

Muhannad Al-Waily

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6046825/muhannad-al-waily-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

315
citations

10
h-index

16
g-index

41
ext. papers

389
ext. citations

0.6
avg, IF

4.27
L-index

#	Paper	IF	Citations
35	An Analytical Investigation of Thermal Buckling Behavior of Composite Plates Reinforced by Carbon Nano Particles. <i>Engineering Journal</i> , 2020 , 24, 11-21	1.8	35
34	Experimental Testing and Theoretical Prediction of Fiber Optical Cable for Fault Detection and Identification. <i>Journal of Engineering and Applied Sciences</i> , 2019 , 14, 430-438	1.3	29
33	NUMERICAL MODELING FOR MECHANICAL CHARACTERISTICS STUDY OF DIFFERENT MATERIALS ARTIFICIAL HIP JOINT WITH INCLINATION AND GAIT CYCLE ANGLE EFFECT. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , 2019 , 42, 79-93	1.6	27
32	Optimization CFD study of erosion in 3D elbow during transportation of crude oil contaminated with sand particles. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 1420	0.8	25
31	An Investigation to the Effects of Impact Strength on Laminated Notched Composites used in Prosthetic Sockets Manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 928 , 022081	0.4	21
30	Fatigue Characterization for Composite Materials used in Artificial Socket Prostheses with the Adding of Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 928 , 022107	0.4	20
29	Effects of Temperature on the Characterisation of a New Design for a Non-Articulated Prosthetic Foot. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 433, 012064	0.4	19
28	Numerical and Experimental Analysis to Predict Life of Removable Partial Denture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 870, 012149	0.4	17
27	Dissimilar Aluminium Alloys Welding by Friction Stir Processing and Reverse Rotation Friction Stir Processing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012059	0.4	14
26	A Critical Review of Recent Research of Free Vibration and Stability of Functionally Graded Materials of Sandwich Plate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1094, 012081	0.4	11
25	Free vibration analysis of imperfect functionally graded sandwich plates: analytical and experimental investigation. <i>Archives of Materials Science and Engineering</i> , 2021 , 111, 49-65	0.6	6
24	Numerical Investigation of Mechanical Behavior for Lattice Structure with Effect of Different Nanomaterial Types. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1094, 012172	0.4	6
23	A Finite Element Simulation of Nano Effects on Stress Distribution in a Below Knee Prosthetic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1067, 012141	0.4	6
22	EFFECT OF NANO ZINC OXIDE ON TENSILE PROPERTIES OF NATURAL RUBBER COMPOSITE. <i>Maallat Al-Khat Al-handasiyyat</i> , 2018 , 9, 77-90	1.6	5
21	Improvement of Buckling Behavior of Composite Plates Reinforced with Hybrids Nanomaterials Additives. <i>Materials Science Forum</i> , 1039 , 23-41	0.4	5
20	Analytical and Numerical Investigation of Free Vibration Behavior for Sandwich Plate with Functionally Graded Porous Metal Core. <i>Pertanika Journal of Science and Technology</i> , 2021 , 29,	1.1	5
19	The Mechanical Properties of the Lower Limb Socket Material Using Natural Fibers: A Review. <i>Materials Science Forum</i> , 1039 , 473-492	0.4	5

18	Energy balance modelling of high velocity impact effect on composite plate structures. <i>Archives of Materials Science and Engineering</i> , 2021 , 111, 14-33	0.6	4
17	Ogden model for characterising and simulation of PPHR Rubber under different strain rates. <i>Australian Journal of Mechanical Engineering</i> ,1-15	1	4
16	Optimization design of vibration characterizations for functionally graded porous metal sandwich plate structure. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	4
15	Investigation into the Distribution of Erosion-Corrosion in the Furnace Tubes of Oil Refineries. <i>Materials Science Forum</i> ,1039, 165-181	0.4	4
14	Effect of SiO ₂ and Al ₂ O ₃ Hybrid Nano Materials on Fatigue Behavior for Laminated Composite Materials Used to Manufacture Artificial Socket Prostheses. <i>Materials Science Forum</i> ,1039, 493-509	0.4	4
13	Impact and Mechanical Properties Modifying for Below Knee Prosthesis Socket Laminations by using Natural Kenaf Fiber. <i>Journal of Physics: Conference Series</i> , 2021 , 1973, 012168	0.3	4
12	A new method for measurement the residual stresses in friction stir welding. <i>Archives of Materials Science and Engineering</i> , 2021 , 112, 63-69	0.6	4
11	Analytical and numerical flexural properties of polymeric porous functionally graded (PFGM) sandwich beams. <i>Journal of Achievements in Materials and Manufacturing Engineering</i> , 2022 , 110, 5-10	0.5	3
10	Optimisation Design of Functionally Graded Sandwich Plate with Porous Metal Core for Buckling Characterisations. <i>Pertanika Journal of Science and Technology</i> , 2021 , 29,	1.1	3
9	Analytical and Numerical Investigations of Mechanical Vibration in the Vertical Direction of a Human Body in a Driving Vehicle using Biomechanical Vibration Model. <i>Pertanika Journal of Science and Technology</i> , 2021 , 29,	1.1	3
8	Microclimate Energy Considerations in Building Design for Arid Regions. <i>Nature Environment and Pollution Technology</i> , 2020 , 19, 1125-1131	1.2	2
7	Analytical and numerical investigation of buckling load of functionally graded materials with porous metal of sandwich plate. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	2
6	Creep characterization of various prosthetic and orthotics composite materials with nanoparticles using an experimental program and an artificial neural network. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	2
5	Water hammer phenomenon in pumping stations: A stability investigation based on root locus. <i>Open Engineering</i> , 2022 , 12, 254-262	1.7	2
4	Flow parameters effect on water hammer stability in hydraulic system by using state-space method. <i>Open Engineering</i> , 2022 , 12, 215-226	1.7	2
3	Steady state heat conduction 2022 , 515-568		
2	Application of finite element to the vibration problems 2022 , 467-514		
1	Energy methods in vibrations 2022 , 165-237		

