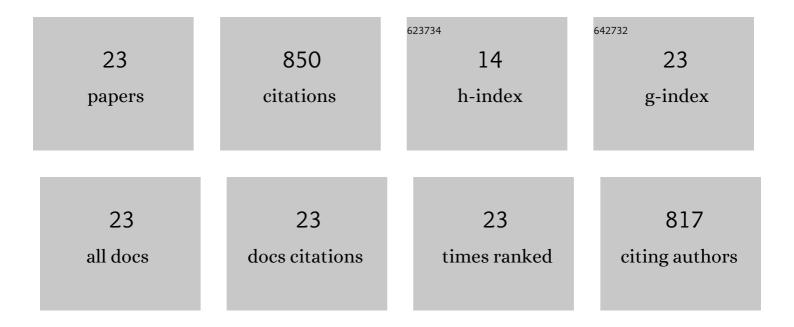
Lucia Stein-Montalvo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Efficient snap-through of spherical caps by applying a localized curvature stimulus. European Physical Journal E, 2022, 45, 3.	1.6	2
2	Grasping with kirigami shells. Science Robotics, 2021, 6, .	17.6	86
3	Elastic Instabilities Govern the Morphogenesis of the Optic Cup. Physical Review Letters, 2021, 127, 138102.	7.8	5
4	Delayed buckling of spherical shells due to viscoelastic knockdown of the critical load. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	5
5	Elastogranularity in binary granular mixtures. Granular Matter, 2020, 22, 1.	2.2	3
6	Nonlinear buckling behavior of a complete spherical shell under uniform external pressure and homogenous natural curvature. Physical Review E, 2020, 102, 023003.	2.1	11
7	Packing transitions in the elastogranular confinement of a slender loop. Soft Matter, 2020, 16, 2039-2044.	2.7	4
8	Evolution of critical buckling conditions in imperfect bilayer shells through residual swelling. Soft Matter, 2019, 15, 6134-6144.	2.7	12
9	Buckling of geometrically confined shells. Soft Matter, 2019, 15, 1215-1222.	2.7	26
10	Elasticity and stability of shape-shifting structures. Current Opinion in Colloid and Interface Science, 2019, 40, 118-137.	7.4	95
11	Elastogranular Mechanics: Buckling, Jamming, and Structure Formation. Physical Review Letters, 2018, 120, 078002.	7.8	18
12	Curvature-Induced Instabilities of Shells. Physical Review Letters, 2018, 120, 048002.	7.8	53
13	Static bistability of spherical caps. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170910.	2.1	42
14	Bioinspired Electrically Activated Soft Bistable Actuators. Advanced Functional Materials, 2018, 28, 1802999.	14.9	53
15	Bistable Polymer Actuators: Bioinspired Electrically Activated Soft Bistable Actuators (Adv. Funct.) Tj ETQq1 1 0.7	784314 rg	BT ₂ /Overlock
16	Multistable kirigami for tunable architected materials. Physical Review Materials, 2018, 2, .	2.4	46
17	Extended lubrication theory: improved estimates of flow in channels with variable geometry. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170234.	2.1	26
18	Buckling of elastic beams embedded in granular media. Extreme Mechanics Letters, 2016, 9, 237-244.	4.1	21

#	Article	IF	CITATIONS
19	Rising beyond elastocapillarity. Soft Matter, 2016, 12, 4886-4890.	2.7	18
20	Geometry and mechanics of thin growing bilayers. Soft Matter, 2016, 12, 4435-4442.	2.7	72
21	Morphing of geometric composites via residual swelling. Soft Matter, 2015, 11, 5812-5820.	2.7	80
22	Swelling-induced deformations: a materials-defined transition from macroscale to microscale de deformations. Soft Matter, 2013, 9, 5524-5528.	2.7	36
23	Bending and twisting of soft materials by non-homogenous swelling. Soft Matter, 2011, 7, 5188.	2.7	134