

# David Shorthouse

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3931295/publications.pdf>

Version: 2024-02-01

19  
papers

704  
citations

1040056

9  
h-index

1125743

13  
g-index

27  
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27  
docs citations

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times ranked

1296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid Clustering Correlates with Membrane Curvature as Revealed by Molecular Simulations of Complex Lipid Bilayers. <i>PLoS Computational Biology</i> , 2014, 10, e1003911.	3.2	189
2	Tumor-induced stromal reprogramming drives lymph node transformation. <i>Nature Immunology</i> , 2016, 17, 1118-1127.	14.5	126
3	Nothing to Sneeze At: A Dynamic and Integrative Computational Model of an Influenza A Virion. <i>Structure</i> , 2015, 23, 584-597.	3.3	90
4	Selection of Oncogenic Mutant Clones in Normal Human Skin Varies with Body Site. <i>Cancer Discovery</i> , 2021, 11, 340-361.	9.4	66
5	Free Energy Landscape of Lipid Interactions with Regulatory Binding Sites on the Transmembrane Domain of the EGF Receptor. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8154-8163.	2.6	60
6	Lung tumors with distinct p53 mutations respond similarly to p53 targeted therapy but exhibit genotype-specific statin sensitivity. <i>Genes and Development</i> , 2017, 31, 1339-1353.	5.9	58
7	Molecular simulations of glycolipids: Towards mammalian cell membrane models. <i>Biochimie</i> , 2016, 120, 105-109.	2.6	27
8	Cancer-causing <i>BRCA2</i> missense mutations disrupt an intracellular protein assembly mechanism to disable genome maintenance. <i>Nucleic Acids Research</i> , 2021, 49, 5588-5604.	14.5	20
9	Exploring the role of stromal osmoregulation in cancer and disease using executable modelling. <i>Nature Communications</i> , 2018, 9, 3011.	12.8	17
10	SARS-CoV-2 Variants Are Selecting for Spike Protein Mutations That Increase Protein Stability. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4152-4155.	5.4	14
11	Computational Saturation Screen Reveals the Landscape of Mutations in Human Fumarate Hydratase. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 1970-1980.	5.4	12
12	Tumor-Derived Lactic Acid Modulates Activation and Metabolic Status of Draining Lymph Node Stroma. <i>Cancer Immunology Research</i> , 2022, 10, 482-497.	3.4	9
13	A toolbox for discrete modelling of cell signalling dynamics. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 370-382.	1.3	6
14	Aggregation of Therapeutic Antibodies: A Multiscale Molecular Dynamics Approach. <i>Biophysical Journal</i> , 2014, 106, 58a-59a.	0.5	0
15	Novel Methodologies for the Computational Study of Protein Aggregation. <i>Biophysical Journal</i> , 2015, 108, 495a.	0.5	0
16	Nothing to Sneeze at: A Full-Scale Computational Model of the Human Influenza Virion. <i>Biophysical Journal</i> , 2015, 108, 31a.	0.5	0
17	Darwinian Shift: A General Approach for Establishing Evidence and Mechanism of Natural Selection. <i>Biophysical Journal</i> , 2020, 118, 195a-196a.	0.5	0
18	High-Throughput Mutational Screen Identifies Phenotypically Relevant Categories of Mutations in Fumarate Hydratase. <i>Biophysical Journal</i> , 2020, 118, 194a-195a.	0.5	0

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19	Cancer-associated Mutations Co-locate with TRPA1 Hinge Formation in the Ankyrin Repeat Region. Biophysical Journal, 2020, 118, 11a-12a.	0.5	0