

Alberto Puliafito

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,654
citations

331538

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h-index

501076

28
g-index

32
all docs

32
docs citations

32
times ranked

2869
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Collective and single cell behavior in epithelial contact inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 739-744. | 3.3 | 374 |
| 2 | PDK1: At the crossroad of cancer signaling pathways. Seminars in Cancer Biology, 2018, 48, 27-35. | 4.3 | 130 |
| 3 | Endothelial podosome rosettes regulate vascular branching in tumour angiogenesis. Nature Cell Biology, 2014, 16, 931-941. | 4.6 | 107 |
| 4 | Heterogeneities in Nanog Expression Drive Stable Commitment to Pluripotency in the Mouse Blastocyst. Cell Reports, 2015, 10, 1508-1520. | 2.9 | 101 |
| 5 | Self-Organized Nuclear Positioning Synchronizes the Cell Cycle in Drosophila Embryos. Cell, 2019, 177, 925-941.e17. | 13.5 | 99 |
| 6 | Multicolor Cell Barcoding Technology for Long-Term Surveillance of Epithelial Regeneration in Zebrafish. Developmental Cell, 2016, 36, 668-680. | 3.1 | 71 |
| 7 | Polymers in linear shear flow: A numerical study. Europhysics Letters, 2005, 70, 464-470. | 0.7 | 60 |
| 8 | PI3K/mTOR inhibition promotes the regression of experimental vascular malformations driven by PIK3CA-activating mutations. Cell Death and Disease, 2018, 9, 45. | 2.7 | 59 |
| 9 | Live Monitoring of Blastemal Cell Contributions during Appendage Regeneration. Current Biology, 2016, 26, 2981-2991. | 1.8 | 55 |
| 10 | <scp>TFEB</scp> controls vascular development by regulating the proliferation of endothelial cells. EMBO Journal, 2019, 38, . | 3.5 | 55 |
| 11 | Serine/Threonine Kinase 3-Phosphoinositide-Dependent Protein Kinase-1 (PDK1) as a Key Regulator of Cell Migration and Cancer Dissemination. Cancers, 2017, 9, 25. | 1.7 | 51 |
| 12 | Dynamic Interplay between Pericytes and Endothelial Cells during Sprouting Angiogenesis. Cells, 2019, 8, 1109. | 1.8 | 48 |
| 13 | Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. Journal of Cell Biology, 2013, 203, 359-372. | 2.3 | 45 |
| 14 | PDK1-mediated activation of MRCK β regulates directional cell migration and lamellipodia retraction. Journal of Cell Biology, 2014, 206, 415-434. | 2.3 | 43 |
| 15 | Numerical study of polymer tumbling in linear shear flows. Physica D: Nonlinear Phenomena, 2005, 211, 9-22. | 1.3 | 42 |
| 16 | Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cell-like phenotype. Science Translational Medicine, 2020, 12, . | 5.8 | 40 |
| 17 | The viscoelastic Kolmogorov flow: eddy viscosity and linear stability. Journal of Fluid Mechanics, 2005, 523, 161-170. | 1.4 | 34 |
| 18 | Three-dimensional chemotaxis-driven aggregation of tumor cells. Scientific Reports, 2015, 5, 15205. | 1.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Dynamical Slowdown of Polymers in Laminar and Random Flows. <i>Physical Review Letters</i> , 2006, 97, 118301. | 2.9 | 30 |
| 20 | Real-time monitoring of cell protrusion dynamics by impedance responses. <i>Scientific Reports</i> , 2015, 5, 10206. | 1.6 | 28 |
| 21 | MRCK \pm is activated by caspase cleavage to assemble an apical actin ring for epithelial cell extrusion. <i>Journal of Cell Biology</i> , 2018, 217, 231-249. | 2.3 | 27 |
| 22 | A modified fluctuation-test framework characterizes the population dynamics and mutation rate of colorectal cancer persister cells. <i>Nature Genetics</i> , 2022, 54, 976-984. | 9.4 | 23 |
| 23 | Cell-size distribution in epithelial tissue formation and homeostasis. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170032. | 1.5 | 22 |
| 24 | Driving Cells with Light-Controlled Topographies. <i>Advanced Science</i> , 2019, 6, 1801826. | 5.6 | 21 |
| 25 | Tankyrase inhibition impairs directional migration and invasion of lung cancer cells by affecting microtubule dynamics and polarity signals. <i>BMC Biology</i> , 2016, 14, 5. | 1.7 | 20 |
| 26 | PDK1 regulates focal adhesion disassembly through modulation of β ²³ integrin endocytosis. <i>Journal of Cell Science</i> , 2015, 128, 863-77. | 1.2 | 16 |
| 27 | Activation of RSK by phosphomimetic substitution in the activation loop is prevented by structural constraints. <i>Scientific Reports</i> , 2020, 10, 591. | 1.6 | 10 |
| 28 | Cullin-5 mutants reveal collective sensing of the nucleocytoplasmic ratio in <i>Drosophila</i> embryogenesis. <i>Current Biology</i> , 2022, 32, 2084-2092.e4. | 1.8 | 10 |
| 29 | Quantitative analyses for elucidating mechanisms of cell fate commitment in the mouse blastocyst. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 0 |
| 30 | Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. <i>Journal of General Physiology</i> , 2013, 142, 1425OIA43. | 0.9 | 0 |