

W K Ahmed

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6364514/w-k-ahmed-publications-by-year.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.

57
papers

414
citations

10
h-index

18
g-index

76
ext. papers

572
ext. citations

2.1
avg, IF

4.33
L-index

#	Paper	IF	Citations
57	ABS/Silicon Dioxide Micro Particulate Composite from 3D Printing Polymeric Waste.. <i>Polymers</i> , 2022 , 14,	4.5	1
56	Producing Particulate Composite Using 3D Printing Plastics Waste 2022 ,		1
55	Carbon Fiber/PLA Recycled Composite. <i>Polymers</i> , 2022 , 14, 2194	4.5	1
54	Dimensional Stability of 3D Printed Objects Made from Plastic Waste Using FDM: Potential Construction Applications. <i>Buildings</i> , 2021 , 11, 516	3.2	4
53	Mechanical performance of three-dimensional printed sandwich composite with a high-flexible core. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021 , 235, 1382-1400	1.3	6
52	Embracing Additive Manufacturing Technology through Fused Filament Fabrication for Antimicrobial with Enhanced Formulated Materials. <i>Polymers</i> , 2021 , 13,	4.5	9
51	Using Videos in Blended E-Learning for a Structural Steel Design Course. <i>Education Sciences</i> , 2021 , 11, 290	2.2	5
50	Undergraduate Research Program to Recycle Composite Waste. <i>Education Sciences</i> , 2021 , 11, 354	2.2	2
49	Fracture Mechanics Performance of Through-Thickness Crack of Polymeric 3D Printed Components. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 269-279	0.4	1
48	The Capabilities of 3D Printing Technology in the Production of Battery Energy Storage System 2021 ,		1
47	Comprehensive Characterization of Polymeric Composites Reinforced with Silica Microparticles Using Leftover Materials of Fused Filament Fabrication 3D Printing. <i>Polymers</i> , 2021 , 13,	4.5	3
46	CHAD: Compact Hand-Assistive Device for enhancement of function in hand impairments. <i>Robotics and Autonomous Systems</i> , 2021 , 142, 103784	3.5	2
45	3D Printed Implants for Joint Replacement 2021 , 97-119		2
44	Magneto-Free Convective of Hybrid Nanofluid inside Non-Darcy Porous Enclosure Containing an Adiabatic Rotating Cylinder. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-16	1.6	9
43	Nano cement mortars for construction materials 2020 , 649-692		1
42	Investigating the Mechanical Properties of 3D Printed Components 2020 ,		9
41	Three-dimensional printing of ceramic powder technology 2020 , 351-383		6

40	Investigating the use of no-dig technologies for underground utilities in developing countries. <i>Innovative Infrastructure Solutions</i> , 2020 , 5, 1	2.3	2
39	Ionic Liquid Potential to Recycle Polymeric Waste: An Experimental Investigation. <i>Materials Research</i> , 2020 , 23,	1.5	2
38	The Innovation of Using 3D Printing Technology in Mechanical and Manufacturing Engineering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 938, 012002	0.4	2
37	The Implications of Pressure on Electronic, Magnetic, Mechanical, and Elastic Properties of Cobalt and Cobalt Hydride: DFT Calculation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 3451-3481	1.5	1
36	3D Printing PLA Waste to Produce Ceramic Based Particulate Reinforced Composite Using Abundant Silica-Sand: Mechanical Properties Characterization. <i>Polymers</i> , 2020 , 12,	4.5	25
35	Implementing FDM 3D Printing Strategies Using Natural Fibers to Produce Biomass Composite. <i>Materials</i> , 2020 , 13,	3.5	27
34	Mathematical modeling and simulation of interfaces between fiber and its matrix 2020 , 91-99		
33	2019 ,		6
32	Designing an Innovative CubeSat Payload to Investigate Material Properties for UAE Space Missions 2019 ,		2
31	Video-based e-learning for an undergraduate engineering course. <i>E-Learning and Digital Media</i> , 2019 , 16, 475-496	1.3	3
30	2019 ,		3
29	Investigating the Compressive Strength of CFRP Pre-Preg Scrap from Aerospace Industries: Compression Molding 2019 ,		1
28	Boosting Teaching Experience in Mechanical Engineering Courses Using Additive Manufacturing Technologies 2019 ,		4
27	Structural, electronic and thermal properties of Al _x Ga _{1-x} As ternary alloys: Insights from DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2019 , 92, 140-146	2.8	3
26	Blending QR code with video learning in the pedagogical process for the college foundation level. <i>Interactive Technology and Smart Education</i> , 2019 , 17, 67-85	2.4	1
25	2018 ,		2
24	3D printing innovations in UAE: Case study: Abu Dhabi summer challenge 2017 2018 ,		10
23	Doping-Induced Half-Metallic Ferromagnetism in Vanadium and Chromium-Doped Alkali Oxides K ₂ O and Rb ₂ O: Ab Initio Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 2197-2210	1.5	28

