

# Barbara J Frisken

## List of Publications by Year in descending order

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29  
papers

2,766  
citations

304602

22  
h-index

477173

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3627  
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	Revisiting the method of cumulants for the analysis of dynamic light-scattering data. <i>Applied Optics</i> , 2001, 40, 4087.	2.1	442
3	Engineering asymmetric vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10718-10721.	3.3	418
4	Poly(bis-arylimidazoliums) possessing high hydroxide ion exchange capacity and high alkaline stability. <i>Nature Communications</i> , 2019, 10, 2306.	5.8	239
5	Cross-Linker-Free N-Isopropylacrylamide Gel Nanospheres. <i>Langmuir</i> , 2003, 19, 5212-5216.	1.6	175
6	Nanostructure, Morphology, and Properties of Fluorous Copolymers Bearing Ionic Grafts. <i>Macromolecules</i> , 2009, 42, 9467-9480.	2.2	116
7	The Pressure-Dependence of the Size of Extruded Vesicles. <i>Biophysical Journal</i> , 2003, 85, 996-1004.	0.2	112
8	Influence of Reaction Conditions on the Synthesis of Self-Cross-Linked N-Isopropylacrylamide Microgels. <i>Langmuir</i> , 2003, 19, 5217-5222.	1.6	99
9	Ergosterol in POPC Membranes: Physical Properties and Comparison with Structurally Similar Sterols. <i>Biophysical Journal</i> , 2007, 92, 1606-1615.	0.2	77
10	Structural Study of Proton-Conducting Fluorous Block Copolymer Membranes. <i>Macromolecules</i> , 2006, 39, 720-730.	2.2	76
11	Scaling and mesostructure of Carbopol dispersions. <i>Rheologica Acta</i> , 2012, 51, 441-450.	1.1	70
12	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
13	Investigating the microstructure of a yield-stress fluid by light scattering. <i>Physical Review E</i> , 2011, 83, 031401.	0.8	40
14	Influence of Secondary Components on the Synthesis of Self-Cross-Linked N-Isopropylacrylamide Microgels. <i>Langmuir</i> , 2005, 21, 545-551.	1.6	39
15	Sulfophenylated Terphenylene Copolymer Membranes and Ionomers. <i>ChemSusChem</i> , 2018, 11, 4033-4043.	3.6	39
16	Sulfo-Phenylated Polyphenylenes Containing Sterically Hindered Pyridines. <i>Macromolecules</i> , 2019, 52, 2548-2559.	2.2	36
17	Direct determination of the number-weighted mean radius and polydispersity from dynamic light-scattering data. <i>Applied Optics</i> , 2006, 45, 2209.	2.1	35
18	Molecular branching as a simple approach to improving polymer electrolyte membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117539.	4.1	33

#	ARTICLE	IF	CITATIONS
19	Self-Assembly of Surface-Charged Latex Nanoparticles: A New Route to the Creation of Continuous Channels for Ion Conduction. <i>Macromolecules</i> , 2005, 38, 5854-5856.	2.2	27
20	Interaction of a Charged Polymer with Zwitterionic Lipid Vesicles. <i>Langmuir</i> , 2010, 26, 4095-4102.	1.6	27
21	Self-Assembly of Latex Particles into Proton-Conductive Membranes. <i>Macromolecules</i> , 2006, 39, 8060-8066.	2.2	23
22	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
23	Crystal-Arrested Phase Separation. <i>Physical Review Letters</i> , 2012, 109, 195701.	2.9	20
24	Microwave-assisted Diels-Alder polycondensation of proton conducting poly(phenylene)s. <i>Polymer Chemistry</i> , 2019, 10, 1668-1685.	1.9	18
25	Controlling Water Content and Proton Conductivity through Copolymer Morphology. <i>Macromolecules</i> , 2013, 46, 9676-9687.	2.2	17
26	Structural effects on the nano-scale morphology and conductivity of ionomer blends. <i>Journal of Materials Chemistry</i> , 2012, 22, 24348.	6.7	13
27	Morphology of Anion-Conducting Ionenes Investigated by X-ray Scattering and Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1730-1737.	1.2	13
28	Exploring the dynamics of phase separation in colloid-polymer mixtures with long range attraction. <i>Soft Matter</i> , 2016, 12, 5325-5333.	1.2	6
29	The Nanostructure of HMT-PMBI, a Sterically Hindered Ionene. <i>Macromolecules</i> , 2020, 53, 4908-4916.	2.2	4