

Tarek Abbas Elkhooly

List of Publications by Year in descending order

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29
papers

751
citations

567281

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526287

27
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docs citations

29
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Combating Bacterial Biofilm Formation in Urinary Catheter by Green Silver Nanoparticle. <i>Antibiotics</i> , 2022, 11, 495.	3.7	17
2	Bond strength of demineralized dentin after synthesized collagen/hydroxyapatite nanocomposite application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104590.	3.1	7
3	Fabrication and characterization of bioactive chitosan microspheres incorporated with mesoporous silica nanoparticles for biomedical applications. <i>Journal of Porous Materials</i> , 2020, 27, 555-562.	2.6	13
4	A synthetic biology approach for the fabrication of functional (fluorescent magnetic) bioorganic-inorganic hybrid materials in sponge primmorphs. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1789-1804.	3.3	6
5	Silver nanoparticles stimulate osteogenesis of human mesenchymal stem cells through activation of autophagy. <i>Nanomedicine</i> , 2020, 15, 337-353.	3.3	37
6	Facile coating of urinary catheter with bio-inspired antibacterial coating. <i>Heliyon</i> , 2019, 5, e02986.	3.2	36
7	Effects of the hierarchical macro/mesoporous structure on the osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1896-1902.	4.0	18
8	Effects of titanium surface roughness on the mediation of osteogenesis via modulating the immune response of macrophages. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 045013.	3.3	44
9	The Cu-containing TiO ₂ coatings with modulatory effects on macrophage polarization and bactericidal capacity prepared by micro-arc oxidation on titanium substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 242-250.	5.0	66
10	Reduced inflammatory response by incorporating magnesium into porous TiO ₂ coating on titanium substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 276-284.	5.0	46
11	The osteogenic, inflammatory and osteo-immunomodulatory performances of biomedical Ti-Ta metal-metal composite with Ca- and Si-containing bioceramic coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 49-59.	5.0	27
12	A dual-layer macro/mesoporous structured TiO ₂ surface improves the initial adhesion of osteoblast-like cells. <i>Materials Science and Engineering C</i> , 2017, 78, 443-451.	7.3	14
13	An evolutionary perspective on the role of mesencephalic astrocyte-derived neurotrophic factor (MANF): At the crossroads of poriferan innate immune and apoptotic pathways. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 161-173.	1.3	12
14	Selective deposition of CaCO ₃ on chemical gradient surface generated by plasma polymerization and its effect on cell adhesion. <i>Materials Letters</i> , 2017, 186, 90-93.	2.6	3
15	Effects of hierarchical micro/nano-topographies on the morphology, proliferation and differentiation of osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 37-45.	5.0	124
16	SaOS-2 cell response to macro-porous boron-incorporated TiO ₂ coating prepared by micro-arc oxidation on titanium. <i>Materials Science and Engineering C</i> , 2016, 67, 195-204.	7.3	19
17	Self-assembly and photocatalytic activity of branched silicatein/silintaphin filaments decorated with silicatein-synthesized TiO ₂ nanoparticles. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1477-1486.	3.4	15
18	A facile way to prepare mesoporous spherical calcites controlled by chondroitin sulfate for shape and carboxymethyl chitosan for size. <i>CrystEngComm</i> , 2016, 18, 8582-8586.	2.6	7

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19	<l>In Vitro<l> Effect of 30 nm Silver Nanoparticles on Adipogenic Differentiation of Human Mesenchymal Stem Cells. Journal of Biomedical Nanotechnology, 2016, 12, 525-535.	1.1	32
20	Silver nanoparticle based coatings enhance adipogenesis compared to osteogenesis in human mesenchymal stem cells through oxidative stress. Journal of Materials Chemistry B, 2016, 4, 1466-1479.	5.8	43
21	Preparation and characterization of TiO ₂ /silicate hierarchical coating on titanium surface for biomedical applications. Materials Science and Engineering C, 2016, 60, 308-316.	7.3	33
22	A novel titania/calcium silicate hydrate hierarchical coating on titanium. Colloids and Surfaces B: Biointerfaces, 2015, 134, 169-177.	5.0	40
23	Bioinspired self-assembly of tyrosinase-modified silicatein and fluorescent core-shell silica spheres. Bioinspiration and Biomimetics, 2014, 9, 044001.	2.9	7
24	Characterization and osteogenic activity of a silicatein/biosilica-coated chitosan-graft-polycaprolactone. Acta Biomaterialia, 2014, 10, 4456-4464.	8.3	28
25	Osteogenic potential of a biosilica-coated P(UDMA-co-MPS) copolymer. Journal of Materials Chemistry B, 2013, 1, 3339.	5.8	8
26	Formation of a micropatterned titania photocatalyst by microcontact printed silicatein on gold surfaces. Chemical Communications, 2012, 48, 11331.	4.1	13
27	Nano-beta-tricalcium phosphates synthesis and biodegradation: 2. Biodegradation and apatite layer formation on nano- β -TCP synthesized via microwave treatment. Biomedical Materials (Bristol), 2010, 5, 035015.	3.3	3
28	Characterization of Nano-Biphasic Calcium Phosphates Synthesized under Microwave Curing. Journal of Nano Research, 2008, 3, 67-87.	0.8	3
29	Nano-beta-tricalcium phosphates synthesis and biodegradation: 1. Effect of microwave and SO ₄ ²⁻ ions on β -TCP synthesis and its characterization. Biomedical Materials (Bristol), 2008, 3, 034121.	3.3	30