET Nanobiotechnology</i> , 2021 , 15, 291-300	2	4
37	Nanomaterials for Biomedical Applications: Production, Characterisations, Recent Trends and Difficulties. <i>Molecules</i> , 2021 , 26,	4.8	15
36	Investigating the Intermediate Water Feature of Hydrated Titanium Containing Bioactive Glass. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
35	Physical and mechanical evaluation of dental resin composite after modification with two different types of Montmorillonite nanoclay. <i>Journal of Dentistry</i> , 2021 , 112, 103731	4.8	2
34	Antibacterial, drug delivery, and osteoinduction abilities of bioglass/chitosan scaffolds for dental applications. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 57, 101757	4.5	11
33	Dual-function membranes based on alginate/methyl cellulose composite for control drug release and proliferation enhancement of fibroblast cells. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2831-2841	7.9	2
32	Recent progress in the fabrication techniques of 3D scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2020 , 110, 110716	8.3	52

31	Multifunctional magnetite nanoparticles for drug delivery: Preparation, characterisation, antibacterial properties and drug release kinetics. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119658	6.5	10
30	Radiological evaluations of low cost wollastonite nano-ceramics graft doped with iron oxide in the treatment of induced defects in canine mandible. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 109, 1029	3.5	5
29	Nanoparticle- and Nanoporous-Membrane-Mediated Delivery of Therapeutics. <i>Pharmaceutics</i> , 2019 , 11,	6.4	21
28	Cancer Cells Treated by Clusters of Copper Oxide Doped Calcium Silicate. <i>Advanced Pharmaceutical Bulletin</i> , 2019 , 9, 102-109	4.5	12
27	Combination of Human Amniotic Fluid Derived-Mesenchymal Stem Cells and Nano-hydroxyapatite Scaffold Enhances Bone Regeneration. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2019 , 7, 2739-2750	1	5
26	Enhanced mesenchymal stem cell proliferation through complexation of selenium/titanium nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 24	4.5	17
25	Novel, cost-effective, Cu-doped calcium silicate nanoparticles for bone fracture intervention: Inherent bioactivity and in vivo performance. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 388-399	3.5	17
24	Novel alginate/hydroxyethyl cellulose/hydroxyapatite composite scaffold for bone regeneration: In vitro cell viability and proliferation of human mesenchymal stem cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 448-460	7.9	53
23	Newly developed controlled release subcutaneous formulation for tramadol hydrochloride. <i>Saudi Pharmaceutical Journal</i> , 2018 , 26, 585-592	4.4	8
22	Influence of Niobium Pentoxide Particulates on the Properties of Brushite/Gelatin/Alginate Membranes. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1361-1371	3.9	10
21	Novel Fe ₂ O ₃ -doped glass /chitosan scaffolds for bone tissue replacement. <i>Ceramics International</i> , 2018 , 44, 9140-9151	5.1	17
20	Anticancer drug carriers using dicalcium phosphate/dextran/CMCnanocomposite scaffolds. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 45, 315-322	4.5	4
19	Customized Peptide Biomaterial Synthesis via an Environment-Reliant Auto-Programmer Stigmergic Approach. <i>Materials</i> , 2018 , 11,	3.5	1
18	Novel polysaccharide hybrid scaffold loaded with hydroxyapatite: Fabrication, bioactivity, and in vivo study. <i>Materials Science and Engineering C</i> , 2018 , 93, 1-11	8.3	16
17	HARNESSING THE ANTIOXIDANT PROPERTY OF CERIUM AND YTTRIUM OXIDE NANOPARTICLES TO ENHANCE MESENCHYMAL STEM CELL PROLIFERATION. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018 , 11, 436	0.4	10
16	Artificial, Triple-Layered, Nanomembranous Wound Patch for Potential Diabetic Foot Ulcer Intervention. <i>Materials</i> , 2018 , 11,	3.5	9
15	Antioxidative/oxidative effects and retarding osteoconductivity of ciprofloxacin-loaded porous polyvinyl alcohol/bioactive glass hybrid. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 17-32	3.1	7
14	In vivo study of hybrid biomaterial scaffold bioactive glass/chitosan after incorporation of Ciprofloxacin. <i>Polymer Bulletin</i> , 2017 , 74, 4153-4173	2.4	3

13	Development of respirable rifampicin-loaded nano-lipomer composites by microemulsion-spray drying for pulmonary delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 41, 13-19	4.5	19
12	A composite chitosan-gelatin bi-layered, biomimetic macroporous scaffold for blood vessel tissue engineering. <i>Carbohydrate Polymers</i> , 2017 , 157, 1215-1225	10.3	68
11	Synthesis and Evaluation of a Sodium Alginate-4-Aminosalicylic Acid Based Microporous Hydrogel for Potential Viscosupplementation for Joint Injuries and Arthritis-Induced Conditions. <i>Marine Drugs</i> , 2017 , 15,	6	5
10	A bio-injectable algin-aminocaproic acid thixogel with tri-stimuli responsiveness. <i>Carbohydrate Polymers</i> , 2016 , 135, 324-33	10.3	9
9	Intestinal Targeting of Ganciclovir Release Employing a Novel HEC-PAA Blended Lyomatrix. <i>AAPS PharmSciTech</i> , 2016 , 17, 1120-30	3.9	5
8	A Review of Thermo- and Ultrasound-Responsive Polymeric Systems for Delivery of Chemotherapeutic Agents. <i>Polymers</i> , 2016 , 8,	4.5	54
7	The Influence of Lyophilized EmuGel Silica Microspheres on the Physicomechanical Properties, In Vitro Bioactivity and Biodegradation of a Novel Ciprofloxacin-Loaded PCL/PAA Scaffold. <i>Polymers</i> , 2016 , 8,	4.5	9
6	Antibacterial and in vivo reactivity of bioactive glass and poly(vinyl alcohol) composites prepared by melting and sol-gel techniques. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 1659-1668	2.8	3
5	Ca ₃ (PO ₄) ₂ precipitated layering of an in situ hybridized PVA/Ca ₂ O ₄ Si nanofibrous antibacterial wound dressing. <i>International Journal of Pharmaceutics</i> , 2016 , 507, 41-9	6.5	11
4	Enhancement of the biomineralization and cellular adhesivity of polycaprolactone-based hollow porous microspheres via dopamine bio-activation for tissue engineering applications. <i>Materials Letters</i> , 2015 , 161, 503-507	3.3	11
3	Design of a novel crosslinked HEC-PAA porous hydrogel composite for dissolution rate and solubility enhancement of efavirenz. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 429-37	6.5	20
2	Effect of ciprofloxacin incorporation in PVA and PVA bioactive glass composite scaffolds. <i>Ceramics International</i> , 2014 , 40, 4833-4845	5.1	50
1	Effect of incorporation of nano bioactive silica into commercial Glass Ionomer Cement (GIC). <i>Journal of Genetic Engineering and Biotechnology</i> , 2012 , 10, 113-119	3.1	10