Wan Sharuzi Wan Harun

List of Publications by Year in Descending Order

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	A Comprehensive Review on Efficiency Enhancement of Solar Collectors Using Hybrid Nanofluids. *Energies*, **2022**, 15, 1391	3.1	1
51	Experimental Study on the Efficiency Improvement of Flat Plate Solar Collectors Using Hybrid Nanofluids Graphene/Waste Cotton. *Energies*, **2022**, 15, 2309	3.1	2
50	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. *Journal of Molecular Liquids*, **2021**, 348, 118019	6	5
49	A systematic review on graphene-based nanofluids application in renewable energy systems: Preparation, characterization, and thermophysical properties. *Sustainable Energy Technologies and Assessments*, **2021**, 44, 101058	4.7	6
48	Ultrasonication an intensifying tool for preparation of stable nanofluids and study the time influence on distinct properties of graphene nanofluids - A systematic overview. *Ultrasonics Sonochemistry*, **2021**, 73, 105479	8.9	17
47	Efficiency enhancement of a solar dish collector operating with a novel soybean oil-based-MXene nanofluid and different cavity receivers. *Journal of Cleaner Production*, **2021**, 317, 128430	10.3	6
46	Thermal performance of nanomaterial in solar collector: State-of-play for graphene. *Journal of Energy Storage*, **2021**, 42, 103022	7.8	6
45	Experimental investigation of biological and mechanical properties of CoCrMo based selective laser melted metamaterials for bone implant manufacturing. *Procedia CIRP*, **2020**, 89, 79-91	1.8	2
44	A novel design, analysis and 3D printing of Ti-6Al-4V alloy bio-inspired porous femoral stem. *Journal of Materials Science: Materials in Medicine*, **2020**, 31, 78	4.5	16
43	Electrochemical Exfoliation of Pencil Graphite Core by Salt Electrolyte. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012105	0.4	3
42	Mechanical behavior of selective laser melting-produced metallic biomaterials **2019**, 101-116		0
41	A review of processing techniques for graphene-reinforced metal matrix composites. *Materials and Manufacturing Processes*, **2019**, 34, 957-985	4.1	38
40	A Review on the Preparation of Magnesium-Based Alloys Prepared by Powder Metallurgy and the Evolution of Microstructure and Mechanical Properties. *Key Engineering Materials*, **2019**, 796, 3-10	0.4	14
39	Effect of ECAP die angle to the microstructure and mechanical properties of bulk nanostructured Al-6061. *IOP Conference Series: Materials Science and Engineering*, **2019**, 469, 012054	0.4	2
38	Finite element study of functionally graded porous femoral stems incorporating body-centered cubic structure. *Artificial Organs*, **2019**, 43, E152-E164	2.6	22
37	Finite Element Simulation of Equal Channel Angular Pressing: Effect of Die Angle and Number of Passes. *International Journal of Automotive and Mechanical Engineering*, **2019**, 16, 6402-6414	1.4	2
36	Microstructural comparison and mechanical properties of stainless steel 316L fabricated by selective laser melting and metal injection moulding processes. *International Journal of Manufacturing Technology and Management*, **2019**, 33, 76	0.4	4

