Roberta Angelini

List of Publications by Year
in descending order

50 papers	1,198 citations	535685 17 h-index	425179 34 g-index
51 all docs	51 docs citations	51 times ranked	1533 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	Glass and Jamming Rheology in Soft Particles Made of PNIPAM and Polyacrylic Acid. International Journal of Molecular Sciences, 2021, 22, 4032.	1.8	11
5	Chemical-Physical Behaviour of Microgels Made of Interpenetrating Polymer Networks of PNIPAM and Poly(acrylic Acid). Polymers, 2021, 13, 1353.	2.0	15
6	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
7	Understanding the metal free alginate gelation process. RSC Advances, 2021, 11, 34449-34455.	1.7	4
8	C-12 vs C-3 substituted bile salts: An example of the effects of substituent position and orientation on the self-assembly of steroid surfactant isomers. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110556.	2.5	4
9	Gellan Gum Microgels as Effective Agents for a Rapid Cleaning of Paper. ACS Applied Polymer Materials, 2020, 2, 2791-2801.	2.0	24
10	Relaxation Dynamics, Softness, and Fragility of Microgels with Interpenetrated Polymer Networks. Macromolecules, 2020, 53, 1596-1603.	2.2	24
11	Halting hyaluronidase activity with hyaluronan-based nanohydrogels: development of versatile injectable formulations. Carbohydrate Polymers, 2019, 221, 209-220.	5.1	10
12	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
13	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
14	Gel and glass transition in fragile colloidal clays. Condensed Matter Physics, 2019, 22, 43607.	0.3	1
15	Interpenetrating Polymer Network Microgels in Water: Effect of Composition on the Structural Properties and Electrosteric Interactions. ChemPhysChem, 2018, 19, 2894-2901.	1.0	12
16	Isotopic Effect on the Gel and Glass Formation of a Charged Colloidal Clay: Laponite. Journal of Physical Chemistry B, 2017, 121, 4576-4582.	1.2	9
17	Swelling of responsive-microgels: experiments versus models. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 389-396.	2.3	23
18	Dynamical behavior of microgels of interpenetrated polymer networks. Soft Matter, 2017, 13, 5185-5193.	1.2	39

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19	Local structure of temperature and pH-sensitive colloidal microgels. Journal of Chemical Physics, 2015, 143, 114904.	1.2	15
20	Non-diffusive dynamics in a colloidal glass: Aging versus rejuvenation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 316-320.	2.3	11
21	Structural and microscopic relaxations in a colloidal glass. Soft Matter, 2015, 11, 466-471.	1.2	39
22	The structure of water near a charged crystalline surface. Journal of Non-Crystalline Solids, 2015, 407, 418-422.	1.5	9
23	Dynamic light scattering study of temperature and pH sensitive colloidal microgels. Journal of Non-Crystalline Solids, 2015, 407, 361-366.	1.5	23
24	Neutron diffraction study of aqueous Laponite suspensions at the NIMROD diffractometer. Physical Review E, 2014, 90, 032301.	0.8	7
25	Aging behavior of the localization length in a colloidal glass. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 460, 118-122.	2.3	16
26	Glassâ€“glass transition during aging of a colloidal clay. Nature Communications, 2014, 5, 4049.	5.8	101
27	Dichotomic aging behaviour in a colloidal glass. Soft Matter, 2013, 9, 10955.	1.2	63
28	Observation of empty liquids and equilibrium gels in a colloidal clay. , 2013, , .		4
29	Isotopic effect on the aging dynamics of a charged colloidal system. RSC Advances, 2012, 2, 11111.	1.7	14
30	Observation of empty liquids and equilibrium gels in a colloidal clay. Nature Materials, 2011, 10, 56-60.	13.3	307
31	Competing Interactions in Arrested States of Colloidal Clays. Physical Review Letters, 2010, 104, 085701.	2.9	78
32	Reply to â€œComment on â€˜Phase diagram of a solution undergoing inverse meltingâ€™â€‰â€• Physical Review E, 2009, 79, .	0.8	4
33	Shear thickening in a solution undergoing inverse melting. Philosophical Magazine, 2008, 88, 4109-4116.	0.7	6
34	Phase diagram of a solution undergoing inverse melting. Physical Review E, 2008, 78, 020502.	0.8	17
35	Arrested state of clay-water suspensions: Gel or glass?. Physical Review E, 2008, 77, 020402.	0.8	59
36	ScopignoetÂal.Reply:. Physical Review Letters, 2007, 98, .	2.9	2

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37	High frequency dynamics and structural relaxation process in liquid ammonia. Journal of Chemical Physics, 2007, 127, 084508.	1.2	18
38	Viscosity measurements in a solution undergoing inverse melting. Philosophical Magazine, 2007, 87, 553-558.	0.7	10
39	Interaction of gadolinium with phospholipids bilayer membranes. Journal of Thermal Analysis and Calorimetry, 2007, 87, 199-203.	2.0	7
40	Examination of the influence of F6H10 fluorinated diblocks on DPPC liposomes. Journal of Thermal Analysis and Calorimetry, 2007, 87, 301-304.	2.0	6
41	High frequency dynamics of an orientationally disordered molecular crystal. Journal of Non-Crystalline Solids, 2006, 352, 4552-4555.	1.5	5
42	High-Frequency Dynamics in Metallic Glasses. Physical Review Letters, 2006, 96, 135501.	2.9	57
43	Effect ofGd3+on the colloidal stability of liposomes. Physical Review E, 2006, 74, 031913.	0.8	16
44	Relaxation dynamics in (HF)x(H2O)1â^'x solutions. Journal of Chemical Physics, 2005, 123, 034502.	1.2	0
45	Sample environment and experimental setup for inelastic x-ray scattering measurements of liquid hydrogen fluoride and (HF)x(H2O)1â^'x solutions. Review of Scientific Instruments, 2005, 76, 013905.	0.6	1
46	Microscopic dynamics and relaxation processes in liquid hydrogen fluoride. Physical Review B, 2004, 70, .	1.1	18
47	Study of the dynamic structure factor of hydrogen fluoride by inelastic X-ray scattering. Philosophical Magazine, 2004, 84, 1507-1512.	0.7	0
48	Study of the Rytov dip for liquido-terphenyl. Philosophical Magazine, 2004, 84, 1463-1469.	0.7	0
49	Structural and Microscopic Relaxation Processes in Liquid Hydrogen Fluoride. Physical Review Letters, 2002, 88, 255503.	2.9	29
50	New Optical Setup for In Situ DLS-SANS Measurements on Soft Matter. Neutron News, 0, , 1-2.	0.1	0