

# jerome Solon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2379182/publications.pdf>

Version: 2024-02-01

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  | Shaping the heart with mechanosensitive shrinking cells. <i>Developmental Cell</i> , 2022, 57, 566-568.   | 3.1  | 0         |
| 2  | Control of hormone-driven organ disassembly by ECM remodeling and Yorkie-dependent apoptosis. <i>Current Biology</i> , 2021, 31, 5261-5273.e4.  | 1.8  | 4         |
| 3  | A Compression Engine to Coordinate Tissue Elongation in the Embryo. <i>Developmental Cell</i> , 2020, 55, 256-258.  | 3.1  | 2         |
| 4  | Application of Mechanical Forces on Drosophila Embryos by Manipulation of Microinjected Magnetic Particles. <i>Bio-protocol</i> , 2020, 10, e3608.  | 0.2  | 2         |
| 5  | InÂVivo Force Application Reveals a Fast Tissue Softening and External Friction Increase during Early Embryogenesis. <i>Current Biology</i> , 2019, 29, 1564-1571.e6.                       | 1.8  | 53        |
| 6  | A New Player in Tissue Mechanics: MicroRNA Control of Mechanical Homeostasis. <i>Developmental Cell</i> , 2019, 48, 596-598.  | 3.1  | 3         |
| 7  | Modeling the effects of lipid peroxidation during ferroptosis on membrane properties. <i>Scientific Reports</i> , 2018, 8, 5155.  | 1.6  | 223       |
| 8  | Adherens Junction Length during Tissue Contraction Is Controlled by the Mechanosensitive Activity of Actomyosin and Junctional Recycling. <i>Developmental Cell</i> , 2018, 47, 453-463.e3. | 3.1  | 56        |
| 9  | Two consecutive microtubule-based epithelial seaming events mediate dorsal closure in the scuttle fly <i>Megaselia abdita</i> . <i>ELife</i> , 2018, 7, .                                   | 2.8  | 1         |
| 10 | Drosophila dorsal closure: An orchestra of forces to zip shut the embryo. <i>Mechanisms of Development</i> , 2017, 144, 2-10.   | 1.7  | 60        |
| 11 | Tissue Morphogenesis: Take a Step Back and Relax!. <i>Current Biology</i> , 2017, 27, R813-R815.  | 1.8  | 0         |
| 12 | Patterned Contractile Forces Promote Epidermal Spreading and Regulate Segment Positioning during Drosophila Head Involution. <i>Current Biology</i> , 2016, 26, 1895-1901.                  | 1.8  | 16        |
| 13 | Decrease in Cell Volume Generates Contractile Forces Driving Dorsal Closure. <i>Developmental Cell</i> , 2015, 33, 611-621.   | 3.1  | 99        |
| 14 | Spontaneous Oscillations of Elastic Contractile Materials with Turnover. <i>Physical Review Letters</i> , 2014, 113, 148102.  | 2.9  | 68        |
| 15 | Force communication in multicellular tissues addressed by laser nanosurgery. <i>Cell and Tissue Research</i> , 2013, 352, 133-147.  | 1.5  | 25        |
| 16 | Automatic quantification of microtubule dynamics enables RNAiâ€screening of new mitotic spindle regulators. <i>Cytoskeleton</i> , 2011, 68, 266-278.  | 1.0  | 41        |
| 17 | DRhoGEF2 Regulates Cellular Tension and Cell Pulsations in the Amnioserosa during Drosophila Dorsal Closure. <i>PLoS ONE</i> , 2011, 6, e23964.   | 1.1  | 44        |
| 18 | Pulsed Forces Timed by a Ratchet-like Mechanism Drive Directed Tissue Movement during Dorsal Closure. <i>Cell</i> , 2009, 137, 1331-1342.   | 13.5 | 473       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Fibroblast Adaptation and Stiffness Matching to Soft Elastic Substrates. Biophysical Journal, 2007, 93, 4453-4461.   | 0.2 | 885       |
| 20 | 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        |
| 21 | 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        |