Tarek M Bedair

List of Publications by Year
in descending order

29	543	623734 14	642732 23
papers	citations	h-index	g-index

29	29	29	752
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances to accelerate re-endothelialization for vascular stents. Journal of Tissue Engineering, 2017, 8, 204173141773154.	5.5	69
2	Defined MSC exosome with high yield and purity to improve regenerative activity. Journal of Tissue Engineering, 2021, 12, 204173142110086.	5.5	47
3	Magnesium hydroxide-incorporated PLGA composite attenuates inflammation and promotes BMP2-induced bone formation in spinal fusion. Journal of Tissue Engineering, 2020, 11, 204173142096759.	5.5	42
4	Targeting EGFR/HER2 tyrosine kinases with a new potent series of 6-substituted 4-anilinoquinazoline hybrids: Design, synthesis, kinase assay, cell-based assay, and molecular docking. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5147-5154.	2.2	37
5	Biocompatible and functional inorganic magnesium ceramic particles for biomedical applications. Biomaterials Science, 2021, 9, 1903-1923.	5.4	29
6	Dithiocarbamate salts: biological activity, preparation, and utility in organic synthesis. Journal of Sulfur Chemistry, 2012, 33, 605-617.	2.0	27
7	Effects of interfacial layer wettability and thickness on the coating morphology and sirolimus release for drug-eluting stent. Journal of Colloid and Interface Science, 2015, 460, 189-199.	9.4	26
8	Effect of various shaped magnesium hydroxide particles on mechanical and biological properties of poly(lactic- co -glycolic acid) composites. Journal of Industrial and Engineering Chemistry, 2018, 59, 266-276.	5.8	25
9	Augmented re-endothelialization and anti-inflammation of coronary drug-eluting stent by abluminal coating with magnesium hydroxide. Biomaterials Science, 2019, 7, 2499-2510.	5.4	25
10	Biodegradable polymer brush as nanocoupled interface for improving the durability of polymer coating on metal surface. Colloids and Surfaces B: Biointerfaces, 2014, 122, 808-817.	5.0	24
11	Reinforcement of Interfacial Adhesion of a Coated Polymer Layer on a Cobaltâ€“Chromium Surface for Drug-Eluting Stents. Langmuir, 2014, 30, 8020-8028.	3.5	20
12	Biodegradable sheath-core biphasic monofilament braided stent for bio-functional treatment of esophageal strictures. Journal of Industrial and Engineering Chemistry, 2018, 67, 396-406.	5.8	18
13	A Promising Approach for Improving the Coating Stability and <I>In Vivo</I> Performance of Biodegradable Polymer-Coated Sirolimus-Eluting Stent. Journal of Biomedical Nanotechnology, 2016, 12, 2015-2028.	1.1	16
14	Facile synthesis of new imidazoles from direct reaction of 2,3â€diaminoâ€1,4â€naphthoquinone with aldehydes. Journal of Heterocyclic Chemistry, 2011, 48, 787-791.	2.6	14
15	Aminonaphthoquinones in heterocyclization. Journal of Heterocyclic Chemistry, 2012, 49, 9-20.	2.6	13
16	A Facile Method for the Synthesis of Hydrazineâ€4â€oxothiazolidine and Iminoâ€5â€oxothiadiazine Derivatives from 1,4â€Disubstituted Thiosemicarbazides. Journal of Heterocyclic Chemistry, 2014, 51, 44-49.	2.6	12
17	PCL microspheres containing magnesium hydroxide for dermal filler with enhanced physicochemical and biological performances. Journal of Industrial and Engineering Chemistry, 2019, 80, 854-861.	5.8	12
18	Synthesis of Thiazolidinâ€4â€ones from Substituted (Ylidene)hydrazinecarbothioamides and Dimethyl Acetylenedicarboxylate. Journal of Heterocyclic Chemistry, 2014, 51, 674-682.	2.6	11

#	Article	IF	Citations
19	The effect of solvents and hydrophilic additive on stable coating and controllable sirolimus release system for drug-eluting stent. Materials Science and Engineering C, 2017, 78, 39-46.	7.3	11
20	Persulfated flavonoids accelerated re-endothelialization and improved blood compatibility for vascular medical implants. Colloids and Surfaces B: Biointerfaces, 2019, 181, 174-184.	5.0	11
21	Crack prevention of biodegradable polymer coating on metal facilitated by a nano-coupled interlayer. Journal of Bioactive and Compatible Polymers, 2014, 29, 515-526.	2.1	10
22	Identification of Novel and Potent Indole-Based Benzenesulfonamides as Selective Human Carbonic Anhydrase II Inhibitors: Design, Synthesis, In Vitro, and In Silico Studies. International Journal of Molecular Sciences, 2022, 23, 2540.	4.1	9
23	Synthesis of Pyrazolylthiazole and Pyrazolyl-1,2,4-Triazepine Derivatives. Journal of Chemical Research, 2014, 38, 27-31.	1.3	8
24	Covalent immobilization of fibroblast-derived matrix on metallic stent for expeditious re-endothelialization. Journal of Industrial and Engineering Chemistry, 2019, 70, 385-393.	5.8	7
25	Sustained drug release using cobalt oxide nanowires for the preparation of polymer-free drug-eluting stents. Journal of Biomaterials Applications, 2018, 33, 352-362.	2.4	6
26	NMR Study of the Naphtho-1,3-dithioles Formed from Carbamodithioates and 2,3-dichloro-1,4-naphthoquinone. Journal of Chemical Research, 2009, 2009, 689-691.	1.3	5
27	Dual-Layer Coated Drug-Eluting Stents with Improved Degradation Morphology and Controlled Drug Release. Macromolecular Research, 2018, 26, 641-649.	2.4	5
28	Improved mechanical and biological properties of biodegradable thinner poly(l-lactic acid) tubes by bi-directional drawing. Journal of Industrial and Engineering Chemistry, 2020, 90, 85-94.	5.8	4
29	Coating defects in polymer-coated drug-eluting stents. Biomaterials and Biomechanics in Bioengineering, 2014, 1, 131-150.	0.1	0