

# Simon Mitchell

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19  
papers

625  
citations

10  
h-index

24  
g-index

24  
ext. papers

946  
ext. citations

8.5  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
19	TLR9 expression in chronic lymphocytic leukemia identifies a promigratory subpopulation and novel therapeutic target. <i>Blood</i> , <b>2021</b> , 137, 3064-3078	2.2	2
18	Identification of neural oscillations and epileptiform changes in human brain organoids. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 1488-1500	25.5	20
17	Machine learning for determining accurate outcomes in criminal trials. <i>Law, Probability and Risk</i> , <b>2020</b> , 19, 43-65	0.6	1
16	Dissecting the Regulatory Strategies of NF- $\kappa$ B RelA Target Genes in the Inflammatory Response Reveals Differential Transactivation Logics. <i>Cell Reports</i> , <b>2020</b> , 30, 2758-2775.e6	10.6	19
15	An incoherent feedforward loop interprets NFB/RelA dynamics to determine TNF-induced necroptosis decisions. <i>Molecular Systems Biology</i> , <b>2020</b> , 16, e9677	12.2	2
14	Neuronal Network Topology Indicates Distinct Recovery Processes after Stroke. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 6363-6375	5.1	7
13	What Will B Will B: Identifying Molecular Determinants of Diverse B-Cell Fate Decisions Through Systems Biology. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 616592	5.7	3
12	An NFB Activity Calculator to Delineate Signaling Crosstalk: Type I and II Interferons Enhance NFB via Distinct Mechanisms. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1425	8.4	16
11	Substrate complex competition is a regulatory motif that allows NFB RelA to license but not amplify NFB RelB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10592-10597	11.5	2
10	A Regulatory Circuit Controlling the Dynamics of NFB cRel Transitions B Cells from Proliferation to Plasma Cell Differentiation. <i>Immunity</i> , <b>2019</b> , 50, 616-628.e6	32.3	30
9	Nongenetic origins of cell-to-cell variability in B lymphocyte proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E2888-E2897	11.5	34
8	Deriving Quantitative Cell Biological Information from Dye-Dilution Lymphocyte Proliferation Experiments. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1707, 81-94	1.4	
7	Identifying Noise Sources governing cell-to-cell variability. <i>Current Opinion in Systems Biology</i> , <b>2018</b> , 8, 39-45	3.2	10
6	Polypyrimidine tract-binding protein blocks miRNA-124 biogenesis to enforce its neuronal-specific expression in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11061-E11070	11.5	11
5	Signaling via the NFB system. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2016</b> , 8, 227-41	6.6	429
4	Training the 21st Century Immunologist. <i>Trends in Immunology</i> , <b>2015</b> , 36, 283-5	14.4	10
3	Studying NF- $\kappa$ B signaling with mathematical models. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1280, 647-61	1.4	5

- 2 A computational model of liver iron metabolism. *PLoS Computational Biology*, **2013**, 9, e1003299 5 21
- 1 Polypyrimidine Tract Binding Protein blocks microRNA-124 biogenesis to enforce its neuronal specific expression 1