

Wan Sharuzi Wan Harun

List of Publications by Citations

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52
papers

1,648
citations

15
h-index

40
g-index

56
ext. papers

2,170
ext. citations

2.6
avg, IF

5.07
L-index

#	Paper	IF	Citations
52	Corrosion and surface modification on biocompatible metals: A review. <i>Materials Science and Engineering C</i> , 2017 , 77, 1261-1274	8.3	312
51	Study of corrosion in biocompatible metals for implants: A review. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 698-715	5.7	292
50	A review of hydroxyapatite-based coating techniques: Sol-gel and electrochemical depositions on biocompatible metals. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 57, 95-108	4.1	208
49	A comprehensive review of hydroxyapatite-based coatings adhesion on metallic biomaterials. <i>Ceramics International</i> , 2018 , 44, 1250-1268	5.1	180
48	A review of powder additive manufacturing processes for metallic biomaterials. <i>Powder Technology</i> , 2018 , 327, 128-151	5.2	162
47	A review of biocompatible metal injection moulding process parameters for biomedical applications. <i>Materials Science and Engineering C</i> , 2017 , 78, 1263-1276	8.3	78
46	A review of powdered additive manufacturing techniques for Ti-6Al-4V biomedical applications. <i>Powder Technology</i> , 2018 , 331, 74-97	5.2	66
45	A review of processing techniques for graphene-reinforced metal matrix composites. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 957-985	4.1	38
44	Statistical and optimize of lattice structures with selective laser melting (SLM) of Ti6AL4V material. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 495-510	3.2	33
43	Surface characterisation and corrosion behaviour of oxide layer for SLMed-316L stainless steel. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 1044-1052	5.7	26
42	Finite element study of functionally graded porous femoral stems incorporating body-centered cubic structure. <i>Artificial Organs</i> , 2019 , 43, E152-E164	2.6	22
41	Effect of heat treatment on mechanical properties and microstructure of selective laser melting 316L stainless steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012021	0.4	21
40	Highly porous of hydroxyethyl cellulose biocomposite scaffolds for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 562-571	7.9	20
39	Ultrasonication an intensifying tool for preparation of stable nanofluids and study the time influence on distinct properties of graphene nanofluids - A systematic overview. <i>Ultrasonics Sonochemistry</i> , 2021 , 73, 105479	8.9	17
38	A novel design, analysis and 3D printing of Ti-6Al-4V alloy bio-inspired porous femoral stem. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 78	4.5	16
37	Characteristic studies of collapsibility of ABS patterns produced from FDM for investment casting. <i>Materials Research Innovations</i> , 2009 , 13, 340-343	1.9	15
36	Evaluation of ABS patterns produced from FDM for investment casting process 2009 ,		15

35	A Review on the Preparation of Magnesium-Based Alloys Prepared by Powder Metallurgy and the Evolution of Microstructure and Mechanical Properties. <i>Key Engineering Materials</i> , 2019 , 796, 3-10	0.4	14
34	Dimensional Accuracy Study of Open Cellular Structure CoCrMo Alloy Fabricated by Selective Laser Melting Process. <i>Advanced Materials Research</i> , 2016 , 1133, 280-284	0.5	12
33	Dimensional accuracy of internal cooling channel made by selective laser melting (SLM) And direct metal laser sintering (DMLS) processes in fabrication of internally cooled cutting tools. <i>MATEC Web of Conferences</i> , 2017 , 90, 01058	0.3	9
32	Optimization of Warpage Defect in Injection Moulding Process Using ABS Material 2009 ,		8
31	Hydroxyapatite-Based Coating on Biomedical Implant 2018 ,		7
30	The behavior of Aluminium Carbon/Epoxy fibre metal laminate under quasi-static loading. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012046	0.4	6
29	A systematic review on graphene-based nanofluids application in renewable energy systems: Preparation, characterization, and thermophysical properties. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 44, 101058	4.7	6
28	Efficiency enhancement of a solar dish collector operating with a novel soybean oil-based-MXene nanofluid and different cavity receivers. <i>Journal of Cleaner Production</i> , 2021 , 317, 128430	10.3	6
27	Thermal performance of nanomaterial in solar collector: State-of-play for graphene. <i>Journal of Energy Storage</i> , 2021 , 42, 103022	7.8	6
26	Critical evaluation on structural stiffness of porous cellular structure of cobalt chromium alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012019	0.4	5
25	Experimental study on properties of hybrid stable & surfactant-free nanofluids GNPs/CNCs (Graphene nanoplatelets/cellulose nanocrystal) in water/ethylene glycol mixture for heat transfer application. <i>Journal of Molecular Liquids</i> , 2021 , 348, 118019	6	5
24	Study of solvent debinding parameters for metal injection moulded 316L stainless steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012035	0.4	4
23	Effect of MIM Processing Parameters on the Properties of 440C Stainless Steel. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2012 , 59, 264-271	0.2	4
22	Microstructural comparison and mechanical properties of stainless steel 316L fabricated by selective laser melting and metal injection moulding processes. <i>International Journal of Manufacturing Technology and Management</i> , 2019 , 33, 76	0.4	4
21	Nanofluid as coolant for grinding process: An overview. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 342, 012078	0.4	4
20	Electrochemical Exfoliation of Pencil Graphite Core by Salt Electrolyte. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012105	0.4	3
19	Paraffin wax removal from metal injection moulded cocrmo alloy compact by solvent debinding process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012020	0.4	3
18	Investigation of mechanical properties for open cellular structure CoCrMo alloy fabricated by selective laser melting process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012033	0.4	3

