

# Sebastian S James

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7280163/publications.pdf>

Version: 2024-02-01

12  
papers

196  
citations

1478505

6  
h-index

1372567

10  
g-index

16  
all docs

16  
docs citations

16  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vortex Configurations, Matching, and Domain Structure in Large Arrays of Artificial Pinning Centers. <i>Physical Review Letters</i> , 2002, 88, 067003.	7.8	87
2	Building a Spiking Neural Network Model of the Basal Ganglia on SpiNNaker. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 823-836.	3.8	24
3	Linear System Identification Versus Physical Modeling of Lateral-Longitudinal Vehicle Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 1380-1387.	5.2	23
4	Longitudinal Vehicle Dynamics: A Comparison of Physical and Data-Driven Models Under Large-Scale Real-World Driving Conditions. <i>IEEE Access</i> , 2020, 8, 73714-73729.	4.2	19
5	SpineCreator: a Graphical User Interface for the Creation of Layered Neural Models. <i>Neuroinformatics</i> , 2017, 15, 25-40.	2.8	14
6	Linear System Identification of Longitudinal Vehicle Dynamics Versus Nonlinear Physical Modelling. , 2018, , .		9
7	Integrating Brain and Biomechanical Models- A New Paradigm for Understanding Neuro-muscular Control. <i>Frontiers in Neuroscience</i> , 2018, 12, 39.	2.8	8
8	Modelling the emergence of whisker barrels. <i>ELife</i> , 2020, 9, .	6.0	4
9	Limit cycle dynamics can guide the evolution of gene regulatory networks towards point attractors. <i>Scientific Reports</i> , 2019, 9, 16750.	3.3	2
10	Target-distractor synchrony affects performance in a novel motor task for studying action selection. <i>PLoS ONE</i> , 2017, 12, e0176945.	2.5	1
11	Biological action at a distance: Correlated pattern formation in adjacent tessellation domains without communication. <i>PLoS Computational Biology</i> , 2022, 18, e1009963.	3.2	1
12	Parallel prefix scan for the computation of axonal projection patterns in biological neural networks. , 0, , .		0