

Shaojian He

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

895
citations

361045

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docs citations

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times ranked

776
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#	ARTICLE	IF	CITATIONS
1	Proton conductivity improvement of sulfonated poly(ether ether ketone) nanocomposite membranes with sulfonated halloysite nanotubes prepared via dopamine-initiated atom transfer radical polymerization. <i>Journal of Membrane Science</i> , 2016, 504, 206-219.	4.1	107
2	Performance improvement in nano-alumina filled silicone rubber composites by using vinyl tri-methoxysilane. <i>Polymer Testing</i> , 2018, 67, 295-301.	2.3	71
3	Aging properties of styrene-butadiene rubber nanocomposites filled with carbon black and rectorite. <i>Polymer Testing</i> , 2017, 64, 92-100.	2.3	48
4	Mechanical, Thermal, and Electrical Properties of BN/Epoxy Composites Modified with Carboxyl-Terminated Butadiene Nitrile Liquid Rubber. <i>Polymers</i> , 2019, 11, 1548.	2.0	45
5	Nanocomposite proton exchange membranes based on phosphotungstic acid immobilized by polydopamine-coated halloysite nanotubes. <i>Polymer Testing</i> , 2019, 73, 242-249.	2.3	38
6	A novel method to prepare acrylonitrile-butadiene rubber/clay nanocomposites by compounding with clay gel. <i>Composites Part B: Engineering</i> , 2019, 167, 356-361.	5.9	33
7	Silicone Rubber Composites with High Breakdown Strength and Low Dielectric Loss Based on Polydopamine Coated Mica. <i>Polymers</i> , 2019, 11, 2030.	2.0	31
8	Fabrication of water-insoluble phosphotungstic acid-carbon nitride nanohybrids for promoting proton transport of nanocomposite proton exchange membranes. <i>Journal of Power Sources</i> , 2021, 506, 230195.	4.0	29
9	Effect of clay modification on the structure and properties of sulfonated poly(ether ether) Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 5	2.3	27
10	Nanocomposite Proton Exchange Membranes Incorporating Phosphotungstic Acid Anchored on Imidazole-Functionalized Halloysite Nanotubes. <i>Journal of the Electrochemical Society</i> , 2018, 165, F951-F958.	1.3	27
11	Efficient quantum dot light-emitting diodes with solution-processable molybdenum oxide as the anode buffer layer. <i>Nanotechnology</i> , 2013, 24, 175201.	1.3	26
12	Enhanced Proton Conductivity in Sulfonated Poly(ether ether ketone) Membranes by Incorporating Sodium Dodecyl Benzene Sulfonate. <i>Polymers</i> , 2019, 11, 203.	2.0	26
13	Improvement in thermal conductivity and mechanical properties of ethylene/propylene diene monomer rubber by expanded graphite. <i>Polymer Composites</i> , 2017, 38, 870-876.	2.3	24
14	The roles of solvent type and amount of residual solvent on determining the structure and performance of sulfonated poly(ether ether ketone) proton exchange membranes. <i>Journal of Membrane Science</i> , 2017, 523, 163-172.	4.1	24
15	Effect of residual casting solvent content on the structure and properties of sulfonated poly(ether) Tj ETQq1 1 0.784314 rgBTj/Overlock 4.1 23	4.1	23
16	Preparation of sulfonated poly(ether ether ketone) (SPEEK) membrane using ethanol/water mixed solvent. <i>Materials Letters</i> , 2016, 169, 69-72.	1.3	23
17	Performance of silicone rubber composites using boron nitride to replace alumina trihydrate. <i>High Voltage</i> , 2021, 6, 480-486.	2.7	23
18	Effect of silane coupling agent on the structure and mechanical properties of nano-dispersed clay filled styrene butadiene rubber. <i>Polymer Composites</i> , 2016, 37, 890-896.	2.3	22

