Mohanapriya Venkataraman

List of Publications by Year
in descending order

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55	881	567144 15	526166 27
papers	citations	h-index	g-index

56	56	56	706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of thermal comfort properties of fabrics containing mohair. Journal of the Textile Institute, 2022, 113, 616-627.	1.0	4
2	Acoustical Evaluation and Comparative Study of Maple Leaves and Coir and Polyester Fibers. Journal of Natural Fibers, 2022, 19, 10813-10818.	1.7	2
3	Review: incorporation of organic PCMs into textiles. Journal of Materials Science, 2022, 57, 798-847.	1.7	29
4	Hybrid Prepreg Tapes for Composite Manufacturing: A Case Study. Materials, 2022, 15, 619.	1.3	2
5	Crystallization mechanism of micro flake Cu particle-filled poly(ethylene glycol) composites. Thermochimica Acta, 2022, 710, 179172.	1.2	8
6	Simple determination of key structural parameters for fibrous materials enabled by Ergun-Type and Kozeny-type equations. Polymer Testing, 2022, 108, 107514.	2.3	9
7	Hydrophobicity, water moisture transfer and breathability of PTFE-coated viscose fabrics prepared by electrospraying technology and sintering process. Progress in Organic Coatings, 2022, 165, 106775.	1.9	10
8	The Effect of Mask Style and Fabric Selection on the Comfort Properties of Fabric Masks. Materials, 2022, 15, 2559.	1.3	8
9	Functional Coatings by Natural and Synthetic Agents for Insect Control and Their Applications. Coatings, 2022, 12, 476.	1.2	3
10	Tailored expanded graphite based PVDF porous composites for potential electrostatic dissipation applications. Diamond and Related Materials, 2022, 125, 108972.	1.8	4
11	Preparation and Characterization of Electrosprayed Aerogel/Polytetrafluoroethylene Microporous Materials. Polymers, 2022, 14, 48.	2.0	0
12	An experimental evaluation of convective heat transfer in multi-layered fibrous materials composed by different middle layer structures. Journal of Industrial Textiles, 2021, 51, 362-379.	1.1	10
13	Structural analysis of embedding polyethylene glycol in silica aerogel. Microporous and Mesoporous Materials, 2021, 310, 110636.	2.2	26
14	Electromagnetic Interference Shielding of Metal Coated Ultrathin Nonwoven Fabrics and Their Factorial Design. Polymers, 2021, 13, 484.	2.0	11
15	A Review of Impact of Textile Research on Protective Face Masks. Materials, 2021, 14, 1937.	1.3	13
16	Preparation of core-sheath nanofibers with high latent heat by thermal cross-linking and coaxial electrospinning. Polymer, 2021, 228, 123958.	1.8	12
17	Thermal analysis of PEG/Metal particle-coated viscose fabric. Polymer Testing, 2021, 100, 107231.	2.3	19
18	Sandwich Structures Reflecting Thermal Radiation Produced by the Human Body. Polymers, 2021, 13, 3309.	2.0	6

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19	Supercooling suppression and mechanical property improvement of phase change nanofibers by optimizing core distribution. Polymer, 2021, 233, 124176.	1.8	4
20	Thermal Behavior of Aerogel-Embedded Nonwovens in Cross Airflow. Autex Research Journal, 2021, 21, 115-124.	0.6	4
21	Unmasking the Mask: Investigating the Role of Physical Properties in the Efficacy of Fabric Masks to Prevent the Spread of the COVID-19 Virus. Materials, 2021, 14, 7756.	1.3	5
22	Effect of silanization on copper coated milife fabric with improved EMI shielding effectiveness. Materials Chemistry and Physics, 2020, 239, 122008.	2.0	28
23	A novel method for producing bi-component thermo-regulating alginate fiber from phase change material microemulsion. Textile Reseach Journal, 2020, 90, 1038-1044.	1.1	7
24	Transport Properties of Electro-Sprayed Polytetrafluoroethylene Fibrous Layer Filled with Aerogels/Phase Change Materials. Nanomaterials, 2020, 10, 2042.	1.9	6
25	Resistance against Penetration of Electromagnetic Radiation for Ultra-light Cu/Ni-Coated Polyester Fibrous Materials. Polymers, 2020, 12, 2029.	2.0	17
26	Co-solvent free interfacial polycondensation and properties of polyurea PCM microcapsules with dodecanol dodecanoate as core material. Solar Energy, 2020, 199, 721-730.	2.9	43
27	Preparation of Electrosprayed, Microporous Particle Filled Layers. Polymers, 2020, 12, 1352.	2.0	7
28	Exceptional Electromagnetic Shielding Properties of Lightweight and Porous Multifunctional Layers. ACS Applied Electronic Materials, 2020, 2, 1138-1144.	2.0	7
29	Influence of Nanoparticles on Thermal and Electrical Conductivity of Composites. Polymers, 2020, 12, 742.	2.0	89
30	Progress in Sol-Gel Technology for the Coatings of Fabrics. Materials, 2020, 13, 1838.	1.3	69
31	Study on the Relationship Between Structure Parameters and Filtration Performance of Polypropylene Meltblown Nonwovens. Autex Research Journal, 2020, 20, 366-371.	0.6	11
32	Performance of Electrospun Polyvinylidene Fluoride Nanofibrous Membrane in Air Filtration. Autex Research Journal, 2020, 20, 552-559.	0.6	7
33	Investigation on sound absorption properties of aerogel/polymer nonwovens. Journal of the Textile Institute, 2019, 110, 196-201.	1.0	23
34	Aerogel Based High Performance Thermal Insulation Materials. IOP Conference Series: Materials Science and Engineering, 2019, 553, 012043.	0.3	0
35	Nanoporous materials. , 2019, , 311-353.		17
36	Electrospun nanofibers. , 2019, , 35-161.		7

