Ahmed H Hassanin

List of Publications by Year
in descending order

38 papers	615 citations	777949 13 h-index	721071 23 g-index
39 all docs	39 docs citations	39 times ranked	705 citing authors

#	Article	IF	Citations
1	Curcumin and Silver Doping Enhance the Spinnability and Antibacterial Activity of Melt-Electrospun Polybutylene Succinate Fibers. Nanomaterials, 2022, 12, 283.	1.9	10
2	Stretchable nanofibers of polyvinylidenefluoride (PVDF)/thermoplastic polyurethane (TPU) nanocomposite to support piezoelectric response via mechanical elasticity. Scientific Reports, 2022, 12, 8335.	1.6	16
3	Silver/Snail Mucous PVA Nanofibers: Electrospun Synthesis and Antibacterial and Wound Healing Activities. Membranes, 2022, 12, 536.	1.4	16
4	Green, Natural Fibre and Hybrid Composites. Engineering Materials, 2021, , 395-420.	0.3	3
5	Hybrid Nanofibrous Membranes as a Promising Functional Layer for Personal Protection Equipment: Manufacturing and Antiviral/Antibacterial Assessments. Polymers, 2021, 13, 1776.	2.0	15
6	Study of Air Pressure and Velocity for Solution Blow Spinning of Polyvinylidene Fluoride Nanofibres. Processes, 2021, 9, 1014.	1.3	2
7	Biodegradable Nanofibrous Membranes for Medical and Personal Protection Applications: Manufacturing, Anti-COVID-19 and Anti-Multidrug Resistant Bacteria Evaluation. Materials, 2021, 14, 3862.	1.3	11
8	Solution blow spinning of piezoelectric nanofiber mat for detecting mechanical and acoustic signals. Journal of Applied Polymer Science, 2021, 138, 51322.	1.3	9
9	Elastic Nanofibrous Membranes for Medical and Personal Protection Applications: Manufacturing, Anti-COVID-19, and Anti-Colistin Resistant Bacteria Evaluation. Polymers, 2021, 13, 3987.	2.0	11
10	Characterization of solution blown thermoplastic polyurethane nanofibers modified with Szygium aromaticum extract. Journal of the Textile Institute, 2020, 111, 10-15.	1.0	8
11	Solution Blow Spinning of High-Performance Submicron Polyvinylidene Fluoride Fibres: Computational Fluid Mechanics Modelling and Experimental Results. Polymers, 2020, 12, 1140.	2.0	12
12	High-performance asymmetric supercapacitor based hierarchical NiCo₂O₄@ carbon nanofibers//Activated multichannel carbon nanofibers. Nanotechnology, 2020, 31, 365404.	1.3	35
13	Acoustic Energy Harvesting and Sensing via Electrospun PVDF Nanofiber Membrane. Sensors, 2020, 20, 3111.	2.1	19
14	Solution Blow Spinning of Polyvinylidene Fluoride Based Fibers for Energy Harvesting Applications: A Review. Polymers, 2020, 12, 1304.	2.0	22
15	Free-standing interconnected carbon nanofiber electrodes: new structural designs for supercapacitor application. Nanotechnology, 2020, 31, 185403.	1.3	13
16	Long textile fibres from the midrib of date palm: Physiochemical, morphological, and mechanical properties. Industrial Crops and Products, 2020, 151, 112466.	2.5	38
17	Date Palm Fiber Composite Fabrication Techniques. , 2020, , 161-183.		1
18	Micropatterned flexible strain gauge sensor based on wet electrospun polyurethane/PEDOT: PSS nanofibers. Smart Materials and Structures, 2019, 28, 075029.	1.8	48

#	Article	IF	Citations
19	Evaluation of Mechanical and Physical Properties of Hybrid Composites from Food Packaging and Textiles Wastes. Journal of Polymers and the Environment, 2019, 27, 489-497.	2.4	29
20	Thermal insulation properties of hybrid textile reinforced biocomposites from food packaging waste. Journal of Industrial Textiles, 2018, 47, 1024-1037.	1.1	39
21	Performance of sustainable natural yarn reinforced polymer bars for construction applications. Construction and Building Materials, 2018, 158, 359-368.	3.2	11
22	Numerical and experimental study of the influence of nozzle flow parameters on yarn production by jet-ring spinning. AEJ - Alexandria Engineering Journal, 2018, 57, 2975-2989.	3.4	4
23	Static-Aligned Piezoelectric Poly (Vinylidene Fluoride) Electrospun Nanofibers/MWCNT Composite Membrane: Facile Method. Polymers, 2018, 10, 965.	2.0	28
24	Hybrid composites from coir fibers reinforced with woven glass fabrics: Physical and mechanical evaluation. Polymer Composites, 2017, 38, 2212-2220.	2.3	20
25	Developing Biocomposites Panels from Food Packaging and Textiles Wastes: Physical and Biological Performance. Journal of Polymers and the Environment, 2017, 25, 126-135.	2.4	11
26	A novel technique for producing conductive polyurethane nanofibrous membrane for flexible electronics applications. IOP Conference Series: Materials Science and Engineering, 2017, 244, 012010.	0.3	2
27	Biological Performance of Novel Hybrid Green Composites Produced from Glass Fibers and Jute Fabric Skin by the VARTM Process. BioResources, 2017, 13, .	0.5	3
28	Influence of Tencel/cotton blends on knitted fabric performance. AEJ - Alexandria Engineering Journal, 2016, 55, 2439-2447.	3.4	32
29	Solution blowing of thermoplastic polyurethane nanofibers: A facile method to produce flexible porous materials. Journal of Applied Polymer Science, 2016, 133, .	1.3	74
30	Improving high-altitude UVâ€“Vis resistance of PBO braided tendons of NASAâ€™s super pressure balloons. Journal of the Textile Institute, 2016, 107, 136-143.	1.0	2
31	Developing high-performance hybrid green composites. Composites Part B: Engineering, 2016, 92, 384-394.	5.9	43
32	Novel composite sandwich structure from green materials: Mechanical, physical, and biological evaluation. Journal of Applied Polymer Science, 2015, 132, .	1.3	8
33	Nanocomposite Multilayer Fibrous Membrane for Sustained Drug Release. Advanced Materials Research, 2014, 894, 364-368.	0.3	1
34	Composite porous membrane for protecting highâ€performance fibers from ultravioletâ€“visible radiation. Journal of Applied Polymer Science, 2013, 128, 1297-1303.	1.3	5
35	Development of UV Protective Polymeric Layer for High Performance Fibers. , 2011, , .		1
36	Novel Bio-Based Composites Panels from TetraPak Waste. Key Engineering Materials, 0, 689, 138-142.	0.4	5

#	Article	IF	Citations
37	Antimicrobial Activity of O-Carboxymethyl Chitosan Nanofibers Containing Silver Nanoparticles Synthesized by Green Method. Journal of Nano Research, 0, 40, 136-145.	0.8	4
38	Novel Technique for Producing Porous Carbon Nanofiber Mate for Supercapacitors Application. Key Engineering Materials, 0, 735, 199-204.	0.4	3