17	Effect of ECAP die angle to the microstructure and mechanical properties of bulk nanostructured Al-6061. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012054	0.4	2
16	Experimental investigation of biological and mechanical properties of CoCrMo based selective laser melted metamaterials for bone implant manufacturing. <i>Procedia CIRP</i> , 2020 , 89, 79-91	1.8	2
15	Physical evaluations of Co-Cr-Mo parts processed using different additive manufacturing techniques 2017 ,		2
14	Effect of sintering temperature on physical properties & hardness of CoCrMo alloys fabricated by metal injection moulding process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012010	0.4	2
13	Finite Element Simulation of Equal Channel Angular Pressing: Effect of Die Angle and Number of Passes. <i>International Journal of Automotive and Mechanical Engineering</i> , 2019 , 16, 6402-6414	1.4	2
12	Experimental Study on the Efficiency Improvement of Flat Plate Solar Collectors Using Hybrid Nanofluids Graphene/Waste Cotton. <i>Energies</i> , 2022 , 15, 2309	3.1	2
11	Electrochemical deposited nickel nanowires: influence of deposition bath temperature on the morphology and physical properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012032	0.4	1
10	Investigation of Fine Heterogeneous Microstructure on the Mechanical Properties of MIM Fe-Ni Alloy Steels. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2012 , 59, 677-684	0.2	1
9	Chromium Enrichment on P11 Ferritic Steel by Pack Cementation. <i>MATEC Web of Conferences</i> , 2016 , 74, 00036	0.3	1
8	Sintering temperature effects on the properties of stainless steel 316L compact fabricated by metal injection moulding. <i>International Journal of Manufacturing Technology and Management</i> , 2019 , 33, 37	0.4	1
7	Heat transfer performance of a radiator with and without louvered strip by using Graphene-based nanofluids. <i>Journal of Thermal Engineering</i> , 1315-1328	1.1	1
6	A Comprehensive Review on Efficiency Enhancement of Solar Collectors Using Hybrid Nanofluids. <i>Energies</i> , 2022 , 15, 1391	3.1	1
5	Mechanical behavior of selective laser melting-produced metallic biomaterials 2019 , 101-116		0
4	Optimization of Multi-Pass Pocket Milling Parameter Using Ant Colony Optimization. <i>Advanced Materials Research</i> , 2014 , 1043, 65-70	0.5	0
3	Morphology evaluation of ZrO ₂ dip coating on mild steel and its corrosion performance in NaOH solution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012087	0.4	
2	Influence of boric acid (H ₃ BO ₃) concentration on the physical properties of electrochemical deposited nickel (Ni) nanowires. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012033	0.4	
1	Enhanced Cooling Process of Furnace Using Vortex Tube Cooling Device. <i>MATEC Web of Conferences</i> , 2018 , 225, 03012	0.3	