Elena Buratti

List of Publications by Year
in descending order

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19 papers	284 citations	1051969 10 h-index	993246 17 g-index
20 all docs	20 docs citations	20 times ranked	394 citing authors

#	Article	IF	Citations
1	The role of polymer structure on water confinement in poly(N-isopropylacrylamide) dispersions. Journal of Molecular Liquids, 2022, 355, 118924.	2.3	4
2	Thermal Behaviour of Microgels Composed of Interpenetrating Polymer Networks of Poly(N-isopropylacrylamide) and Poly(acrylic acid): A Calorimetric Study. Polymers, 2022, 14, 115.	2.0	2
3	Apparatus for simultaneous dynamic light scatteringâ€“small angle neutron scattering investigations of dynamics and structure in soft matter. Review of Scientific Instruments, 2021, 92, 023907.	0.6	12
4	Proteinlike dynamical transition of hydrated polymer chains. Physical Review Research, 2021, 3, .	1.3	6
5	Glass and Jamming Rheology in Soft Particles Made of PNIPAM and Polyacrylic Acid. International Journal of Molecular Sciences, 2021, 22, 4032.	1.8	11
6	Chemical-Physical Behaviour of Microgels Made of Interpenetrating Polymer Networks of PNIPAM and Poly(acrylic Acid). Polymers, 2021, 13, 1353.	2.0	15
7	Volume fraction determination of microgel composed of interpenetrating polymer networks of PNIPAM and polyacrylic acid. Journal of Physics Condensed Matter, 2021, 33, 174004.	0.7	11
8	Thermoresponsivity of poly(N-isopropylacrylamide) microgels in water-trehalose solution and its relation to protein behavior. Journal of Colloid and Interface Science, 2021, 604, 705-718.	5.0	9
9	Formation and Stability of Smooth Thin Films with Soft Microgels Made of Poly(N-Isopropylacrylamide) and Poly(Acrylic Acid). Polymers, 2020, 12, 2638.	2.0	6
10	Gellan Gum Microgels as Effective Agents for a Rapid Cleaning of Paper. ACS Applied Polymer Materials, 2020, 2, 2791-2801.	2.0	24
11	Atomic scale investigation of the volume phase transition in concentrated PNIPAM microgels. Journal of Chemical Physics, 2020, 152, 204904.	1.2	7
12	Relaxation Dynamics, Softness, and Fragility of Microgels with Interpenetrated Polymer Networks. Macromolecules, 2020, 53, 1596-1603.	2.2	24
13	Poly(N-isopropylacrylamide) based thin microgel films for use in cell culture applications. Scientific Reports, 2020, 10, 6126.	1.6	59
14	Study of network composition in interpenetrating polymer networks of poly(N isopropylacrylamide) microgels: The role of poly(acrylic acid). Journal of Colloid and Interface Science, 2019, 545, 210-219.	5.0	32
15	Molecular mechanisms driving the microgels behaviour: A Raman spectroscopy and dynamic light scattering study. Journal of Molecular Liquids, 2019, 284, 718-724.	2.3	19
16	Evidence of a low-temperature dynamical transition in concentrated microgels. Science Advances, 2018, 4, eaat5895.	4.7	28
17	Interpenetrating Polymer Network Microgels in Water: Effect of Composition on the Structural Properties and Electrosteric Interactions. ChemPhysChem, 2018, 19, 2894-2901.	1.0	12
18	New Optical Setup for In Situ DLS-SANS Measurements on Soft Matter. Neutron News, 0, , 1-2.	0.1	0

#	Article	IF	Citations
19	Impact of the Environment on the PNIPAM Dynamical Transition Probed by Elastic Neutron Scattering. Macromolecules, 0, , .	2.2	3