# Robin E C Lee

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 27 papers | 883 citations | 687363 13 h-index | 752698 20 g-index |
| 32 all docs | 32 docs citations | 32 times ranked | 1342 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fold Change of Nuclear NF-ÎºB Determines TNF-Induced Transcription in Single Cells. Molecular Cell, 2014, 53, 867-879. | 9.7 | 229 |
| 2 | Metacaspase Yca1 is required for clearance of insoluble protein aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13348-13353. | 7.1 | 139 |
| 3 | A Non-Death Role of the Yeast Metacaspase: Yca1p Alters Cell Cycle Dynamics. PLoS ONE, 2008, 3, e2956. | 2.5 | 83 |
| 4 | NF-ÎºB Dynamics Discriminate between TNF Doses in Single Cells. Cell Systems, 2017, 5, 638-645.e5. | 6.2 | 66 |
| 5 | NF-ÎºB signalling and cell fate decisions in response to a short pulse of tumour necrosis factor. Scientific Reports, 2016, 6, 39519. | 3.3 | 51 |
| 6 | A novel whole-cell lysate kinase assay identifies substrates of the p38 MAPK in differentiating myoblasts. Skeletal Muscle, 2012, 2, 5. | 4.2 | 43 |
| 7 | NF-ÎºB-Chromatin Interactions Drive Diverse Phenotypes by Modulating Transcriptional Noise. Cell Reports, 2018, 22, 585-599. | 6.4 | 43 |
| 8 | Cell-to-cell variability in cell death: can systems biology help us make sense of it all?. Cell Death and Disease, 2014, 5, e1261-e1261. | 6.3 | 34 |
| 9 | Demystifying the cytokine network: Mathematical models point the way. Cytokine, 2017, 98, 115-123. | 3.2 | 32 |
| 10 | A network-centric approach to drugging TNF-induced NF-ÎºB signaling. Nature Communications, 2019, 10, 860. | 12.8 | 26 |
| 11 | Dopamine D2 receptor modulates Wnt expression and control of cell proliferation. Scientific Reports, 2019, 9, 16861. | 3.3 | 23 |
| 12 | Parallel Tempering with Lasso for model reduction in systems biology. PLoS Computational Biology, 2020, 16, e1007669. | 3.2 | 22 |
| 13 | Reconstructing the Regulatory Kinase Pathways of Myogenesis from Phosphopeptide Data. Molecular and Cellular Proteomics, 2006, 5, 2244-2251. | 3.8 | 20 |
| 14 | Evaluation of Parallel Tempering to Accelerate Bayesian Parameter Estimation in Systems Biology. , 2018, 2018, 690-697. | | 15 |
| 15 | A System for Analog Control of Cell Culture Dynamics to Reveal Capabilities of Signaling Networks. IScience, 2019, 19, 586-596. | 4.1 | 15 |
| 16 | The yeast kinome displays scale free topology with functional hub clusters. BMC Bioinformatics, 2005, 6, 271. | 2.6 | 10 |
| 17 | Shift from stochastic to spatially-ordered expression of serine-glycine synthesis enzymes in 3D microtumors. Scientific Reports, 2018, 8, 9388. | 3.3 | 10 |
| 18 | A variable-gain stochastic pooling motif mediates information transfer from receptor assemblies into NF-ÎºB. Science Advances, 2021, 7, . | 10.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | dNEMO: a tool for quantification of mRNA and punctate structures in time-lapse images of single cells. Bioinformatics, 2021, 37, 677-683. | 4.1 | 4 |
| 20 | Reconstructing Regulatory Kinase Pathways from Phosphopeptide Data: A Bioinformatics Approach. Methods in Molecular Biology, 2009, 527, 311-319. | 0.9 | 3 |
| 21 | Long-term imaging of individual mRNA molecules in living cells. Cell Reports Methods, 2022, 2, 100226. | 2.9 | 3 |
| 22 | Putting it all on pigmentation: Heuristics of a bold and stochastic cell fate decision. Science Signaling, 2015, 8, fs17. | 3.6 | 0 |
| 23 | Monitoring the Proteostasis Function of the Saccharomyces cerevisiae Metacaspase Yca1. Methods in Molecular Biology, 2014, 1133, 223-235. | 0.9 | 0 |
| 24 | Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669. | | 0 |
| 25 | Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669. | | 0 |
| 26 | Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669. | | 0 |
| 27 | Parallel Tempering with Lasso for model reduction in systems biology. , 2020, 16, e1007669. | | 0 |