# Romain Levayer

List of Publications by Year
in descending order



| | | 623734 | 642732 |
|---|---|---|---|
| 21 | 1,643 | 14 | 23 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 28 | 28 | 28 | 1964 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biomechanical regulation of contractility: spatial control and dynamics. Trends in Cell Biology, 2012, 22, 61-81. | 7.9 | 263 |
| 2 | Spatial regulation of Dia and Myosin-II by RhoGEF2 controls initiation of E-cadherin endocytosis during epithelial morphogenesis. Nature Cell Biology, 2011, 13, 529-540. | 10.3 | 240 |
| 3 | Tissue Crowding Induces Caspase-Dependent Competition for Space. Current Biology, 2016, 26, 670-677. | 3.9 | 179 |
| 4 | Oscillation and Polarity of E-Cadherin Asymmetries Control Actomyosin Flow Patterns during Morphogenesis. Developmental Cell, 2013, 26, 162-175. | 7.0 | 152 |
| 5 | Mechanisms of cell competition: Themes and variations. Journal of Cell Biology, 2013, 200, 689-698. | 5.2 | 128 |
| 6 | Cell mixing induced by myc is required for competitive tissue invasion and destruction. Nature, 2015, 524, 476-480. | 27.8 | 123 |
| 7 | Survival of the Fittest: Essential Roles of Cell Competition in Development, Aging, and Cancer. Trends in Cell Biology, 2016, 26, 776-788. | 7.9 | 121 |
| 8 | Competition for Space Induces Cell Elimination through Compaction-Driven ERK Downregulation. Current Biology, 2019, 29, 23-34.e8. | 3.9 | 100 |
| 9 | Robustness of epithelial sealing is an emerging property of local ERK feedback driven by cell elimination. Developmental Cell, 2021, 56, 1700-1711.e8. | 7.0 | 69 |
| 10 | Solid stress, competition for space and cancer: The opposing roles of mechanical cell competition in tumour initiation and growth. Seminars in Cancer Biology, 2020, 63, 69-80. | 9.6 | 57 |
| 11 | Breaking down EMT. Nature Cell Biology, 2008, 10, 757-759. | 10.3 | 51 |
| 12 | Multiple Influences of Mechanical Forces on Cell Competition. Current Biology, 2019, 29, R762-R774. | 3.9 | 46 |
| 13 | LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. BMC Biology, 2021, 19, 136. | 3.8 | 29 |
| 14 | Dying under pressure: cellular characterisation and in vivo functions of cell death induced by compaction. Biology of the Cell, 2019, 111, 51-66. | 2.0 | 26 |
| 15 | Collective effects in epithelial cell death and cell extrusion. Current Opinion in Genetics and Development, 2022, 72, 8-14. | 3.3 | 16 |
| 16 | How to be in a good shape? The influence of clone morphology on cell competition. Communicative and Integrative Biology, 2016, 9, e1102806. | 1.4 | 8 |
| 17 | Microtubule disassembly by caspases is an important rate-limiting step of cell extrusion. Nature Communications, 2022, 13, . | 12.8 | 8 |
| 18 | Cell Extrusion: Crowd Pushing and Sticky Neighbours. Current Biology, 2020, 30, R168-R171. | 3.9 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cell Competition: How to Take Over the Space Left by Your Neighbours. Current Biology, 2018, 28, R741-R744. | 3.9 | 3 |
| 20 | Keeping Cell Death Alive: An Introduction into the French Cell Death Research Network. Biomolecules, 2022, 12, 901. | 4.0 | 2 |
| 21 | Cell competition: Bridging the scales through cell-based modeling. Current Biology, 2021, 31, R856-R858. | 3.9 | 1 |