# jerome Solon

List of Publications by Year
in descending order



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|---|---|---|---|
| 21 papers | 2,186 citations | 686830 13 h-index | 839053 18 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 3288 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fibroblast Adaptation and Stiffness Matching to Soft Elastic Substrates. Biophysical Journal, 2007, 93, 4453-4461. | 0.2 | 885 |
| 2 | Pulsed Forces Timed by a Ratchet-like Mechanism Drive Directed Tissue Movement during Dorsal Closure. Cell, 2009, 137, 1331-1342. | 13.5 | 473 |
| 3 | Modeling the effects of lipid peroxidation during ferroptosis on membrane properties. Scientific Reports, 2018, 8, 5155. | 1.6 | 223 |
| 4 | Decrease in Cell Volume Generates Contractile Forces Driving Dorsal Closure. Developmental Cell, 2015, 33, 611-621. | 3.1 | 99 |
| 5 | Vesicles surfing on a lipid bilayer: Self-induced haptotactic motion. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12382-12387. | 3.3 | 81 |
| 6 | Spontaneous Oscillations of Elastic Contractile Materials with Turnover. Physical Review Letters, 2014, 113, 148102. | 2.9 | 68 |
| 7 | Drosophila dorsal closure: An orchestra of forces to zip shut the embryo. Mechanisms of Development, 2017, 144, 2-10. | 1.7 | 60 |
| 8 | Adherens Junction Length during Tissue Contraction Is Controlled by the Mechanosensitive Activity of Actomyosin and Junctional Recycling. Developmental Cell, 2018, 47, 453-463.e3. | 3.1 | 56 |
| 9 | InÂVivo Force Application Reveals a Fast Tissue Softening and External Friction Increase during Early Embryogenesis. Current Biology, 2019, 29, 1564-1571.e6. | 1.8 | 53 |
| 10 | Membrane deformations induced by the matrix protein of vesicular stomatitis virus in a minimal system. Journal of General Virology, 2005, 86, 3357-3363. | 1.3 | 48 |
| 11 | DRhoGEF2 Regulates Cellular Tension and Cell Pulsations in the Amnioserosa during Drosophila Dorsal Closure. PLoS ONE, 2011, 6, e23964. | 1.1 | 44 |
| 12 | Automatic quantification of microtubule dynamics enables RNAiâ€screening of new mitotic spindle regulators. Cytoskeleton, 2011, 68, 266-278. | 1.0 | 41 |
| 13 | Force communication in multicellular tissues addressed by laser nanosurgery. Cell and Tissue Research, 2013, 352, 133-147. | 1.5 | 25 |
| 14 | Patterned Contractile Forces Promote Epidermal Spreading and Regulate Segment Positioning during Drosophila Head Involution. Current Biology, 2016, 26, 1895-1901. | 1.8 | 16 |
| 15 | Control of hormone-driven organ disassembly by ECM remodeling and Yorkie-dependent apoptosis. Current Biology, 2021, 31, 5261-5273.e4. | 1.8 | 4 |
| 16 | A New Player in Tissue Mechanics: MicroRNA Control of Mechanical Homeostasis. Developmental Cell, 2019, 48, 596-598. | 3.1 | 3 |
| 17 | A Compression Engine to Coordinate Tissue Elongation in the Embryo. Developmental Cell, 2020, 55, 256-258. | 3.1 | 2 |
| 18 | Application of Mechanical Forces on Drosophila Embryos by Manipulation of Microinjected Magnetic Particles. Bio-protocol, 2020, 10, e3608. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Two consecutive microtubule-based epithelial seaming events mediate dorsal closure in the scuttle fly Megaselia abdita. ELife, 2018, 7, . | 2.8 | 1 |
| 20 | Tissue Morphogenesis: Take a Step Back and Relax!. Current Biology, 2017, 27, R813-R815. | 1.8 | 0 |
| 21 | Shaping the heart with mechanosensitive shrinking cells. Developmental Cell, 2022, 57, 566-568. | 3.1 | 0 |