

# Simon Mitchell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7703712/publications.pdf>

Version: 2024-02-01

22  
papers

1,226  
citations

758635

12  
h-index

752256

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Signaling via the $\text{NF-}\kappa\text{B}$ system. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2016, 8, 227-241.	6.6	724
2	Identification of neural oscillations and epileptiform changes in human brain organoids. Nature Neuroscience, 2021, 24, 1488-1500.	7.1	112
3	Nongenetic origins of cell-to-cell variability in B lymphocyte proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2888-E2897.	3.3	67
4	A Regulatory Circuit Controlling the Dynamics of $\text{NF-}\kappa\text{B}$ cRel Transitions B Cells from Proliferation to Plasma Cell Differentiation. Immunity, 2019, 50, 616-628.e6.	6.6	58
5	Dissecting the Regulatory Strategies of $\text{NF-}\kappa\text{B}$ RelA Target Genes in the Inflammatory Response Reveals Differential Transactivation Logics. Cell Reports, 2020, 30, 2758-2775.e6.	2.9	35
6	A Computational Model of Liver Iron Metabolism. PLoS Computational Biology, 2013, 9, e1003299.	1.5	33
7	An $\text{NF-}\kappa\text{B}$ Activity Calculator to Delineate Signaling Crosstalk: Type I and II Interferons Enhance $\text{NF-}\kappa\text{B}$ via Distinct Mechanisms. Frontiers in Immunology, 2019, 10, 1425.	2.2	31
8	Polypyrimidine tract-binding protein blocks miRNA-124 biogenesis to enforce its neuronal-specific expression in the mouse. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11061-E11070.	3.3	30
9	Identifying noise sources governing cell-to-cell variability. Current Opinion in Systems Biology, 2018, 8, 39-45.	1.3	20
10	Neuronal Network Topology Indicates Distinct Recovery Processes after Stroke. Cerebral Cortex, 2020, 30, 6363-6375.	1.6	20
11	TLR9 expression in chronic lymphocytic leukemia identifies a promigratory subpopulation and novel therapeutic target. Blood, 2021, 137, 3064-3078.	0.6	20
12	An incoherent feedforward loop interprets $\text{NF-}\kappa\text{B}$ /RelA dynamics to determine TNF $\alpha$ -induced necroptosis decisions. Molecular Systems Biology, 2020, 16, e9677.	3.2	18
13	Training the 21st Century Immunologist. Trends in Immunology, 2015, 36, 283-285.	2.9	15
14	What Will B Will B: Identifying Molecular Determinants of Diverse B-Cell Fate Decisions Through Systems Biology. Frontiers in Cell and Developmental Biology, 2020, 8, 616592.	1.8	9
15	Substrate complex competition is a regulatory motif that allows $\text{NF-}\kappa\text{B}$ RelA to license but not amplify $\text{NF-}\kappa\text{B}$ RelB. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10592-10597.	3.3	7
16	Studying $\text{NF-}\kappa\text{B}$ Signaling with Mathematical Models. Methods in Molecular Biology, 2015, 1280, 647-661.	0.4	6
17	Elucidation of Focal Adhesion Kinase as a Modulator of Migration and Invasion and as a Potential Therapeutic Target in Chronic Lymphocytic Leukemia. Cancers, 2022, 14, 1600.	1.7	6
18	Targeting the Non-Canonical $\text{NF-}\kappa\text{B}$ Pathway in Chronic Lymphocytic Leukemia and Multiple Myeloma. Cancers, 2022, 14, 1489.	1.7	6

#	ARTICLE	IF	CITATIONS
19	Machine learning for determining accurate outcomes in criminal trials. <i>Law, Probability and Risk</i> , 2020, 19, 43-65.	1.2	4
20	Dissecting the impact of bromodomain inhibitors on the Interferon Regulatory Factor 4â€MYC oncogenic axis in multiple myeloma. <i>Hematological Oncology</i> , 2022, 40, 417-429.	0.8	3
21	Deriving Quantitative Cell Biological Information from Dye-Dilution Lymphocyte Proliferation Experiments. <i>Methods in Molecular Biology</i> , 2018, 1707, 81-94.	0.4	0
22	Abstract 2326: Time-resolved studies of necroptosis reveal distinct regulatory functions for NFÎ®B. , 2018, , .		0