

Jae Kap Jung

List of Publications by Year in descending order

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26
papers

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation techniques of hydrogen permeation in sealing rubber materials. <i>Polymer Testing</i> , 2021, 93, 107016.	4.8	24
2	Volumetric analysis technique for analyzing the transport properties of hydrogen gas in cylindrical-shaped rubbery polymers. <i>Polymer Testing</i> , 2021, 99, 107147.	4.8	17
3	Gas chromatography techniques to evaluate the hydrogen permeation characteristics in rubber: ethylene propylene diene monomer. <i>Scientific Reports</i> , 2021, 11, 4859.	3.3	12
4	Filler Influence on H ₂ Permeation Properties in Sulfur-CrossLinked Ethylene Propylene Diene Monomer Polymers Blended with Different Concentrations of Carbon Black and Silica Fillers. <i>Polymers</i> , 2022, 14, 592.	4.5	11
5	Effect of the High-Pressure Hydrogen Gas Exposure in the Silica-Filled EPDM Sealing Composites with Different Silica Content. <i>Polymers</i> , 2022, 14, 1151.	4.5	11
6	NMR study of boron nitride nanotubes. <i>Solid State Communications</i> , 2004, 130, 45-48.	1.9	10
7	Filler Effects on H ₂ Diffusion Behavior in Nitrile Butadiene Rubber Blended with Carbon Black and Silica Fillers of Different Concentrations. <i>Polymers</i> , 2022, 14, 700.	4.5	10
8	Quantitative phase analysis of boron nitride nanotubes using Rietveld refinement. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 1127-1131.	2.8	8
9	Determination of permeation properties of hydrogen gas in sealing rubbers using thermal desorption analysis gas chromatography. <i>Scientific Reports</i> , 2021, 11, 17092.	3.3	7
10	Two volumetric techniques for determining the transport properties of hydrogen gas in polymer. <i>Materials Chemistry and Physics</i> , 2022, 276, 125364.	4.0	7
11	Observation of the relaxation process in fluoroelastomers by dielectric relaxation spectroscopy. <i>Physica B: Condensed Matter</i> , 2021, 608, 412870.	2.7	6
12	Analyses of permeation characteristics of hydrogen in nitrile butadiene rubber using gas chromatography. <i>Materials Chemistry and Physics</i> , 2021, 267, 124653.	4.0	6
13	Investigation of Physical and Mechanical Characteristics of Rubber Materials Exposed to High-Pressure Hydrogen. <i>Polymers</i> , 2022, 14, 2233.	4.5	6
14	11B nuclear magnetic resonance study of boron nitride nanotubes prepared by mechano-thermal method. <i>Solid State Communications</i> , 2005, 134, 419-423.	1.9	5
15	In-situ measurement of the current transformer burden in a current transformer testing system using a shunt resistor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2007, 40, 876-882.	5.0	5
16	Impedance spectroscopy for in situ and real-time observations of the effects of hydrogen on nitrile butadiene rubber polymer under high pressure. <i>Scientific Reports</i> , 2019, 9, 13035.	3.3	5
17	Development of a Program for Analyzing Dielectric Relaxation and Its Application to Polymers: Nitrile Butadiene Rubber. <i>Macromolecular Research</i> , 2020, 28, 596-604.	2.4	5
18	Novel volumetric analysis technique for characterizing the solubility and diffusivity of hydrogen in rubbers. <i>Current Applied Physics</i> , 2021, 26, 9-15.	2.4	5

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19	Dielectric Relaxation Spectroscopy in Synthetic Rubber Polymers: Nitrile Butadiene Rubber and Ethylene Propylene Diene Monomer. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-15.	1.8	4
20	Characterization of Dielectric Relaxation Process by Impedance Spectroscopy for Polymers: Nitrile Butadiene Rubber and Ethylene Propylene Diene Monomer. <i>Journal of Spectroscopy</i> , 2020, 2020, 1-15.	1.3	3
21	Simultaneous three-channel measurements of hydrogen diffusion with light intensity analysis of images by employing webcam. <i>Current Applied Physics</i> , 2022, 37, 19-26.	2.4	3
22	Characterization technique of gases permeation properties in polymers: H ₂ , He, N ₂ and Ar gas. <i>Scientific Reports</i> , 2022, 12, 3328.	3.3	3
23	Dielectric Relaxation in a Fluoroelastomer and Ethylene Propylene Diene Monomer Observed by Using Impedance Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2020, 76, 416-425.	0.7	2
24	Volume Dependence of Hydrogen Diffusion for Sorption and Desorption Processes in Cylindrical-Shaped Polymers. <i>Polymers</i> , 2022, 14, 756.	4.5	2
25	Hydrogen sorption and desorption properties in rubbery polymer. <i>Materials Chemistry and Physics</i> , 2022, 279, 125745.	4.0	1
26	Method for Determining Dissipation Factor of Capacitors Without Reference Capacitor at Voltages up to 1kV. <i>Journal of Electrical Engineering and Technology</i> , 2019, 14, 371-376.	2.0	0