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19	Silicone rubber composites incorporating graphitic carbon nitride and modified by vinyl tri-methoxysilane. <i>Polymer Testing</i> , 2019, 79, 106005.	2.3	22
20	Highly selective proton exchange membranes for vanadium redox flow batteries enabled by the incorporation of water-insoluble phosphotungstic acid-metal organic framework nanohybrids. <i>Journal of Membrane Science</i> , 2022, 645, 120214.	4.1	22
21	Efficient and durable composite membranes based on polydopamine-mediated sulfonated graphene oxide for direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24044-24055.	5.2	19
22	Structure and Mechanical Performance of Poly(vinyl Alcohol) Nanocomposite by Incorporating Graphitic Carbon Nitride Nanosheets. <i>Polymers</i> , 2019, 11, 610.	2.0	18
23	Improved Dielectric Breakdown Strength of Polyimide by Incorporating Polydopamine-Coated Graphitic Carbon Nitride. <i>Polymers</i> , 2022, 14, 385.	2.0	18
24	Improvement in the charge dissipation performance of epoxy resin composites by incorporating amino-modified boron nitride nanosheets. <i>Materials Letters</i> , 2021, 298, 130009.	1.3	17
25	A novel environment-friendly route to prepare proton exchange membranes for direct methanol fuel cells. <i>Polymer</i> , 2013, 54, 1243-1250.	1.8	14
26	Mechanical performance design via regulating the interactions in acrylonitrile-butadiene rubber/clay nanocomposites by small molecule compounds. <i>Polymer Testing</i> , 2022, 110, 107565.	2.3	13
27	Performance of Silicone Rubber Composites Filled with Aluminum Nitride and Alumina Tri-Hydrate. <i>Materials</i> , 2020, 13, 2489.	1.3	12
28	Solvent-free fabrication of proton-conducting membranes based on commercial elastomers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 300-307.	1.6	11
29	Study on Thermal-Oxidative Aging Properties of Ethylene-Propylene-Diene Monomer Composites Filled with Silica and Carbon Nanotubes. <i>Polymers</i> , 2022, 14, 1205.	2.0	11
30	Cost-efficient and recyclable epoxy vitrimer composite with low initial viscosity based on exchangeable disulfide crosslinks. <i>Polymer Testing</i> , 2022, 113, 107670.	2.3	11
31	Analysis of the Electrical and Thermal Properties for Magnetic Fe ₃ O ₄ -Coated SiC-Filled Epoxy Composites. <i>Polymers</i> , 2021, 13, 3028.	2.0	10
32	Reduction of the filler network interaction in novel inner liner compound based on SBR/rectorite nanocomposite by glycerin. <i>Polymer Composites</i> , 2012, 33, 336-342.	2.3	9
33	Solution-processed nickel compound as hole collection layer for efficient polymer solar cells. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 505101.	1.3	9
34	Effect of Sulfonation Degree and PVDF Content on the Structure and Transport Properties of SPEEK/PVDF Blend Membranes. <i>Polymers</i> , 2019, 11, 676.	2.0	9
35	Anchoring Water Soluble Phosphotungstic Acid by Hybrid Fillers to Construct Three-Dimensional Proton Transport Networks. <i>Membranes</i> , 2021, 11, 536.	1.4	6
36	Sulfonated poly(ether ether ketone) composite membranes based on amino-modified halloysite nanotubes that effectively immobilize phosphotungstic acid. <i>Journal of Polymer Science</i> , 2020, 58, 2625-2633.	2.0	5

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37	Composite membranes anchoring phosphotungstic acid by β -cyclodextrins modified halloysite nanotubes. <i>Polymer Testing</i> , 2021, 100, 107246.	2.3	5
38	Improving the charge dissipating performance and breakdown strength of epoxy resin by incorporating polydopamine-coated barium titanate. <i>Materials Today Communications</i> , 2022, 31, 103619.	0.9	5
39	Effect of Micron Thermal Conductive Filler on Thermal Conductivity and Electrical Properties of Epoxy Composites. , 2019, , .		2
40	Thermal Conductivity of Epoxy Composites Filled with Polydopamine and Coupling Agent Functionalized Boron Nitride. , 2018, , .		0