

# Jasna Brujic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11878252/publications.pdf>

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	Contour Length and Refolding Rate of a Small Protein Controlled by Engineered Disulfide Bonds. <i>Biophysical Journal</i> , 2007, 92, 225-233.	0.5	285
2	A "granocentric" model for random packing of jammed emulsions. <i>Nature</i> , 2009, 460, 611-615.	27.8	151
3	Force-Clamp Spectroscopy of Single-Protein Monomers Reveals the Individual Unfolding and Folding Pathways of I27 and Ubiquitin. <i>Biophysical Journal</i> , 2007, 93, 2436-2446.	0.5	131
4	Single-molecule force spectroscopy reveals signatures of glassy dynamics in the energy landscape of ubiquitin. <i>Nature Physics</i> , 2006, 2, 282-286.	16.7	129
5	Direct observation of an ensemble of stable collapsed states in the mechanical folding of ubiquitin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10534-10539.	7.1	116
6	Force-dependent polymorphism in type IV pili reveals hidden epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11358-11363.	7.1	116
7	3D bulk measurements of the force distribution in a compressed emulsion system. <i>Faraday Discussions</i> , 2003, 123, 207-220.	3.2	114
8	Measuring the distribution of interdroplet forces in a compressed emulsion system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 201-212.	2.6	99
9	Specificity, flexibility and valence of DNA bonds guide emulsion architecture. <i>Soft Matter</i> , 2013, 9, 9816.	2.7	90
10	Tailoring of High-Order Multiple Emulsions by the Liquid-Liquid Phase Separation of Ternary Mixtures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11793-11797.	13.8	80
11	Biomimetic emulsions reveal the effect of mechanical forces on cell-cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9839-9844.	7.1	78
12	Measuring the Coordination Number and Entropy of a 3D Jammed Emulsion Packing by Confocal Microscopy. <i>Physical Review Letters</i> , 2007, 98, 248001.	7.8	73
13	Freely Jointed Polymers Made of Droplets. <i>Physical Review Letters</i> , 2018, 121, 138002.	7.8	64
14	Dwell-Time Distribution Analysis of Polyprotein Unfolding Using Force-Clamp Spectroscopy. <i>Biophysical Journal</i> , 2007, 92, 2896-2903.	0.5	63
15	Sequential self-assembly of DNA functionalized droplets. <i>Nature Communications</i> , 2017, 8, 21.	12.8	63
16	Microscopic Approach to the Nonlinear Elasticity of Compressed Emulsions. <i>Physical Review Letters</i> , 2013, 110, 048302.	7.8	61
17	Attractive emulsion droplets probe the phase diagram of jammed granular matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4286-4291.	7.1	52
18	Solute-mediated interactions between active droplets. <i>Physical Review E</i> , 2017, 96, 032607.	2.1	52

#	ARTICLE	IF	CITATIONS
19	Model for random packing of polydisperse frictionless spheres. <i>Soft Matter</i> , 2010, 6, 2949.	2.7	48
20	Kinetic control of the coverage of oil droplets by DNA-functionalized colloids. <i>Science Advances</i> , 2016, 2, e1600881.	10.3	45
21	Sub-Angstrom Conformational Changes of a Single Molecule Captured by AFM Variance Analysis. <i>Biophysical Journal</i> , 2006, 90, 3806-3812.	0.5	32
22	Immiscible lipids control the morphology of patchy emulsions. <i>Soft Matter</i> , 2013, 9, 7150.	2.7	31
23	Reconstructing Free Energy Profiles from Nonequilibrium Relaxation Trajectories. <i>Journal of Statistical Physics</i> , 2011, 144, 344-366.	1.2	29
24	Multivalent, multiflavored droplets by design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9086-9091.	7.1	29
25	A statistical mechanics framework captures the packing of monodisperse particles. <i>Soft Matter</i> , 2011, 7, 11518.	2.7	26
26	Cis and Trans Cooperativity of E-Cadherin Mediates Adhesion in Biomimetic Lipid Droplets. <i>Biophysical Journal</i> , 2016, 110, 391-399.	0.5	25
27	Emulsion patterns in the wake of a liquid-liquid phase separation front. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3599-3604.	7.1	23
28	Tunable Persistent Random Walk in Swimming Droplets. <i>Physical Review X</i> , 2020, 10, .	8.9	18
29	Response to Comment on "Force-Clamp Spectroscopy Monitors the Folding Trajectory of a Single Protein". <i>Science</i> , 2004, 306, 411c-411c.	12.6	16
30	Evidence for Marginal Stability in Emulsions. <i>Physical Review Letters</i> , 2016, 117, 208001.	7.8	14
31	DNA self-organization controls valence in programmable colloid design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
32	Domain-Domain Interactions in Filamin A (16-23) Impose a Hierarchy of Unfolding Forces. <i>Biophysical Journal</i> , 2013, 104, 2022-2030.	0.5	8
33	A basis for the statistical mechanics of granular systems. , 2004, , 9-23.		4
34	Jammed particles, from sandy beaches to sunscreens. <i>Physics Today</i> , 2010, 63, 64-65.	0.3	4