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37	Tensile Properties of Glass Roving and Hybrid Tapes. IOP Conference Series: Materials Science and Engineering, 2019, 553, 012055.	0.3	1
38	Preparation and evaluation of thermo-regulating bamboo fabric treated by microencapsulated phase change materials. Textile Reseach Journal, 2019, 89, 3387-3393.	1.1	11
39	Thermal Protective Properties of Aerogel-coated Kevlar Woven Fabrics. Journal of Fiber Bioengineering and Informatics, 2019, 12, 93-101.	0.2	5
40	Sophisticated Glass Tapes for Fabrication of Composites. Journal of Fiber Bioengineering and Informatics, 2019, 12, 35-42.	0.2	2
41	Preparation of Electrosprayed Microporous Membranes. IOP Conference Series: Materials Science and Engineering, 2018, 460, 012017.	0.3	3
42	Influence of structural parameters on thermal performance of polypropylene nonwovens. Polymers for Advanced Technologies, 2018, 29, 3027-3034.	1.6	16
43	Electrospun nanofibrous membranes embedded with aerogel for advanced thermal and transport properties. Polymers for Advanced Technologies, 2018, 29, 2583-2592.	1.6	32
44	Thermal Insulation and Porosityâ€"From Macro- to Nanoscale. Hot Topics in Thermal Analysis and Calorimetry, 2017, , 425-448.	0.5	4
45	Modelling and simulation of heat transfer by convection in aerogel treated nonwovens. Journal of the Textile Institute, 2017, 108, 1442-1453.	1.0	14
46	Comparative Analysis of High Performance Thermal Insulation Materials. Journal of Textile Engineering & Fashion Technology, 2017, 2, .	0.1	9
47	Dynamic heat flux measurement for advanced insulation materials. Fibers and Polymers, 2016, 17, 925-931.	1.1	14
48	Aerogels for thermal insulation in high-performance textiles. Textile Progress, 2016, 48, 55-118.	1.3	63
49	Effect of compressibility on heat transport phenomena in aerogel-treated nonwoven fabrics. Journal of the Textile Institute, 2016, 107, 1150-1158.	1.0	14
50	Thermodynamics of aerogel-treated nonwoven fabrics at subzero temperatures. Journal of Industrial Textiles, 2015, 45, 387-404.	1.1	40
51	Novel techniques to analyse thermal performance of aerogel-treated blankets under extreme temperatures. Journal of the Textile Institute, 2015, 106, 736-747.	1.0	36
52	The production, characterization and applications of nanoparticles in the textile industry. Textile Progress, 2014, 46, 133-226.	1.3	41
53	Aerogel based nanoporous fibrous materials for thermal insulation. Fibers and Polymers, 2014, 15, 1444-1449.	1.1	38
54	Application of silver nanoparticles to industrial sewing threads: Effects on physico-functional properties & seam efficiency. Fibers and Polymers, 2014, 15, 510-518.	1.1	7

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55	Preparation of electrosprayed composite coated microporous filter for particulate matter capture. Nano Select, 0, , .	1.9	4