# Kevin A Janes

List of Publications by Year
in descending order



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|---|---|---|---|
| 61 papers | 5,829 citations | 172457 29 h-index | 149698 56 g-index |
| 71 all docs | 71 docs citations | 71 times ranked | 8145 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Distinct MUNC lncRNA structural domains regulate transcription of different promyogenic factors. Cell Reports, 2022, 38, 110361. | 6.4 | 13 |
| 2 | A cell-nonautonomous mechanism of yeast chronological aging regulated by caloric restriction and one-carbon metabolism. Journal of Biological Chemistry, 2021, 296, 100125. | 3.4 | 17 |
| 3 | Premalignant Oligodendrocyte Precursor Cells Stall in a Heterogeneous State of Replication Stress Prior to Gliomagenesis. Cancer Research, 2021, 81, 1868-1882. | 0.9 | 11 |
| 4 | Fragmentation of Small-Cell Lung Cancer Regulatory States in Heterotypic Microenvironments. Cancer Research, 2021, 81, 1853-1867. | 0.9 | 9 |
| 5 | Pan-Cancer Drivers Are Recurrent Transcriptional Regulatory Heterogeneities in Early-Stage Luminal Breast Cancer. Cancer Research, 2021, 81, 1840-1852. | 0.9 | 10 |
| 6 | Modeling the complete kinetics of coxsackievirus B3 reveals human determinants of host-cell feedback. Cell Systems, 2021, 12, 304-323.e13. | 6.2 | 12 |
| 7 | Ten simple rules for being a faculty advocate of first-year graduate students. PLoS Computational Biology, 2021, 17, e1009379. | 3.2 | 0 |
| 8 | Simulating coxsackievirus B3 infection with an accessible computational model of its complete kinetics. STAR Protocols, 2021, 2, 100940. | 1.2 | 1 |
| 9 | The receptor tyrosine kinase Ror is required for dendrite regeneration in Drosophila neurons. PLoS Biology, 2020, 18, e3000657. | 5.6 | 24 |
| 10 | Astrocytic trans-Differentiation Completes a Multicellular Paracrine Feedback Loop Required for Medulloblastoma Tumor Growth. Cell, 2020, 180, 502-520.e19. | 28.9 | 99 |
| 11 | Fragile epitopesâ€"Antibodyâ€™s guess is as good as yours. Science Signaling, 2020, 13, . | 3.6 | 11 |
| 12 | Sporadic activation of an oxidative stressâ€"dependent NRF2-p53 signaling network in breast epithelial spheroids and premalignancies. Science Signaling, 2020, 13, . | 3.6 | 25 |
| 13 | CIRCOAST: a statistical hypothesis test for cellular colocalization with network structures. Bioinformatics, 2019, 35, 506-514. | 4.1 | 4 |
| 14 | In situ 10-cell RNA sequencing in tissue and tumor biopsy samples. Scientific Reports, 2019, 9, 4836. | 3.3 | 23 |
| 15 | Robust latent-variable interpretation of in vivo regression models by nested resampling. Scientific Reports, 2019, 9, 19671. | 3.3 | 3 |
| 16 | An ultrasensitive fiveplex activity assay for cellular kinases. Scientific Reports, 2019, 9, 19409. | 3.3 | 3 |
| 17 | Automated brightfield morphometry of 3D organoid populations by OrganoSeg. Scientific Reports, 2018, 8, 5319. | 3.3 | 92 |
| 18 | Profiling Subcellular Protein Phosphatase Responses to Coxsackievirus B3 Infection of Cardiomyocytes. Molecular and Cellular Proteomics, 2017, 16, S244-S262. | 3.8 | 13 |

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|---|---|---|---|
| 19 | An engineering design approach to systems biology. Integrative Biology (United Kingdom), 2017, 9, 574-583. | 1.3 | 22 |
| 20 | Tumor-Suppressor Inactivation of GDF11 Occurs by Precursor Sequestration in Triple-Negative Breast Cancer. Developmental Cell, 2017, 43, 418-435.e13. | 7.0 | 62 |
| 21 | Computational Models of Reactive Oxygen Species as Metabolic Byproducts and Signal-Transduction Modulators. Frontiers in Pharmacology, 2016, 7, 457. | 3.5 | 34 |
| 22 | Single-cell states versus single-cell atlases â€" two classes of heterogeneity that differ in meaning and method. Current Opinion in Biotechnology, 2016, 39, 120-125. | 6.6 | 23 |
| 23 | Network Architecture Predisposes an Enzyme to Either Pharmacologic or Genetic Targeting. Cell Systems, 2016, 2, 112-121. | 6.2 | 21 |
| 24 | TNF-insulin crosstalk at the transcription factor GATA6 is revealed by a model that links signaling and transcriptomic data tensors. Science Signaling, 2016, 9, ra59. | 3.6 | 25 |
| 25 | Small Molecule Inhibitor of CBFÎ²-RUNX Binding for RUNX Transcription Factor Driven Cancers. EBioMedicine, 2016, 8, 117-131. | 6.1 | 84 |
| 26 | Science Signaling Podcast for 7 June 2016: Modeling signal integration. Science Signaling, 2016, 9, pc13. | 3.6 | 0 |
| 27 | Cell-to-Cell Transcript Variability: Seeing Signal in the Noise. Cell, 2015, 163, 1566-1568. | 28.9 | 7 |
| 28 | An analysis of critical factors for quantitative immunoblotting. Science Signaling, 2015, 8, rs2. | 3.6 | 167 |
| 29 | Non-genetic heterogeneity caused by differential single-cell adhesion. Cell Cycle, 2014, 13, 2149-2150. | 2.6 | 3 |
| 30 | A time- and matrix-dependent TGFBR3â€"JUNDâ€"KRT5 regulatory circuit in single breast epithelial cells and basal-like premalignancies. Nature Cell Biology, 2014, 16, 345-356. | 10.3 | 70 |
| 31 | Parameterizing cell-to-cell regulatory heterogeneities via stochastic transcriptional profiles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E626-35. | 7.1 | 37 |
| 32 | An ERK-p38 Subnetwork Coordinates Host Cell Apoptosis and Necrosis during Coxsackievirus B3 Infection. Cell Host and Microbe, 2013, 13, 67-76. | 11.0 | 39 |
| 33 | Stochastic profiling of transcriptional regulatory heterogeneities in tissues, tumors and cultured cells. Nature Protocols, 2013, 8, 282-301. | 12.0 | 32 |
| 34 | Simultaneous Profiling of 194 Distinct Receptor Transcripts in Human Cells. Science Signaling, 2013, 6, rs13. | 3.6 | 30 |
| 35 | A High-throughput Assay for Phosphoprotein-specific Phosphatase Activity in Cellular Extracts. Molecular and Cellular Proteomics, 2013, 12, 797-806. | 3.8 | 22 |
| 36 | Models of signalling networks â€" what cell biologists can gain from them and give to them. Journal of Cell Science, 2013, 126, 1913-1921. | 2.0 | 78 |

