

Mou'ad A Tarawneh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rice husk flour biocomposites based on recycled high-density polyethylene/polyethylene terephthalate blend: effect of high filler loading on physical, mechanical and thermal properties. <i>Journal of Composite Materials</i> , 2015, 49, 1241-1253.	2.4	43
2	Mechanical, water absorption, and morphology of recycled polymer blend rice husk flour biocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	39
3	Gamma irradiation influence on mechanical, thermal and conductivity properties of hybrid carbon nanotubes/montmorillonite nanocomposites. <i>Radiation Physics and Chemistry</i> , 2021, 179, 109168.	2.8	32
4	Tensile, thermal degradation and water diffusion behaviour of gamma-radiation induced recycled polymer blend/rice husk composites: Experimental and statistical analysis. <i>Composites Science and Technology</i> , 2021, 207, 108748.	7.8	31
5	Effect of polymer blend matrix compatibility and fibre reinforcement content on thermal stability and flammability of ecocomposites made from waste materials. <i>Thermochimica Acta</i> , 2016, 640, 52-61.	2.7	29
6	Sonication effect on the mechanical properties of MWCNTs reinforced natural rubber. <i>Journal of Composite Materials</i> , 2013, 47, 579-585.	2.4	25
7	Hybridization of a thermoplastic natural rubber composite with multi-walled carbon nanotubes/silicon carbide nanoparticles and the effects on morphological, thermal, and mechanical properties. <i>Polymer Composites</i> , 2019, 40, E695.	4.6	20
8	High loading rice husk green composites: Dimensional stability, tensile behavior and prediction, and combustion properties. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 882-897.	4.2	20
9	Magnetic, thermal stability and dynamic mechanical properties of beta isotactic polypropylene/natural rubber blends reinforced by NiZn ferrite nanoparticles. <i>Defence Technology</i> , 2019, 15, 958-963.	4.2	18
10	Mechanical reinforcement with enhanced electrical and heat conduction of epoxy resin by polyaniline and graphene nanoplatelets. <i>Nanotechnology Reviews</i> , 2020, 9, 1550-1561.	5.8	18
11	Mechanical, thermal, and conductivity performances of novel thermoplastic natural rubber/graphene nanoplates/polyaniline composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48873.	2.6	16
12	Comparison of activated carbon and zeolites™ filtering efficiency in freshwater. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103223.	6.7	14
13	Thermoplastic natural rubber composites reinforced with OMMT, MWNTs, and hybrid OMMT™MWNTs. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1745-1752.	3.1	13
14	Comparison of magnetic and microwave absorbing properties between multiwalled carbon nanotubes nanocomposite, nickel zinc ferrite nanocomposite and hybrid nanocomposite. <i>World Journal of Engineering</i> , 2014, 11, 317-322.	1.6	9
15	Adsorption and dissociation of the methanethiol (CH ₃ SH) molecule on the Fe(100) surface. <i>Surface and Interface Analysis</i> , 2020, 52, 156-166.	1.8	5
16	Nanosystem™s density functional theory study of the chlorine adsorption on the Fe(100) surface. <i>Nanotechnology Reviews</i> , 2021, 10, 719-727.	5.8	5
17	Morphology and Mechanical Properties of NiZn Ferrite/Thermoplastic Natural Rubber Composite. <i>Advanced Materials Research</i> , 0, 925, 308-312.	0.3	4
18	Optical Characterization of Thin Films Poly (Ethylene Oxide) Doped with Cesium Iodide. <i>Journal of Nano- and Electronic Physics</i> , 2018, 10, 05016-1-05016-4.	0.5	4

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19	Mechanical Properties of TPNR-MWNTs-OMMT Hybrid Nanocomposites. <i>Advanced Materials Research</i> , 2012, 501, 194-198.	0.3	3
20	The effects of gamma treatment on the mechanical properties of thermoplastic natural rubber hybrid nanocomposites. <i>Composite Interfaces</i> , 2014, 21, 281-286.	2.3	3
21	Optimization of Tensile Properties of Epoxy/Nanoclay/MWNT Nanocomposites by Taguchi Method. <i>Advanced Materials Research</i> , 2012, 428, 3-6.	0.3	2
22	EFFECT OF MULTI WALLED CARBON NANOTUBES ON THERMAL CONDUCTIVITY OF POLYLACTIC ACID NANOCOMPOSITE. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1084-1089.	0.1	2
23	Thermal Conductivity, Thermal Diffusivity and Specific Heat of TPNR Hybrid Nanocomposites at Different Temperatures. <i>Advanced Materials Research</i> , 0, 576, 296-299.	0.3	1
24	The effect of MWCNTs on the rubber-toughened epoxy nanocomposites. , 2012, , .		1
25	Investigations on Metal Injection Molding of 316L SS Using Thermoplastic Natural Rubber (TPNR) Binder as a New System. <i>Advanced Materials Research</i> , 0, 576, 150-153.	0.3	1
26	Synthesis, Characterization, Spectroscopic and X-Ray Diffraction Studies of Novel Pair of Thiourea Derivatives of 2-Morpholin-4-yl-ethylamine. <i>Asian Journal of Chemistry</i> , 2015, 27, 3711-3715.	0.3	1
27	Characterizations and Morphology of MWCNTs-SiC Nanoparticles Reinforced PLA/NR/LENR Composites. <i>Advanced Materials Research</i> , 0, 1107, 108-112.	0.3	1
28	Tensile and Dynamic Mechanical Behavior of Thermoplastic Natural Rubber (TPNR) Nanocomposites Treated with Ultrasonic. <i>Advanced Materials Research</i> , 0, 264-265, 973-978.	0.3	0
29	Application of Taguchi's Approach in the Optimization of Tensile Properties of Epoxy/Nanoclay/MWCNT Nanocomposites. <i>Advanced Materials Research</i> , 0, 576, 256-259.	0.3	0
30	Synthesis, Spectral and Single-Crystal Analyses of New Derivatives of 4-Amino-N-benzylpiperidine. <i>Asian Journal of Chemistry</i> , 2015, 27, 4457-4460.	0.3	0