Jae Kap Jung

List of Publications by Year
in descending order

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26	178	1163117 8	1281871 11
papers	citations	h-index	g-index

26	26	26	83
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two volumetric techniques for determining the transport properties of hydrogen gas in polymer. Materials Chemistry and Physics, 2022, 276, 125364.	4.0	7
2	Filler Influence on H2 Permeation Properties in Sulfur-CrossLinked Ethylene Propylene Diene Monomer Polymers Blended with Different Concentrations of Carbon Black and Silica Fillers. Polymers, 2022, 14, 592.	4.5	11
3	Hydrogen sorption and desorption properties in rubbery polymer. Materials Chemistry and Physics, 2022, 279, 125745.	4.0	1
4	Simultaneous three-channel measurements of hydrogen diffusion with light intensity analysis of images by employing webcam. Current Applied Physics, 2022, 37, 19-26.	2.4	3
5	Characterization technique of gases permeation properties in polymers: H2, He, N2 and Ar gas. Scientific Reports, 2022, 12, 3328.	3.3	3
6	Volume Dependence of Hydrogen Diffusion for Sorption and Desorption Processes in Cylindrical-Shaped Polymers. Polymers, 2022, 14, 756.	4.5	2
7	Filler Effects on H2 Diffusion Behavior in Nitrile Butadiene Rubber Blended with Carbon Black and Silica Fillers of Different Concentrations. Polymers, 2022, 14, 700.	4.5	10
8	Effect of the High-Pressure Hydrogen Gas Exposure in the Silica-Filled EPDM Sealing Composites with Different Silica Content. Polymers, 2022, 14, 1151.	4.5	11
9	Investigation of Physical and Mechanical Characteristics of Rubber Materials Exposed to High-Pressure Hydrogen. Polymers, 2022, 14, 2233.	4.5	6
10	Evaluation techniques of hydrogen permeation in sealing rubber materials. Polymer Testing, 2021, 93, 107016.	4.8	24
11	Gas chromatography techniques to evaluate the hydrogen permeation characteristics in rubber: ethylene propylene diene monomer. Scientific Reports, 2021, 11, 4859.	3.3	12
12	Observation of the relaxation process in fluoroelastomers by dielectric relaxation spectroscopy. Physica B: Condensed Matter, 2021, 608, 412870.	2.7	6
13	Novel volumetric analysis technique for characterizing the solubility and diffusivity of hydrogen in rubbers. Current Applied Physics, 2021, 26, 9-15.	2.4	5
14	Analyses of permeation characteristics of hydrogen in nitrile butadiene rubber using gas chromatography. Materials Chemistry and Physics, 2021, 267, 124653.	4.0	6
15	Volumetric analysis technique for analyzing the transport properties of hydrogen gas in cylindrical-shaped rubbery polymers. Polymer Testing, 2021, 99, 107147.	4.8	17
16	Determination of permeation properties of hydrogen gas in sealing rubbers using thermal desorption analysis gas chromatography. Scientific Reports, 2021, 11, 17092.	3.3	7
17	Characterization of Dielectric Relaxation Process by Impedance Spectroscopy for Polymers: Nitrile Butadiene Rubber and Ethylene Propylene Diene Monomer. Journal of Spectroscopy, 2020, 2020, 1-15.	1.3	3
18	Dielectric Relaxation in a Fluoroelastomer and Ethylene Propylene Diene Monomer Observed by Using Impedance Spectroscopy. Journal of the Korean Physical Society, 2020, 76, 416-425.	0.7	2

#	Article	IF	Citations
19	Dielectric Relaxation Spectroscopy in Synthetic Rubber Polymers: Nitrile Butadiene Rubber and Ethylene Propylene Diene Monomer. Advances in Materials Science and Engineering, 2020, 2020, 1-15.	1.8	4
20	Development of a Program for Analyzing Dielectric Relaxation and Its Application to Polymers: Nitrile Butadiene Rubber. Macromolecular Research, 2020, 28, 596-604.	2.4	5
21	Method for Determining Dissipation Factor of Capacitors Without Reference Capacitor at Voltages up to 1ÂkV. Journal of Electrical Engineering and Technology, 2019, 14, 371-376.	2.0	0
22	Impedance spectroscopy for in situ and real-time observations of the effects of hydrogen on nitrile butadiene rubber polymer under high pressure. Scientific Reports, 2019, 9, 13035.	3.3	5
23	In-situ measurement of the current transformer burden in a current transformer testing system using a shunt resistor. Measurement: Journal of the International Measurement Confederation, 2007, 40, 876-882.	5.0	5
24	11B nuclear magnetic resonance study of boron nitride nanotubes prepared by mechano-thermal method. Solid State Communications, 2005, 134, 419-423.	1.9	5
25	Quantitative phase analysis of boron nitride nanotubes using Rietveld refinement. Journal Physics D: Applied Physics, 2005, 38, 1127-1131.	2.8	8
26	NMR study of boron nitride nanotubes. Solid State Communications, 2004, 130, 45-48.	1.9	10