Nor Hasrul Akhmal Ngadiman

List of Publications by Year
in descending order

20 papers	421 citations	759233 12 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	557 citing authors

#	Article	IF	Citations
1	A review of evolution of electrospun tissue engineering scaffold: From two dimensions to three dimensions. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 597-616.	1.8	47
2	Î³-Fe2O3 nanoparticles filled polyvinyl alcohol as potential biomaterial for tissue engineering scaffold. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 90-104.	3.1	42
3	Review on Nanocrystalline Cellulose in Bone Tissue Engineering Applications. Polymers, 2020, 12, 2818.	4.5	40
4	A review of biomaterials scaffold fabrication in additive manufacturing for tissue engineering. Journal of Bioactive and Compatible Polymers, 2019, 34, 415-435.	2.1	39
5	Influence of Polyvinyl Alcohol Molecular Weight on the Electrospun Nanofiber Mechanical Properties. Procedia Manufacturing, 2015, 2, 568-572.	1.9	37
6	Development of highly porous biodegradable Î³-Fe2O3/polyvinyl alcohol nanofiber mats using electrospinning process for biomedical application. Materials Science and Engineering C, 2017, 70, 520-534.	7.3	37
7	Sustainability-Oriented Application of Value Stream Mapping: A Review and Classification. IEEE Access, 2021, 9, 68414-68434.	4.2	25
8	Application of Computational Method in Designing a Unit Cell of Bone Tissue Engineering Scaffold: A Review. Polymers, 2021, 13, 1584.	4.5	25
9	Novel Processing Technique to Produce Three Dimensional Polyvinyl Alcohol/Maghemite Nanofiber Scaffold Suitable for Hard Tissues. Polymers, 2018, 10, 353.	4.5	22
10	A Review on Plants and Biomass Wastes as Organic Green Corrosion Inhibitors for Mild Steel in Acidic Environment. Metals, 2021, 11, 1062.	2.3	17
11	Analyzing the Factors Enabling Green Lean Six Sigma Implementation in the Industry 4.0 Era. Sustainability, 2022, 14, 3450.	3.2	17
12	Optimization of simultaneous saccharification and fermentation process conditions for the production of succinic acid from oil palm empty fruit bunches. Journal of Wood Chemistry and Technology, 2020, 40, 136-145.	1.7	15
13	3D Biofabrication of Thermoplastic Polyurethane (TPU)/Poly-l-lactic Acid (PLLA) Electrospun Nanofibers Containing Maghemite (Î³-Fe2O3) for Tissue Engineering Aortic Heart Valve. Polymers, 2017, 9, 584.	4.5	13
14	A Comprehensive Review of Biopolymer Fabrication in Additive Manufacturing Processing for 3D-Tissue-Engineering Scaffolds. Polymers, 2022, 14, 2119.	4.5	12
15	Fabricating high mechanical strength Î³-Fe₂O₃ nanoparticles filled poly(vinyl) Tj ETQq1 1 0.784314 rgBT /O of Bioactive and Compatible Polymers, 2017, 32, 411-428.	2.1	9
16	Mechanical properties and biocompatibility of co-axially electrospun polyvinyl alcohol/maghemite. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 739-749.	1.8	8
17	OPTIMIZATION OF LIPASE IMMOBILIZATION ON MAGHEMITE AND ITS PHYSICO-CHEMICAL PROPERTIES. Brazilian Journal of Chemical Engineering, 2019, 36, 171-179.	1.3	7
18	Optimization of One-Pot Microwave-Assisted Ferrofluid Nanoparticles Synthesis Using Response Surface Methodology. IEEE Transactions on Magnetics, 2018, 54, 1-6.	2.1	3

#	Article	IF	Citations
19	Poly-lactic acid (PLA)/maghemite (Î³-Fe2O3) nanoparticles mixed with ultra hard and flexible (UHF) bio-resin for 3D tissue engineering scaffold. AIP Conference Proceedings, 2019, , .	0.4	3
20	Development of 3D Thermoplastic Polyurethane (TPU)/Maghemite (Ï'-Fe2O3) Using Ultra-Hard and Tough (UHT) Bio-Resin for Soft Tissue Engineering. Polymers, 2022, 14, 2561.	4.5	2