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|---|---|---|---|
| 37 | Modeling the latent dimensions of multivariate signaling datasets. Physical Biology, 2012, 9, 045004. | 1.8 | 16 |
| 38 | Multiscale Models of Cell Signaling. Annals of Biomedical Engineering, 2012, 40, 2319-2327. | 2.5 | 16 |
| 39 | Normal morphogenesis of epithelial tissues and progression of epithelial tumors. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 51-78. | 6.6 | 42 |
| 40 | Systems-Engineering Principles in SignalÂTransduction and Cell-Fate Choice. , 2012, , 1-14. | | 0 |
| 41 | RUNX1 and its understudied role in breast cancer. Cell Cycle, 2011, 10, 3461-3465. | 2.6 | 62 |
| 42 | Intersection of FOXO- and RUNX1-mediated gene expression programs in single breast epithelial cells during morphogenesis and tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E803-12. | 7.1 | 108 |
| 43 | Paring down signaling complexity. Nature Biotechnology, 2010, 28, 681-682. | 17.5 | 8 |
| 44 | Identifying single-cell molecular programs by stochastic profiling. Nature Methods, 2010, 7, 311-317. | 19.0 | 112 |
| 45 | Pairwise network mechanisms in the host signaling response to coxsackievirus B3 infection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17053-17058. | 7.1 | 42 |
| 46 | Cytokine-Induced Signaling Networks Prioritize Dynamic Range over Signal Strength. Cell, 2008, 135, 343-354. | 28.9 | 96 |
| 47 | When microarrays Met epidermalâ€cell migration. Molecular Systems Biology, 2008, 4, 200. | 7.2 | 0 |
| 48 | Common effector processing mediates cell-specific responses to stimuli. Nature, 2007, 448, 604-608. | 27.8 | 183 |
| 49 | The Response of Human Epithelial Cells to TNF Involves an Inducible Autocrine Cascade. Cell, 2006, 124, 1225-1239. | 28.9 | 188 |
| 50 | Data-driven modelling of signal-transduction networks. Nature Reviews Molecular Cell Biology, 2006, 7, 820-828. | 37.0 | 347 |
| 51 | A biological approach to computational models of proteomic networks. Current Opinion in Chemical Biology, 2006, 10, 73-80. | 6.1 | 111 |
| 52 | Applying computational modeling to drug discovery and development. Drug Discovery Today, 2006, 11, 806-811. | 6.4 | 115 |
| 53 | Adenoviral vector saturates Akt pro-survival signaling and blocks insulin-mediated rescue of tumor-necrosis-factor-induced apoptosis. Journal of Cell Science, 2006, 119, 3788-3798. | 2.0 | 21 |
| 54 | A Systems Model of Signaling Identifies a Molecular Basis Set for Cytokine-Induced Apoptosis. Science, 2005, 310, 1646-1653. | 12.6 | 506 |

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| 55 | A multiplexed homogeneous fluorescence-based assay for protein kinase activity in cell lysates. Nature Methods, 2005, 2, 277-284. | 19.0 | 202 |
| 56 | A Compendium of Signals and Responses Triggered by Prodeath and Prosurvival Cytokines. Molecular and Cellular Proteomics, 2005, 4, 1569-1590. | 3.8 | 134 |
| 57 | Cue-Signal-Response Analysis of TNF-Induced Apoptosis by Partial Least Squares Regression of Dynamic Multivariate Data. Journal of Computational Biology, 2004, 11, 544-561. | 1.6 | 106 |
| 58 | Low molecular weight chitosan nanoparticles as new carriers for nasal vaccine delivery in mice. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 123-131. | 4.3 | 408 |
| 59 | A High-throughput Quantitative Multiplex Kinase Assay for Monitoring Information Flow in Signaling Networks. Molecular and Cellular Proteomics, 2003, 2, 463-473. | 3.8 | 89 |
| 60 | Chitosan-DNA nanoparticles as gene carriers: synthesis, characterization and transfection efficiency. Journal of Controlled Release, 2001, 70, 399-421. | 9.9 | 1,140 |
| 61 | Chitosan nanoparticles as delivery systems for doxorubicin. Journal of Controlled Release, 2001, 73, 255-267. | 9.9 | 639 |