

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