35	Sintering temperature effects on the properties of stainless steel 316L compact fabricated by metal injection moulding. *International Journal of Manufacturing Technology and Management*, **2019**, 33, 37	0.4	1
34	Highly porous of hydroxyethyl cellulose biocomposite scaffolds for tissue engineering. *International Journal of Biological Macromolecules*, **2019**, 122, 562-571	7.9	20
33	Statistical and optimize of lattice structures with selective laser melting (SLM) of Ti6AL4V material. *International Journal of Advanced Manufacturing Technology*, **2018**, 97, 495-510	3.2	33
32	A review of powder additive manufacturing processes for metallic biomaterials. *Powder Technology*, **2018**, 327, 128-151	5.2	162
31	A review of powdered additive manufacturing techniques for Ti-6al-4v biomedical applications. *Powder Technology*, **2018**, 331, 74-97	5.2	66
30	Surface characterisation and corrosion behaviour of oxide layer for SLMed-316L stainless steel. *Journal of Alloys and Compounds*, **2018**, 748, 1044-1052	5.7	26
29	A comprehensive review of hydroxyapatite-based coatings adhesion on metallic biomaterials. *Ceramics International*, **2018**, 44, 1250-1268	5.1	180
28	Hydroxyapatite-Based Coating on Biomedical Implant **2018**,		7
27	Enhanced Cooling Process of Furnace Using Vortex Tube Cooling Device. *MATEC Web of Conferences*, **2018**, 225, 03012	0.3	
26	Nanofluid as coolant for grinding process: An overview. *IOP Conference Series: Materials Science and Engineering*, **2018**, 342, 012078	0.4	4
25	Study of corrosion in biocompatible metals for implants: A review. *Journal of Alloys and Compounds*, **2017**, 701, 698-715	5.7	292
24	A review of biocompatible metal injection moulding process parameters for biomedical applications. *Materials Science and Engineering C*, **2017**, 78, 1263-1276	8.3	78
23	Corrosion and surface modification on biocompatible metals: A review. *Materials Science and Engineering C*, **2017**, 77, 1261-1274	8.3	312
22	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. *MATEC Web of Conferences*, **2017**, 90, 01058	0.3	9
21	Electrochemical deposited nickel nanowires: influence of deposition bath temperature on the morphology and physical properties. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012032	0.4	1
20	The behavior of Aluminium Carbon/Epoxy fibre metal laminate under quasi-static loading. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012046	0.4	6
19	Physical evaluations of Co-Cr-Mo parts processed using different additive manufacturing techniques **2017**,		2
18	Paraffin wax removal from metal injection moulded cocrmo alloy compact by solvent debinding process. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012020	0.4	3

17	Effect of heat treatment on mechanical properties and microstructure of selective laser melting 316L stainless steel. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012021	0.4	21
16	Effect of sintering temperature on physical properties & hardness of CoCrMo alloys fabricated by metal injection moulding process. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012010	0.4	2
15	Morphology evaluation of ZrO2dip coating on mild steel and its corrosion performance in NaOH solution. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012087	0.4	
14	Study of solvent debinding parameters for metal injection moulded 316L stainless steel. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012035	0.4	4
13	Influence of boric acid (H3BO3) concentration on the physical properties of electrochemical deposited nickel (Ni) nanowires. *IOP Conference Series: Materials Science and Engineering*, **2017**, 257, 012033	0.4	
12	Dimensional Accuracy Study of Open Cellular Structure CoCrMo Alloy Fabricated by Selective Laser Melting Process. *Advanced Materials Research*, **2016**, 1133, 280-284	0.5	12
11	A review of hydroxyapatite-based coating techniques: Sol-gel and electrochemical depositions on biocompatible metals. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 57, 95-108	4.1	208
10	Chromium Enrichment on P11 Ferritic Steel by Pack Cementation. *MATEC Web of Conferences*, **2016**, 74, 00036	0.3	1
9	Investigation of mechanical properties for open cellular structure CoCrMo alloy fabricated by selective laser melting process. *IOP Conference Series: Materials Science and Engineering*, **2015**, 100, 012033	0.4	3
8	Critical evaluation on structural stiffness of porous cellular structure of cobalt chromium alloy. *IOP Conference Series: Materials Science and Engineering*, **2015**, 100, 012019	0.4	5
7	Optimization of Multi-Pass Pocket Milling Parameter Using Ant Colony Optimization. *Advanced Materials Research*, **2014**, 1043, 65-70	0.5	0
6	Effect of MIM Processing Parameters on the Properties of 440C Stainless Steel. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2012**, 59, 264-271	0.2	4
5	Investigation of Fine Heterogeneous Microstructure on the Mechanical Properties of MIM Fe-Ni Alloy Steels. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2012**, 59, 677-684	0.2	1
4	Optimization of Warpage Defect in Injection Moulding Process Using ABS Material **2009**,		8
3	Characteristic studies of collapsibility of ABS patterns produced from FDM for investment casting. *Materials Research Innovations*, **2009**, 13, 340-343	1.9	15
2	Evaluation of ABS patterns produced from FDM for investment casting process **2009**,		15
1	Heat transfer performance of a radiator with and without louvered strip by using Graphene-based nanofluids. *Journal of Thermal Engineering*,1315-1328	1.1	1