Zhen Cao

List of Publications by Year
in descending order

21	696	516710 16	713466 21
papers	citations	h-index	g-index

21	21	21	942
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlled Water Uptake in Fuel Cell Membranes with Dual Chemistry Confinement. Chemistry of Materials, 2021, 33, 6662-6670.	6.7	3
2	Dictating Nanoparticle Assembly via Systems-Level Control of Molecular Multivalency. Journal of the American Chemical Society, 2019, 141, 14624-14632.	13.7	34
3	Gluing Interfaces with Soft Nanoparticles. Langmuir, 2019, 35, 7277-7284.	3.5	2
4	Surface Stress and Surface Tension in Polymeric Networks. ACS Macro Letters, 2018, 7, 116-121.	4.8	25
5	How To Measure Work of Adhesion and Surface Tension of Soft Polymeric Materials. Macromolecules, 2018, 51, 4059-4067.	4.8	21
6	Surface Stresses and a Force Balance at a Contact Line. Langmuir, 2018, 34, 7497-7502.	3.5	24
7	Controlled 3D Assembly of Graphene Sheets to Build Conductive, Chemically Selective and Shapeâ€Responsive Materials. Advanced Materials, 2017, 29, 1604947.	21.0	26
8	Combs and Bottlebrushes in a Melt. Macromolecules, 2017, 50, 3430-3437.	4.8	117
9	From Adhesion to Wetting: Contact Mechanics at the Surfaces of Super-Soft Brush-Like Elastomers. ACS Macro Letters, 2017, 6, 854-858.	4.8	24
10	Nanoparticles as Adhesives for Soft Polymeric Materials. Macromolecules, 2016, 49, 3586-3592.	4.8	28
11	Molecular Dynamics Simulations of the Effect of Elastocapillarity on Reinforcement of Soft Polymeric Materials by Liquid Inclusions. Macromolecules, 2016, 49, 7108-7115.	4.8	12
12	Dynamics of Bottlebrush Networks. Macromolecules, 2016, 49, 8009-8017.	4.8	36
13	Independent Control of Elastomer Properties through Stereocontrolled Synthesis. Angewandte Chemie - International Edition, 2016, 55, 13076-13080.	13.8	43
14	Adhesion and Wetting of Soft Nanoparticles on Textured Surfaces: Transition between Wenzel and Cassieâ€“Baxter States. Langmuir, 2015, 31, 1693-1703.	3.5	22
15	Polymeric Droplets on Soft Surfaces: From Neumannâ€™s Triangle to Youngâ€™s Law. Macromolecules, 2015, 48, 443-451.	4.8	46
16	Boron Nitride Surface Activity as Route to Composite Dielectric Films. ACS Applied Materials & Interfaces, 2015, 7, 16913-16916.	8.0	26
17	Computer Simulations of Bottle Brushes: From Melts to Soft Networks. Macromolecules, 2015, 48, 5006-5015.	4.8	80
18	Contact Mechanics of Nanoparticles: Pulling Rigid Nanoparticles from Soft, Polymeric Surfaces. Langmuir, 2015, 31, 12520-12529.	3.5	16

#	Article	IF	Citations
19	Elastocapillarity: Adhesion and Wetting in Soft Polymeric Systems. Macromolecules, 2014, 47, 6515-6521.	4.8	36
20	Adhesion and Wetting of Nanoparticles on Soft Surfaces. Macromolecules, 2014, 47, 3203-3209.	4.8	73
21	Immerse precipitation as an efficient protocol to optimize morphology and performance of organic solar cells. Applied Physics Letters, 2012, 101, 233306.	3.3	2