Barbara J Frisken

List of Publications by Year
in descending order

29	2,766	304368 22	476904 29
papers	citations	h-index	g-index

29	29	29	3627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular branching as a simple approach to improving polymer electrolyte membranes. Journal of Membrane Science, 2020, 595, 117539.	4.1	33
2	The Nanostructure of HMT-PMBI, a Sterically Hindered Ionene. Macromolecules, 2020, 53, 4908-4916.	2.2	4
3	Poly(bis-arylimidazoliums) possessing high hydroxide ion exchange capacity and high alkaline stability. Nature Communications, 2019, 10, 2306.	5.8	239
4	Sulfo-Phenylated Polyphenylenes Containing Sterically Hindered Pyridines. Macromolecules, 2019, 52, 2548-2559.	2.2	36
5	Microwave-assisted Dielsâ€“Alder polycondensation of proton conducting poly(phenylene)s. Polymer Chemistry, 2019, 10, 1668-1685.	1.9	18
6	Morphology of Anion-Conducting Ionenes Investigated by X-ray Scattering and Simulation. Journal of Physical Chemistry B, 2018, 122, 1730-1737.	1.2	13
7	Sulfophenylated Terphenylene Copolymer Membranes and Ionomers. ChemSusChem, 2018, 11, 4033-4043.	3.6	39
8	Exploring the dynamics of phase separation in colloidâ€“polymer mixtures with long range attraction. Soft Matter, 2016, 12, 5325-5333.	1.2	6
9	Investigations of crystallinity and chain entanglement on sorption and conductivity of proton exchange membranes. Journal of Membrane Science, 2014, 469, 251-261.	4.1	23
10	Controlling Water Content and Proton Conductivity through Copolymer Morphology. Macromolecules, 2013, 46, 9676-9687.	2.2	17
11	Controlling Crystallinity in Graft Ionomers, and Its Effect on Morphology, Water Sorption, and Proton Conductivity of Graft Ionomer Membranes. Chemistry of Materials, 2013, 25, 1935-1946.	3.2	46
12	Crystal-Arrested Phase Separation. Physical Review Letters, 2012, 109, 195701.	2.9	20
13	Structural effects on the nano-scale morphology and conductivity of ionomer blends. Journal of Materials Chemistry, 2012, 22, 24348.	6.7	13
14	Scaling and mesostructure of Carbopol dispersions. Rheologica Acta, 2012, 51, 441-450.	1.1	70
15	Investigating the microstructure of a yield-stress fluid by light scattering. Physical Review E, 2011, 83, 031401.	0.8	40
16	Interaction of a Charged Polymer with Zwitterionic Lipid Vesicles. Langmuir, 2010, 26, 4095-4102.	1.6	27
17	Nanostructure, Morphology, and Properties of Fluorous Copolymers Bearing Ionic Grafts. Macromolecules, 2009, 42, 9467-9480.	2.2	116
18	Ergosterol in POPC Membranes: Physical Properties and Comparison with Structurally Similar Sterols. Biophysical Journal, 2007, 92, 1606-1615.	0.2	77

#	Article	IF	Citations
19	Self-Assembly of Latex Particles into Proton-Conductive Membranes. Macromolecules, 2006, 39, 8060-8066.	2.2	23
20	Structural Study of Proton-Conducting Fluorous Block Copolymer Membranes. Macromolecules, 2006, 39, 720-730.	2.2	76
21	Direct determination of the number-weighted mean radius and polydispersity from dynamic light-scattering data. Applied Optics, 2006, 45, 2209.	2.1	35
22	Self-Assembly of Surface-Charged Latex Nanoparticles:Â A New Route to the Creation of Continuous Channels for Ion Conduction. Macromolecules, 2005, 38, 5854-5856.	2.2	27
23	Influence of Secondary Components on the Synthesis of Self-Cross-Linked N-Isopropylacrylamide Microgels. Langmuir, 2005, 21, 545-551.	1.6	39
24	Influence of Reaction Conditions on the Synthesis of Self-Cross-LinkedN-Isopropylacrylamide Microgels. Langmuir, 2003, 19, 5217-5222.	1.6	99
25	Production of Unilamellar Vesicles Using an Inverted Emulsion. Langmuir, 2003, 19, 2870-2879.	1.6	483
26	Cross-Linker-FreeN-Isopropylacrylamide Gel Nanospheres. Langmuir, 2003, 19, 5212-5216.	1.6	175
27	Engineering asymmetric vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10718-10721.	3.3	418
28	The Pressure-Dependence of the Size of Extruded Vesicles. Biophysical Journal, 2003, 85, 996-1004.	0.2	112
29	Revisiting the method of cumulants for the analysis of dynamic light-scattering data. Applied Optics, 2001, 40, 4087.	2.1	442