Bryan S Beckingham

List of Publications by Year
in descending order

34	653	623188 14	610482 24
papers	citations	h-index	g-index

35	35	35	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple and Accurate Determination of Reactivity Ratios Using a Nonterminal Model of Chain Copolymerization. Macromolecules, 2015, 48, 6922-6930.	2.2	87
2	Role of Sideâ€Chain Branching on Thinâ€Film Structure and Electronic Properties of Polythiophenes. Advanced Functional Materials, 2015, 25, 2616-2624.	7.8	65
3	Monitoring multicomponent transport using in situ ATR FTIR spectroscopy. Journal of Membrane Science, 2018, 550, 348-356.	4.1	47
4	Recommendation for Accurate Experimental Determination of Reactivity Ratios in Chain Copolymerization. Macromolecules, 2019, 52, 2277-2285.	2.2	45
5	Structureâ€“Conductivity Relationships of Block Copolymer Membranes Based on Hydrated Protic Polymerized Ionic Liquids: Effect of Domain Spacing. Macromolecules, 2016, 49, 2216-2223.	2.2	43
6	Synthesis and Phase Behavior of Block-Random Copolymers of Styrene and Hydrogenated Isoprene. Macromolecules, 2011, 44, 4313-4319.	2.2	32
7	Formation of a Rigid Amorphous Fraction in Poly(3-(2â€²-ethyl)hexylthiophene). ACS Macro Letters, 2014, 3, 684-688.	2.3	32
8	Stereolithography 3D Printing of Microcapsule Catalyst-Based Self-Healing Composites. ACS Applied Polymer Materials, 2020, 2, 5048-5057.	2.0	25
9	Multicomponent transport of alcohols in an anion exchange membrane measured by in-situ ATR FTIR spectroscopy. Polymer, 2017, 123, 144-152.	1.8	22
10	Confined crystallization in lamellae forming poly(3â€(2â€²â€ethyl)hexylthiophene) (<scp>P3EHT</scp>) block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 205-215.	2.4	20
11	Regular Mixing Thermodynamics of Hydrogenated Styreneâ€“Isoprene Blockâ€“Random Copolymers. Macromolecules, 2013, 46, 3084-3091.	2.2	18
12	Melting Behavior of Poly(3-(2â€²-ethyl)hexylthiophene). Macromolecules, 2014, 47, 8305-8310.	2.2	17
13	Mixing Thermodynamics of Ternary Blockâ€“Random Copolymers Containing a Polyethylene Block. Macromolecules, 2013, 46, 2760-2766.	2.2	16
14	Low-field¹H-NMR spectroscopy for compositional analysis of multicomponent polymer systems. Analyst, The, 2019, 144, 1679-1686.	1.7	16
15	Architecture-Induced Microphase Separation in Nonfrustrated Aâ€“Bâ€“C Triblock Copolymers. Macromolecules, 2013, 46, 3486-3496.	2.2	15
16	Multicomponent transport of methanol and sodium acetate in poly(ethylene glycol) diacrylate membranes of varied fractional free volume. European Polymer Journal, 2020, 134, 109809.	2.6	14
17	Multicomponent transport of alcohols in Nafion 117 measured by in situ ATR FTIR spectroscopy. Polymer, 2020, 209, 123046.	1.8	12
18	Tuning Compositional Drift in the Anionic Copolymerization of Styrene and Isoprene. Macromolecules, 2020, 53, 3814-3821.	2.2	11

#	Article	IF	Citations
19	Comonomer effects on co-permeation of methanol and acetate in cation exchange membranes. European Polymer Journal, 2021, 147, 110307.	2.6	11
20	Material Design for Enhancing Properties of 3D Printed Polymer Composites for Target Applications. Technologies, 2022, 10, 45.	3.0	11
21	Multicomponent transport of methanol and acetate in a series of crosslinked PEGDA-AMPS cation exchange membranes. Journal of Membrane Science, 2020, 614, 118486.	4.1	10
22	Poly(acrylic acid)-Based Hydrogel Actuators Fabricated via Digital Light Projection Additive Manufacturing. ACS Applied Polymer Materials, 2022, 4, 971-979.	2.0	10
23	Transport and Co-Transport of Carboxylate Ions and Ethanol in Anion Exchange Membranes. Polymers, 2021, 13, 2885.	2.0	9
24	Lowâ€field ¹H NMR spectroscopy: Factors impacting signalâ€toâ€noise ratio and experimental time in the context of mixed microstructure polyisoprenes. Magnetic Resonance in Chemistry, 2020, 58, 1168-1176.	1.1	8
25	Transport and coâ€transport of carboxylate ions and alcohols in cation exchange membranes. Journal of Polymer Science, 2021, 59, 2545-2558.	2.0	8
26	Fabrication and Characterization of Cross-Linked Phenyl-Acrylate-Based Ion Exchange Membranes and Performance in a Direct Urea Fuel Cell. Industrial & Engineering Chemistry Research, 2021, 60, 14856-14867.	1.8	8
27	Fused Filament Fabrication 3D Printing of Self-Healing High-Impact Polystyrene Thermoplastic Polymer Composites Utilizing Eco-friendly Solvent-Filled Microcapsules. ACS Applied Polymer Materials, 2022, 4, 3324-3332.	2.0	7
28	Control of thermal and optoelectronic properties in conjugated poly (3-alkylthiophenes). MRS Communications, 2014, 4, 45-50.	0.8	6
29	Solution processible statistical poly(3-methoxythiophene)-co-poly(3-hexylthiophene) copolymer. Materials Letters, 2019, 256, 126563.	1.3	6
30	Impact of PEGMA on transport and co-transport of methanol and acetate in PEGDA-AMPS cation exchange membranes. Journal of Membrane Science, 2022, 642, 119950.	4.1	6
31	Statistical copolymers of 3-hexylthiophene and thiophene: Impact of thiophene content on optoelectronic and thermal properties. Materials Today Communications, 2019, 20, 100547.	0.9	5
32	Selfâ€healing in high impact polystyrene (<scp>HIPS</scp>) composites via embedded nonâ€toxic solventâ€filled microcapsules. Journal of Applied Polymer Science, 2022, 139, 51463.	1.3	5
33	Resin based 3D printing for fabricating reactive porous media. Materials Letters, 2022, 322, 132469.	1.3	4
34	Curing kinetics of tetrathiol-crosslinked diglycidyl ether of bisphenol A and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (	1.3	2