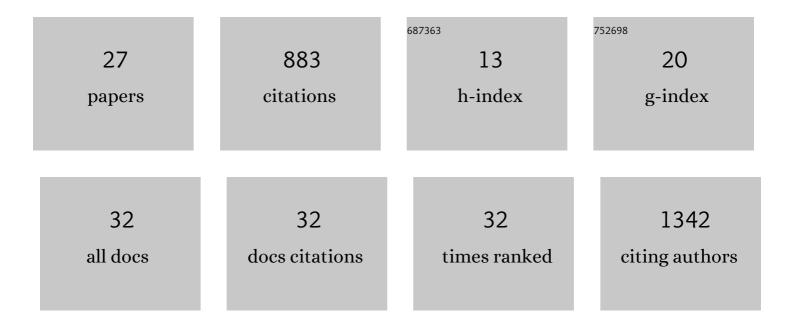
## Robin E C Lee

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1057440/publications.pdf Version: 2024-02-01



| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Fold Change of Nuclear NF-κB 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-κB Dynamics Discriminate between TNF Doses in Single Cells. Cell Systems, 2017, 5, 638-645.e5.  | 6.2  | 66        |
| 5  | NF-κB signalling and cell fate decisions in response to a short pulse of tumour necrosis factor.<br>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-κB-Chromatin Interactions Drive Diverse Phenotypes by Modulating Transcriptional Noise. Cell<br>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-κB signaling. Nature Communications, 2019, 10,<br>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. ,<br>2018, 2018, 690-697.   |      | 15        |
| 15 | A System for Analog Control of Cell Culture Dynamics to Reveal Capabilities of Signaling Networks.<br>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<br>NF-κB. Science Advances, 2021, 7, .  | 10.3 | 10        |

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|----|---|-----|-----------|
| 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.<br>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<br>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.   |     | Ο         |