Nor Hasrul Akhmal Ngadiman

List of Publications by Year
in descending order

20 papers	421 citations	758635 12 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	557 citing authors

#	Article	IF	Citations
1	Analyzing the Factors Enabling Green Lean Six Sigma Implementation in the Industry 4.0 Era. Sustainability, 2022, 14, 3450.	1.6	17
2	A Comprehensive Review of Biopolymer Fabrication in Additive Manufacturing Processing for 3D-Tissue-Engineering Scaffolds. Polymers, 2022, 14, 2119.	2.0	12
3	Development of 3D Thermoplastic Polyurethane (TPU)/Maghemite (Î³-Fe2O3) Using Ultra-Hard and Tough (UHT) Bio-Resin for Soft Tissue Engineering. Polymers, 2022, 14, 2561.	2.0	2
4	Sustainability-Oriented Application of Value Stream Mapping: A Review and Classification. IEEE Access, 2021, 9, 68414-68434.	2.6	25
5	Application of Computational Method in Designing a Unit Cell of Bone Tissue Engineering Scaffold: A Review. Polymers, 2021, 13, 1584.	2.0	25
6	A Review on Plants and Biomass Wastes as Organic Green Corrosion Inhibitors for Mild Steel in Acidic Environment. Metals, 2021, 11, 1062.	1.0	17
7	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.	0.9	15
8	Review on Nanocrystalline Cellulose in Bone Tissue Engineering Applications. Polymers, 2020, 12, 2818.	2.0	40
9	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, , .	0.3	3
10	OPTIMIZATION OF LIPASE IMMOBILIZATION ON MAGHEMITE AND ITS PHYSICO-CHEMICAL PROPERTIES. Brazilian Journal of Chemical Engineering, 2019, 36, 171-179.	0.7	7
11	A review of biomaterials scaffold fabrication in additive manufacturing for tissue engineering. Journal of Bioactive and Compatible Polymers, 2019, 34, 415-435.	0.8	39
12	Optimization of One-Pot Microwave-Assisted Ferrofluid Nanoparticles Synthesis Using Response Surface Methodology. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	3
13	Novel Processing Technique to Produce Three Dimensional Polyvinyl Alcohol/Maghemite Nanofiber Scaffold Suitable for Hard Tissues. Polymers, 2018, 10, 353.	2.0	22
14	Fabricating high mechanical strength Î³-Fe₂O₃ nanoparticles filled poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 of Bioactive and Compatible Polymers, 2017, 32, 411-428.	0.8	9
15	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.	1.0	47
16	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.	3.8	37
17	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.	2.0	13
18	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.	1.0	8

#	Article	IF	Citations
19	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.	1.5	42
20	Influence of Polyvinyl Alcohol Molecular Weight on the Electrospun Nanofiber Mechanical Properties. Procedia Manufacturing, 2015, 2, 568-572.	1.9	37