

Simon Mitchell

List of Publications by Citations

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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	Signaling via the NFB system. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016 , 8, 227-41	6.6	429
18	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> , 2018 , 115, E2888-E2897	11.5	34
17	A Regulatory Circuit Controlling the Dynamics of NFB cRel Transitions B Cells from Proliferation to Plasma Cell Differentiation. <i>Immunity</i> , 2019 , 50, 616-628.e6	32.3	30
16	A computational model of liver iron metabolism. <i>PLoS Computational Biology</i> , 2013 , 9, e1003299	5	21
15	Identification of neural oscillations and epileptiform changes in human brain organoids. <i>Nature Neuroscience</i> , 2021 , 24, 1488-1500	25.5	20
14	Dissecting the Regulatory Strategies of NF- κ B RelA Target Genes in the Inflammatory Response Reveals Differential Transactivation Logics. <i>Cell Reports</i> , 2020 , 30, 2758-2775.e6	10.6	19
13	An NFB Activity Calculator to Delineate Signaling Crosstalk: Type I and II Interferons Enhance NFB via Distinct Mechanisms. <i>Frontiers in Immunology</i> , 2019 , 10, 1425	8.4	16
12	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> , 2018 , 115, E11061-E11070	11.5	11
11	Training the 21st Century Immunologist. <i>Trends in Immunology</i> , 2015 , 36, 283-5	14.4	10
10	Identifying Noise Sources governing cell-to-cell variability. <i>Current Opinion in Systems Biology</i> , 2018 , 8, 39-45	3.2	10
9	Neuronal Network Topology Indicates Distinct Recovery Processes after Stroke. <i>Cerebral Cortex</i> , 2020 , 30, 6363-6375	5.1	7
8	Studying NF- κ B signaling with mathematical models. <i>Methods in Molecular Biology</i> , 2015 , 1280, 647-61	1.4	5
7	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> , 2020 , 8, 616592	5.7	3
6	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> , 2019 , 116, 10592-10597	11.5	2
5	An incoherent feedforward loop interprets NFB/RelA dynamics to determine TNF-induced necroptosis decisions. <i>Molecular Systems Biology</i> , 2020 , 16, e9677	12.2	2
4	TLR9 expression in chronic lymphocytic leukemia identifies a promigratory subpopulation and novel therapeutic target. <i>Blood</i> , 2021 , 137, 3064-3078	2.2	2
3	Machine learning for determining accurate outcomes in criminal trials. <i>Law, Probability and Risk</i> , 2020 , 19, 43-65	0.6	1

- 2 Polypyrimidine Tract Binding Protein blocks microRNA-124 biogenesis to enforce its neuronal specific expression 1
- 1 Deriving Quantitative Cell Biological Information from Dye-Dilution Lymphocyte Proliferation Experiments. *Methods in Molecular Biology*, **2018**, 1707, 81-94 1.4