22	Adsorption of Bilirubin Toxin in Liver by Chitosan Coated Activated Carbon Prepared from Date Pits. <i>Lecture Notes in Computer Science</i> , 2017 , 247-260	0.9	1
21	Experimenting E-Learning for Postgraduate Courses. <i>International Journal of Emerging Technologies in Learning</i> , 2016 , 11, 126	1.4	3
20	Investigating the Structural, Thermal, and Electronic Properties of the Zircon-Type ZrSiO ₄ , ZrGeO ₄ and HfSiO ₄ Compounds. <i>Journal of Electronic Materials</i> , 2016 , 45, 5811-5821	1.9	9
19	Half-metallicity and optoelectronic properties of V-doped zincblende ZnS and CdS alloys. <i>International Journal of Modern Physics B</i> , 2016 , 30, 1650034	1.1	11
18	Detailed DFT studies of the electronic structure and optical properties of KBaMSe ₃ (M = As, Sb). <i>Journal of Alloys and Compounds</i> , 2015 , 644, 91-96	5.7	12
17	Structural, mechanical, electronic and magnetic properties of a new series of quaternary Heusler alloys CoFeMnZ (Z=Si, As, Sb): A first-principle study. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 165-174	2.8	83
16	Fracture Assessment of Strengthened Cracked Metallic Components Using FRP Stiffeners. <i>Mechanics of Composite Materials</i> , 2015 , 51, 301-312	1.1	3
15	Spin-polarized structural, elastic, electronic and magnetic properties of half-metallic ferromagnetism in V-doped ZnSe. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 50-60	2.8	24
14	Using blended learning for self-learning. <i>International Journal of Technology Enhanced Learning</i> , 2015 , 7, 91	1.2	4
13	Studying structural, electronic and optical properties of zinc-blende Ga _{1-x} Al _x P at normal and under pressure by means of first principle. <i>Materials Research Express</i> , 2015 , 2, 105904	1.7	4
12	Mechanical properties of nano-cement mortar: Compression and tension 2015 ,		1
11	Thermal response of a ferrocement cavity wall under direct fire. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2015 , 6, 229-235		0
10	Cadmium effect on optical properties of Cu ₂ Zn _{1-x} CdxSnS ₄ quaternary alloys nanostructures. <i>Solar Energy</i> , 2015 , 114, 39-50	6.8	44
9	Structural and optical investigations of In doped ZnO binary compound. <i>Materials Express</i> , 2014 , 4, 159-164		12
8	SIF Prediction of Nanocomposite With Interfacial Debonding 2014 ,		1
7	Characterisation of fractured particulate reinforced composite. <i>International Journal of Microstructure and Materials Properties</i> , 2014 , 9, 160	0.4	2
6	Development of Nanocement Mortar as a Construction Material. <i>Advanced Materials Research</i> , 2013 , 795, 684-691	0.5	3
5	Strengthening of Misaligned Welded Pipes with Outer Circumferentially Crack Using FRP Bandage Finite Element Analysis 2013 , 66-73		4

4	E-Learning as a Stimulation Methodology to Undergraduate Engineering Students. <i>International Journal of Emerging Technologies in Learning</i> , 2013 , 8, 4	1.4	4
3	Effect of Nano-Circular Inclusion on the Interfacial Stresses of a Nano-Composite. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
2	Processing Biodegradable Fused Filament Fabrication Waste with Micro-Silica Particles. <i>Key Engineering Materials</i> ,907, 156-162	0.4	0
1	Evaluating Post Machining Process of 3D Printing Topology Optimization. <i>Key Engineering Materials</i> ,878, 113-118	0.4	