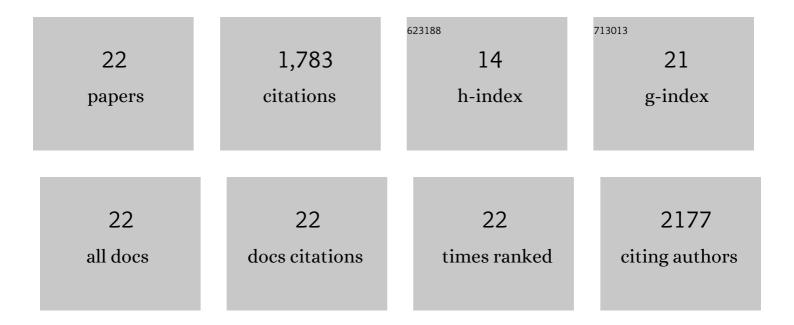
## Jesse L Silverberg

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Emergent reconfigurable mechanical metamaterial tessellations with an exponentially large number of discrete configurations. Materials and Design, 2020, 196, 109143.	3.3	9
2	Cyberphysical risks of hacked internet-connected vehicles. Physical Review E, 2019, 100, 012316.	0.8	23
3	When dense crowds act like soft solids. Physics Today, 2019, 72, 70-71.	0.3	2
4	Topological kinematics of origami metamaterials. Nature Physics, 2018, 14, 811-815.	6.5	74
5	Facilitated recruitment of mesenchymal stromal cells by bone marrow concentrate and platelet rich plasma. PLoS ONE, 2018, 13, e0194567.	1.1	18
6	Molecular Atlas Imaging and Osteoclast Formation: Multiscale Study of Cell-Cell Fusion Mechanisms. Biophysical Journal, 2017, 112, 80a-81a.	0.2	0
7	Decoupling local mechanics from large-scale structure in modular metamaterials. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3590-3595.	3.3	43
8	How to: Using Mode Analysis to Quantify, Analyze, and Interpret the Mechanisms of High-Density Collective Motion. Frontiers in Applied Mathematics and Statistics, 2017, 3, .	0.7	6
9	Emergent Structural Mechanisms for High-Density Collective Motion Inspired by Human Crowds. Physical Review Letters, 2016, 117, 228301.	2.9	35
10	Mechanisms and phenomenology of phase separation. Physics of Life Reviews, 2016, 19, 137-138.	1.5	1
11	Morphological characteristics of subchondral bone cysts in medial femoral condyles of adult horses as determined by computed tomography. American Journal of Veterinary Research, 2016, 77, 265-274.	0.3	13
12	Lattice mechanics of origami tessellations. Physical Review E, 2015, 92, 013205.	0.8	65
13	X-ray computed tomography uncovers root–root interactions: quantifying spatial relationships between interacting root systems in three dimensions. Frontiers in Plant Science, 2015, 6, 274.	1.7	27
14	Origami structures with a critical transition to bistability arising from hidden degrees of freedom. Nature Materials, 2015, 14, 389-393.	13.3	382
15	How grow-and-switch gravitropism generates root coiling and root waving growth responses in <i>Medicago truncatula</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12938-12943.	3.3	13
16	Effects of enzymatic treatments on the depth-dependent viscoelastic shear properties of articular cartilage. Journal of Orthopaedic Research, 2014, 32, 1652-1657.	1.2	53
17	Using origami design principles to fold reprogrammable mechanical metamaterials. Science, 2014, 345, 647-650.	6.0	714
18	Structure-Function Relations and Rigidity Percolation in the Shear Properties of Articular Cartilage. Biophysical Journal, 2014, 107, 1721-1730.	0.2	68

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#	Article	IF	CITATIONS
19	Anatomic variation of depthâ€dependent mechanical properties in neonatal bovine articular cartilage. Journal of Orthopaedic Research, 2013, 31, 686-691.	1.2	31
20	Collective Motion of Humans in Mosh and Circle Pits at Heavy Metal Concerts. Physical Review Letters, 2013, 110, 228701.	2.9	131
21	3D imaging and mechanical modeling of helical buckling in <i>Medicago truncatula</i> plant roots. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16794-16799.	3.3	67
22	Classical analytical mechanics and entropy production. American Journal of Physics, 2007, 75, 993-996.	0.3	8