Aaron Liu

List of Publications by Year
in descending order

16 papers	1,306 citations	933447 10 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	2494 citing authors

#	Article	IF	Citations
1	Monitoring the reaction kinetics of waterborne 2â€pack polyurethane coatings in the dispersion and during film formation. Canadian Journal of Chemical Engineering, 2022, 100, 703-713.	1.7	2
2	Influence of intraparticle cross-linking on polymer diffusion in latex films prepared from secondary dispersions. Progress in Organic Coatings, 2022, 164, 106691.	3.9	4
3	Investigating the influence of block copolymer micelle length on cellular uptake and penetration in a multicellular tumor spheroid model. Nanoscale, 2021, 13, 280-291.	5.6	47
4	Film Formation of Waterborne 2K Polyurethanes: Effect of Polyols Containing Different Carboxylic Acid Content. Macromolecules, 2021, 54, 7943-7954.	4.8	2
5	Monitoring Polymer Diffusion in a Waterborne 2K Polyurethane Formulation Based on an Acrylic Polyol Latex. Macromolecules, 2020, 53, 10744-10753.	4.8	7
6	Characterization of an Aqueous Dispersion of a Hydrophilic Polyisocyanate for Waterborne Two-Pack Polyurethane Coatings. ACS Applied Polymer Materials, 2020, 2, 1491-1499.	4.4	15
7	Biomimetic printable nanocomposite for healable, ultrasensitive, stretchable and ultradurable strain sensor. Nano Energy, 2019, 63, 103898.	16.0	53
8	Investigating Molecular Exchange between Partially Cross-Linked Polymer Particles Prepared by a Secondary Dispersion Process. Macromolecules, 2019, 52, 5245-5254.	4.8	5
9	Molecular Aspects of Film Formation of Partially Cross-Linked Water-Borne Secondary Dispersions that Show Skin Formation upon Drying. Macromolecules, 2019, 52, 9536-9544.	4.8	8
10	Enhanced Water Barrier Properties of Surfactant-Free Polymer Films Obtained by MacroRAFT-Mediated Emulsion Polymerization. ACS Applied Materials & Interfaces, 2018, 10, 11221-11232.	8.0	48
11	Selfâ€Powered Piezoionic Strain Sensor toward the Monitoring of Human Activities. Small, 2016, 12, 5074-5080.	10.0	105
12	Explanations for water whitening in secondary dispersion and emulsion polymer films. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1658-1674.	2.1	34
13	Water Vapor Sorption and Diffusion in Secondary Dispersion Barrier Coatings: A Critical Comparison with Emulsion Polymers. ACS Applied Materials & Interfaces, 2015, 7, 12147-12157.	8.0	28
14	Highly Stretchable and Ultrasensitive Strain Sensor Based on Reduced Graphene Oxide Microtubesâ€“Elastomer Composite. ACS Applied Materials & Interfaces, 2015, 7, 27432-27439.	8.0	189
15	Sensitive, High-Strain, High-Rate Bodily Motion Sensors Based on Grapheneâ€“Rubber Composites. ACS Nano, 2014, 8, 8819-8830.	14.6	708
16	Effect of carbon black content on microcellular structure and physical properties of chlorinated polyethylene rubber foams. Materials & Design, 2010, 31, 3106-3110.	5.1	51