

Laura Rossi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,452
citations

471509

17
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	Cubic crystals from cubic colloids. <i>Soft Matter</i> , 2011, 7, 4139-4142.	2.7	316
2	Magnetic Click Colloidal Assembly. <i>Journal of the American Chemical Society</i> , 2012, 134, 6112-6115.	13.7	180
3	Self-Assembly of Colloidal Cubes via Vertical Deposition. <i>Langmuir</i> , 2012, 28, 7631-7638.	3.5	125
4	Shape-sensitive crystallization in colloidal superball fluids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5286-5290.	7.1	108
5	Lock and key colloids through polymerization-induced buckling of monodisperse silicon oil droplets. <i>Soft Matter</i> , 2011, 7, 1631-1634.	2.7	103
6	Fluorescent Monodisperse Silica Ellipsoids for Optical Rotational Diffusion Studies. <i>Langmuir</i> , 2006, 22, 1822-1827.	3.5	86
7	Colloidal phytosterols: synthesis, characterization and bioaccessibility. <i>Soft Matter</i> , 2010, 6, 928-936.	2.7	65
8	Self-assembly of colloidal hematite cubes: a microradian X-ray diffraction exploration of sedimentary crystals. <i>Soft Matter</i> , 2013, 9, 10729.	2.7	55
9	Self-organization in dipolar cube fluids constrained by competing anisotropies. <i>Soft Matter</i> , 2018, 14, 1080-1087.	2.7	52
10	Observation of a shape-dependent density maximum in random packings and glasses of colloidal silica ellipsoids. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 376108.	1.8	50
11	Isochoric ideality in jammed random packings of non-spherical granular matter. <i>Soft Matter</i> , 2011, 7, 1671.	2.7	50
12	Flexural behaviour of steel and macro-PP fibre reinforced concretes based on alkali-activated binders. <i>Construction and Building Materials</i> , 2019, 211, 583-593.	7.2	47
13	In situ hard X-ray microscopy of self-assembly in colloidal suspensions. <i>RSC Advances</i> , 2013, 3, 15670.	3.6	38
14	Oil-in-Water Emulsification Induced by Ellipsoidal Hematite Colloids: Evidence for Hydrolysis-Mediated Self-Assembly. <i>Langmuir</i> , 2007, 23, 9974-9982.	3.5	36
15	Preparation, properties, and applications of magnetic hematite microparticles. <i>Soft Matter</i> , 2021, 17, 2354-2368.	2.7	36
16	Cholesteric colloidal liquid crystals from phytosterol rod-like particles. <i>Soft Matter</i> , 2011, 7, 64-67.	2.7	31
17	Shape anisotropic colloidal particle fabrication using 2-photon polymerization. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 43-51.	9.4	19
18	Colloidal iron(III) pyrophosphate particles. <i>Food Chemistry</i> , 2014, 151, 243-247.	8.2	16

#	ARTICLE	IF	CITATIONS
19	Magnetic Coupling in Colloidal Clusters for Hierarchical Self-Assembly. ACS Nano, 2021, 15, 4989-4999.	14.6	14
20	Controlling enantiomeric populations in fluctuating Brownian monolayers of chiral colloids. Soft Matter, 2015, 11, 2461-2468.	2.7	7
21	Shape and interaction decoupling for colloidal preassembly. Science Advances, 2022, 8, .	10.3	7
22	Self-assembly of colloidal superballs under spherical confinement of a drying droplet. Jcis Open, 2022, 5, 100037.	3.2	6
23	Magnetic Colloids as Building Blocks for Complex Structures: Preparation and Assembly. Frontiers of Nanoscience, 2019, , 1-22.	0.6	5