

Abbas Shirinifard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11487793/publications.pdf>

Version: 2024-02-01

24
papers

2,012
citations

394421

19
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

3643
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Multi-Scale Modeling of Tissues Using CompuCell3D. <i>Methods in Cell Biology</i> , 2012, 110, 325-366. | 1.1 | 415 |
| 2 | Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. <i>Science</i> , 2020, 367, . | 12.6 | 255 |
| 3 | 3D Multi-Cell Simulation of Tumor Growth and Angiogenesis. <i>PLoS ONE</i> , 2009, 4, e7190. | 2.5 | 235 |
| 4 | The Dynamic Epigenetic Landscape of the Retina During Development, Reprogramming, and Tumorigenesis. <i>Neuron</i> , 2017, 94, 550-568.e10. | 8.1 | 222 |
| 5 | Contact-Inhibited Chemotaxis in De Novo and Sprouting Blood-Vessel Growth. <i>PLoS Computational Biology</i> , 2008, 4, e1000163. | 3.2 | 185 |
| 6 | Targeting the DNA Repair Pathway in Ewing Sarcoma. <i>Cell Reports</i> , 2014, 9, 829-840. | 6.4 | 141 |
| 7 | Retinal Cell Type DNA Methylation and Histone Modifications Predict Reprogramming Efficiency and Retinogenesis in 3D Organoid Cultures. <i>Cell Reports</i> , 2018, 22, 2601-2614. | 6.4 | 63 |
| 8 | Computer Simulations of Cell Sorting Due to Differential Adhesion. <i>PLoS ONE</i> , 2011, 6, e24999. | 2.5 | 61 |
| 9 | Ovarian Tumor Attachment, Invasion, and Vascularization Reflect Unique Microenvironments in the Peritoneum: Insights from Xenograft and Mathematical Models. <i>Frontiers in Oncology</i> , 2013, 3, 97. | 2.8 | 45 |
| 10 | Simulation of single-species bacterial-biofilm growth using the Glazier-Graner-Hogeweg model and the CompuCell3D modeling environment. <i>Mathematical Biosciences and Engineering</i> , 2008, 5, 355-388. | 1.9 | 43 |
| 11 | Deep multiomics profiling of brain tumors identifies signaling networks downstream of cancer driver genes. <i>Nature Communications</i> , 2019, 10, 3718. | 12.8 | 42 |
| 12 | Adhesion Failures Determine the Pattern of Choroidal Neovascularization in the Eye: A Computer Simulation Study. <i>PLoS Computational Biology</i> , 2012, 8, e1002440. | 3.2 | 39 |
| 13 | The cell behavior ontology: describing the intrinsic biological behaviors of real and model cells seen as active agents. <i>Bioinformatics</i> , 2014, 30, 2367-2374. | 4.1 | 35 |
| 14 | Interleukin-15 Enhances Anti-GD2 Antibody-Mediated Cytotoxicity in an Orthotopic PDX Model of Neuroblastoma. <i>Clinical Cancer Research</i> , 2019, 25, 7554-7564. | 7.0 | 33 |
| 15 | Emergent Stratification in Solid Tumors Selects for Reduced Cohesion of Tumor Cells: A Multi-Cell, Virtual-Tissue Model of Tumor Evolution Using CompuCell3D. <i>PLoS ONE</i> , 2015, 10, e0127972. | 2.5 | 32 |
| 16 | Front Instabilities and Invasiveness of Simulated 3D Avascular Tumors. <i>PLoS ONE</i> , 2010, 5, e10641. | 2.5 | 31 |
| 17 | Oxygen Tension and the VHL-Hif1 α Pathway Determine Onset of Neuronal Polarization and Cerebellar Germinal Zone Exit. <i>Neuron</i> , 2020, 106, 607-623.e5. | 8.1 | 31 |
| 18 | Development and characterization of a human orthotopic neuroblastoma xenograft. <i>Developmental Biology</i> , 2015, 407, 344-355. | 2.0 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The tumor cellâ€secreted matricellular protein <sc>WISP</sc> 1 drives proâ€metastatic collagen linearization. EMBO Journal, 2019, 38, e101302. | 7.8 | 24 |
| 20 | Circadian gene variants and the skeletal muscle circadian clock contribute to the evolutionary divergence in longevity across <i>Drosophila</i> populations. Genome Research, 2019, 29, 1262-1276. | 5.5 | 20 |
| 21 | Matricellular Protein WISP2 Is an Endogenous Inhibitor of Collagen Linearization and Cancer Metastasis. Cancer Research, 2021, 81, 5666-5677. | 0.9 | 9 |
| 22 | 3D quantitative analyses of angiogenic sprout growth dynamics. Developmental Dynamics, 2013, 242, 518-526. | 1.8 | 8 |
| 23 | Detection of Phenotypic Alterations Using High-Content Analysis of Whole-Slide Images. Journal of Histochemistry and Cytochemistry, 2016, 64, 301-310. | 2.5 | 8 |
| 24 | Measuring Absolute Blood Perfusion in Mice Using Dynamic Contrast-Enhanced Ultrasound. Ultrasound in Medicine and Biology, 2017, 43, 1628-1638. | 1.5 | 5 |