

Jasna Brujic

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,211
citations

218677

26
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

2424
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA self-organization controls valence in programmable colloid design. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
2	Tunable Persistent Random Walk in Swimming Droplets. Physical Review X, 2020, 10, .	8.9	18
3	Emulsion patterns in the wake of a liquidâ€“liquid phase separation front. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3599-3604.	7.1	23
4	Freely Jointed Polymers Made of Droplets. Physical Review Letters, 2018, 121, 138002.	7.8	64
5	Multivalent, multiflavored droplets by design. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9086-9091.	7.1	29
6	Sequential self-assembly of DNA functionalized droplets. Nature Communications, 2017, 8, 21.	12.8	63
7	Solute-mediated interactions between active droplets. Physical Review E, 2017, 96, 032607.	2.1	52
8	Kinetic control of the coverage of oil droplets by DNA-functionalized colloids. Science Advances, 2016, 2, e1600881.	10.3	45
9	Evidence for Marginal Stability in Emulsions. Physical Review Letters, 2016, 117, 208001.	7.8	14
10	Cis and Trans Cooperativity of E-Cadherin Mediates Adhesion in Biomimetic Lipid Droplets. Biophysical Journal, 2016, 110, 391-399.	0.5	25
11	Tailoring of Highâ€“Order Multiple Emulsions by the Liquidâ€“Liquid Phase Separation of Ternary Mixtures. Angewandte Chemie - International Edition, 2014, 53, 11793-11797.	13.8	80
12	Specificity, flexibility and valence of DNA bonds guide emulsion architecture. Soft Matter, 2013, 9, 9816.	2.7	90
13	Domain-Domain Interactions in Filamin A (16â€“23) Impose a Hierarchy of Unfolding Forces. Biophysical Journal, 2013, 104, 2022-2030.	0.5	8
14	Immiscible lipids control the morphology of patchy emulsions. Soft Matter, 2013, 9, 7150.	2.7	31
15	Microscopic Approach to the Nonlinear Elasticity of Compressed Emulsions. Physical Review Letters, 2013, 110, 048302.	7.8	61
16	Biomimetic emulsions reveal the effect of mechanical forces on cellâ€“cell adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9839-9844.	7.1	78
17	A statistical mechanics framework captures the packing of monodisperse particles. Soft Matter, 2011, 7, 11518.	2.7	26
18	Reconstructing Free Energy Profiles from Nonequilibrium Relaxation Trajectories. Journal of Statistical Physics, 2011, 144, 344-366.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Attractive emulsion droplets probe the phase diagram of jammed granular matter. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4286-4291.	7.1	52
20	Jammed particles, from sandy beaches to sunscreens. Physics Today, 2010, 63, 64-65.	0.3	4
21	Model for random packing of polydisperse frictionless spheres. Soft Matter, 2010, 6, 2949.	2.7	48
22	Force-dependent polymorphism in type IV pili reveals hidden epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11358-11363.	7.1	116
23	Direct observation of an ensemble of stable collapsed states in the mechanical folding of ubiquitin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10534-10539.	7.1	116
24	A "granocentric" model for random packing of jammed emulsions. Nature, 2009, 460, 611-615.	27.8	151
25	Contour Length and Refolding Rate of a Small Protein Controlled by Engineered Disulfide Bonds. Biophysical Journal, 2007, 92, 225-233.	0.5	285
26	Dwell-Time Distribution Analysis of Polyprotein Unfolding Using Force-Clamp Spectroscopy. Biophysical Journal, 2007, 92, 2896-2903.	0.5	63
27	Force-Clamp Spectroscopy of Single-Protein Monomers Reveals the Individual Unfolding and Folding Pathways of I27 and Ubiquitin. Biophysical Journal, 2007, 93, 2436-2446.	0.5	131
28	Measuring the Coordination Number and Entropy of a 3D Jammed Emulsion Packing by Confocal Microscopy. Physical Review Letters, 2007, 98, 248001.	7.8	73
29	Single-molecule force spectroscopy reveals signatures of glassy dynamics in the energy landscape of ubiquitin. Nature Physics, 2006, 2, 282-286.	16.7	129
30	Sub-Angstrom Conformational Changes of a Single Molecule Captured by AFM Variance Analysis. Biophysical Journal, 2006, 90, 3806-3812.	0.5	32
31	A basis for the statistical mechanics of granular systems. , 2004, , 9-23.		4
32	Response to Comment on "Force-Clamp Spectroscopy Monitors the Folding Trajectory of a Single Protein". Science, 2004, 306, 411c-411c.	12.6	16
33	Measuring the distribution of interdroplet forces in a compressed emulsion system. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 201-212.	2.6	99
34	3D bulk measurements of the force distribution in a compressed emulsion system. Faraday Discussions, 2003, 123, 207-220.	3.2	114