

Kyle C A Wedgwood

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

229
citations

1307594

7
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modelling of Endocrine Systems. Trends in Endocrinology and Metabolism, 2019, 30, 244-257.	7.1	66
2	Vangl2 promotes the formation of long cytonemes to enable distant Wnt/ β^2 -catenin signaling. Nature Communications, 2021, 12, 2058.	12.8	42
3	Variability in cyanobacteria sensitivity to antibiotics and implications for environmental risk assessment. Science of the Total Environment, 2019, 695, 133804.	8.0	20
4	Modeling of Wnt-mediated tissue patterning in vertebrate embryogenesis. PLoS Computational Biology, 2020, 16, e1007417.	3.2	20
5	Spatiotemporal Dynamics of Insulinitis in Human Type 1 Diabetes. Frontiers in Physiology, 2016, 7, 633.	2.8	16
6	Limitations of perturbative techniques in the analysis of rhythms and oscillations. Journal of Mathematical Biology, 2013, 66, 139-161.	1.9	12
7	Somatostatin-Positive Interneurons Contribute to Seizures in <i>SCN8A</i> Epileptic Encephalopathy. Journal of Neuroscience, 2021, 41, 9257-9273.	3.6	11
8	Macroscopic coherent structures in a stochastic neural network: from interface dynamics to coarse-grained bifurcation analysis. Journal of Mathematical Biology, 2017, 75, 885-928.	1.9	10
9	Robust spike timing in an excitable cell with delayed feedback. Journal of the Royal Society Interface, 2021, 18, 20210029.	3.4	10
10	Of Mice and Dementia™: A filmed conversation on the use of animals in dementia research. Dementia, 2018, 17, 1055-1063.	2.0	5
11	Cardiopulmonary responses to maximal aerobic exercise in patients with cystic fibrosis. PLoS ONE, 2019, 14, e0211219.	2.5	5
12	Six degrees of depolarization. Physics of Life Reviews, 2018, 24, 136-139.	2.8	3
13	An Analysis of Waves Underlying Grid Cell Firing in the Medial Entorhinal Cortex. Journal of Mathematical Neuroscience, 2017, 7, 9.	2.4	2
14	Control of clustered action potential firing in a mathematical model of entorhinal cortex stellate cells. Journal of Theoretical Biology, 2018, 449, 23-34.	1.7	2
15	Morphogen-directed cell fate boundaries: slow passage through bifurcation and the role of folded saddles. Journal of Theoretical Biology, 2022, , 111220.	1.7	1