

Barbara Frisken

List of Publications by Year in descending order

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22
papers

1,631
citations

516215

16
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

2086
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Unilamellar Vesicles Using an Inverted Emulsion. <i>Langmuir</i> , 2003, 19, 2870-2879.	1.6	483
2	Poly(bis-arylimidazoliums) possessing high hydroxide ion exchange capacity and high alkaline stability. <i>Nature Communications</i> , 2019, 10, 2306.	5.8	239
3	Cross-Linker-Free N-Isopropylacrylamide Gel Nanospheres. <i>Langmuir</i> , 2003, 19, 5212-5216.	1.6	175
4	Studies of Vesicle Extrusion. <i>Langmuir</i> , 2000, 16, 928-933.	1.6	123
5	Nanostructure, Morphology, and Properties of Fluorous Copolymers Bearing Ionic Grafts. <i>Macromolecules</i> , 2009, 42, 9467-9480.	2.2	116
6	Influence of Reaction Conditions on the Synthesis of Self-Cross-Linked N-Isopropylacrylamide Microgels. <i>Langmuir</i> , 2003, 19, 5217-5222.	1.6	99
7	Scaling and mesostructure of Carbopol dispersions. <i>Rheologica Acta</i> , 2012, 51, 441-450.	1.1	70
8	Controlling Crystallinity in Graft Ionomers, and Its Effect on Morphology, Water Sorption, and Proton Conductivity of Graft Ionomer Membranes. <i>Chemistry of Materials</i> , 2013, 25, 1935-1946.	3.2	46
9	Sulfophenylated Terphenylene Copolymer Membranes and Ionomers. <i>ChemSusChem</i> , 2018, 11, 4033-4043.	3.6	39
10	Sulfo-Phenylated Polyphenylenes Containing Sterically Hindered Pyridines. <i>Macromolecules</i> , 2019, 52, 2548-2559.	2.2	36
11	Molecular branching as a simple approach to improving polymer electrolyte membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117539.	4.1	33
12	Theory of an electric field induced periodic phase in a nematic film. <i>Liquid Crystals</i> , 1989, 5, 735-738.	0.9	30
13	Structure-Property Relationships in Sterically Congested Proton-Conducting Poly(phenylene)s: the Impact of Biphenyl Linearity. <i>Macromolecules</i> , 2020, 53, 3119-3138.	2.2	26
14	Investigations of crystallinity and chain entanglement on sorption and conductivity of proton exchange membranes. <i>Journal of Membrane Science</i> , 2014, 469, 251-261.	4.1	23
15	Microwave-assisted Diels-Alder polycondensation of proton conducting poly(phenylene)s. <i>Polymer Chemistry</i> , 2019, 10, 1668-1685.	1.9	18
16	Controlling Water Content and Proton Conductivity through Copolymer Morphology. <i>Macromolecules</i> , 2013, 46, 9676-9687.	2.2	17
17	Structural effects on the nano-scale morphology and conductivity of ionomer blends. <i>Journal of Materials Chemistry</i> , 2012, 22, 24348.	6.7	13
18	Morphology of Anion-Conducting Ionomers Investigated by X-ray Scattering and Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1730-1737.	1.2	13

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19	Effects of a transverse electric field in nematics: Induced biaxiality and the bend FrÅ©edericksz transition. <i>Liquid Crystals</i> , 1989, 5, 623-631.	0.9	11
20	Domain growth in the presence of quenched disorder. <i>Physical Review E</i> , 1997, 56, 3112-3118.	0.8	9
21	Morphological characterization of a new low-bandgap thermocleavable polymer showing stable photovoltaic properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10650-10658.	5.2	8
22	The Nanostructure of HMT-PMBI, a Sterically Hindered Ionene. <i>Macromolecules</i> , 2020, 53, 4908-4916.	2.2	4