

Simone Ciarella

List of Publications by Year in descending order

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13
papers

265
citations

1040056

9
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

308
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Vitrimers: Defects as a Highway to Stress Relaxation. <i>Physical Review Letters</i> , 2018, 121, 058003.	7.8	67
2	Stimuli-Responsive Behavior of PNIPAm Microgels under Interfacial Confinement. <i>Langmuir</i> , 2019, 35, 10512-10521.	3.5	63
3	Understanding, predicting, and tuning the fragility of vitrimeric polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25013-25022.	7.1	43
4	Soft Particles at Liquid Interfaces: From Molecular Particle Architecture to Collective Phase Behavior. <i>Langmuir</i> , 2021, 37, 5364-5375.	3.5	22
5	Swap-Driven Self-Adhesion and Healing of Vitrimers. <i>Coatings</i> , 2019, 9, 114.	2.6	13
6	Multi-component generalized mode-coupling theory: predicting dynamics from structure in glassy mixtures. <i>European Physical Journal E</i> , 2021, 44, 91.	1.6	10
7	Toward the observation of a liquid-liquid phase transition in patchy origami tetrahedra: a numerical study. <i>European Physical Journal E</i> , 2016, 39, 131.	1.6	9
8	Collapse-induced phase transitions in binary interfacial microgel monolayers. <i>Soft Matter</i> , 2021, 17, 4504-4516.	2.7	9
9	Glassy dynamics from generalized mode-coupling theory: existence and uniqueness of solutions for hierarchically coupled integro-differential equations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 103301.	2.3	9
10	Generalized mode-coupling theory for mixtures of Brownian particles. <i>Physical Review E</i> , 2021, 104, 065302.	2.1	8
11	Interface-induced hysteretic volume phase transition of microgels: simulation and experiment. <i>Soft Matter</i> , 2021, 17, 5581-5589.	2.7	7
12	Rheology, Rupture, Reinforcement and Reversibility: Computational Approaches for Dynamic Network Materials. <i>Advances in Polymer Science</i> , 2020, , 63-126.	0.8	3
13	Associative bond swaps in molecular dynamics. <i>SciPost Physics</i> , 2022, 12, .	4.9	1