

# Janina Hesse

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7316156/publications.pdf>

Version: 2024-02-01

10  
papers

484  
citations

1307594

7  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organized criticality as a fundamental property of neural systems. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 166.	2.5	335
2	An Optimal Time for Treatment – Predicting Circadian Time by Machine Learning and Mathematical Modelling. <i>Cancers</i> , 2020, 12, 3103.	3.7	25
3	Diurnal variations in the expression of core-clock genes correlate with resting muscle properties and predict fluctuations in exercise performance across the day. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e000876.	2.9	25
4	A mathematical model of the circadian clock and drug pharmacology to optimize irinotecan administration timing in colorectal cancer. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5170-5183.	4.1	25
5	Qualitative changes in phase-response curve and synchronization at the saddle-node-loop bifurcation. <i>Physical Review E</i> , 2017, 95, 052203.	2.1	23
6	Long-term continuous positive airway pressure treatment ameliorates biological clock disruptions in obstructive sleep apnea. <i>EBioMedicine</i> , 2021, 65, 103248.	6.1	18
7	Externalization of neuronal somata as an evolutionary strategy for energy economization. <i>Current Biology</i> , 2015, 25, R324-R325.	3.9	15
8	Firing statistics in the bistable regime of neurons with homoclinic spike generation. <i>Physical Review E</i> , 2021, 103, 012407.	2.1	8
9	Temperature elevations can induce switches to homoclinic action potentials that alter neural encoding and synchronization. <i>Nature Communications</i> , 2022, 13, .	12.8	7
10	How to correctly quantify neuronal phase-response curves from noisy recordings. <i>Journal of Computational Neuroscience</i> , 2019, 47, 17-30.	1.0	3