Abshar Hasan

List of Publications by Year
in descending order

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30 papers	1,557 citations	361045 20 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	2001 citing authors

#	Article	IF	Citations
1	Effect of carbon based fillers on xylan/chitosan/nano-HAp composite matrix for bone tissue engineering application. International Journal of Biological Macromolecules, 2022, 197, 1-11.	3.6	11
2	Effect of cellulose nanocrystals on xylan/chitosan/nanoÎ²-TCP composite matrix for bone tissue engineering. Cellulose, 2022, 29, 5689-5709.	2.4	6
3	Implications of the Nanoscopic Surface Modification on the Protein Adsorption and Cell Adhesion. Nanotechnology in the Life Sciences, 2021, , 423-460.	0.4	0
4	Topographically guided hierarchical mineralization. Materials Today Bio, 2021, 11, 100119.	2.6	10
5	Antibacterial nano-biocomposite scaffolds of Chitosan, Carboxymethyl Cellulose and Zn & Fe integrated Hydroxyapatite (Chitosan-CMC-FZO@HAp) for bone tissue engineering. Cellulose, 2021, 28, 9207-9226.	2.4	26
6	Surface modification of Ti6Al4V by forming hybrid self-assembled monolayers and its effect on collagen-I adsorption, osteoblast adhesion and integrin expression. Applied Surface Science, 2020, 505, 144611.	3.1	25
7	Chain-End Modifications and Sequence Arrangements of Antimicrobial Peptoids for Mediating Activity and Nano-Assembly. Frontiers in Chemistry, 2020, 8, 416.	1.8	17
8	Self-Assembly of Minimal Peptoid Sequences. ACS Macro Letters, 2020, 9, 494-499.	2.3	21
9	Growthâ€Factor Free Multicomponent Nanocomposite Hydrogels That Stimulate Bone Formation. Advanced Functional Materials, 2020, 30, 1906205.	7.8	65
10	Surface Design for Immobilization of an Antimicrobial Peptide Mimic for Efficient Antiâ€Biofouling. Chemistry - A European Journal, 2020, 26, 5789-5793.	1.7	25
11	Preparation and optimization of chitosan nanoparticles from discarded squilla (<i>Carinosquilla) Tj ETQq1 1 0.784314 rgBT /Overlock 1 and Waste Management Association, 2020, 70, 1227-1235.	0.9	16
12	Crystallization and lamellar nanosheet formation of an aromatic dipeptoid. Chemical Communications, 2019, 55, 5867-5869.	2.2	17
13	Surface Functionalization of Ti6Al4V via Self-assembled Monolayers for Improved Protein Adsorption and Fibroblast Adhesion. Langmuir, 2018, 34, 3494-3506.	1.6	97
14	Recent advances in conventional and contemporary methods for remediation of heavy metal-contaminated soils. 3 Biotech, 2018, 8, 216.	1.1	124
15	Nano-biocomposite scaffolds of chitosan, carboxymethyl cellulose and silver nanoparticle modified cellulose nanowhiskers for bone tissue engineering applications. International Journal of Biological Macromolecules, 2018, 111, 923-934.	3.6	179
16	Edible oil nanoemulsion: An organic nanoantibiotic as a potential biomolecule delivery vehicle. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 410-419.	1.8	47
17	Effect of Zn/ZnO integration with hydroxyapatite: a review. Materials Technology, 2018, 33, 79-92.	1.5	47
18	Removal of methylene blue dye from aqueous solution using immobilized Agrobacterium fabrum biomass along with iron oxide nanoparticles as biosorbent. Environmental Science and Pollution Research, 2018, 25, 21605-21615.	2.7	108

#	Article	IF	Citations
19	Conformational and Organizational Insights into Serum Proteins during Competitive Adsorption on Self-Assembled Monolayers. Langmuir, 2018, 34, 8178-8194.	1.6	56
20	Synthesis, characterization and in vitro analysis of Î±-Fe2O3-GdFeO3 biphasic materials as therapeutic agent for magnetic hyperthermia applications. Materials Science and Engineering C, 2018, 92, 932-941.	3.8	58
21	Effect of Functional Groups of Self-Assembled Monolayers on Protein Adsorption and Initial Cell Adhesion. ACS Biomaterials Science and Engineering, 2018, 4, 3224-3233.	2.6	74
22	Laser cladding with HA and functionally graded TiO2-HA precursors on Tiâ€“6Alâ€“4V alloy for enhancing bioactivity and cyto-compatibility. Surface and Coatings Technology, 2018, 352, 420-436.	2.2	45
23	Therapeutic Advancement in Alzheimer Disease: New Hopes on the Horizon?. CNS and Neurological Disorders - Drug Targets, 2018, 17, 571-589.	0.8	26
24	Fabrication and characterization of chitosan, polyvinylpyrrolidone, and cellulose nanowhiskers nanocomposite films for wound healing drug delivery application. Journal of Biomedical Materials Research - Part A, 2017, 105, 2391-2404.	2.1	107
25	A novel bio-sorbent comprising encapsulated Agrobacterium fabrum (SLAJ731) and iron oxide nanoparticles for removal of crude oil co-contaminant, lead Pb(II). Journal of Environmental Chemical Engineering, 2017, 5, 442-452.	3.3	56
26	Kinetic studies of attachment and re-orientation of octyltriethoxysilane for formation of self-assembled monolayer on a silica substrate. Materials Science and Engineering C, 2016, 68, 423-429.	3.8	58
27	Review: Polymers, Surface-Modified Polymers, and Self Assembled Monolayers as Surface-Modifying Agents for Biomaterials. Polymer-Plastics Technology and Engineering, 2015, 54, 1358-1378.	1.9	54
28	High yield, facile aqueous synthesis and characterization of C18 functionalized iron oxide nanoparticles. Materials Research Express, 2015, 2, 045014.	0.8	10
29	Synthesis and surface engineering of magnetic nanoparticles for environmental cleanup and pesticide residue analysis: A review. Journal of Separation Science, 2014, 37, 1805-1825.	1.3	164
30	Mineralizing Coating on 3D Printed Scaffolds for the Promotion of Osseointegration. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	4