

Shigeru Kuroda

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

362
citations

1040056

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h-index

1058476

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g-index

15
all docs

15
docs citations

15
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological specificity and hierarchical network of the circadian calcium rhythm in the suprachiasmatic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21498-21503.	7.1	97
2	Dissociation of <i>Per1</i> and <i>Bmal1</i> circadian rhythms in the suprachiasmatic nucleus in parallel with behavioral outputs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3699-E3708.	7.1	63
3	Spatial clustering property and its self-similarity in membrane potentials of hippocampal CA1 pyramidal neurons for a spatio-temporal input sequence. Cognitive Neurodynamics, 2007, 1, 305-316.	4.0	36
4	Cantor coding in the hippocampus. Japan Journal of Industrial and Applied Mathematics, 2001, 18, 249-258.	0.9	35
5	Common mechanics of mode switching in locomotion of limbless and legged animals. Journal of the Royal Society Interface, 2014, 11, 20140205.	3.4	35
6	Attempts to retreat from a dead-ended long capillary by backward swimming in Paramecium. Frontiers in Microbiology, 2014, 5, 270.	3.5	23
7	Allometry in <i>Physarum</i> plasmodium during free locomotion: size versus shape, speed and rhythm. Journal of Experimental Biology, 2015, 218, 3729-38.	1.7	20
8	Experimental models for Murray's law. Journal Physics D: Applied Physics, 2017, 50, 024001.	2.8	18
9	Iterated function systems in the hippocampal CA1. Cognitive Neurodynamics, 2009, 3, 205-222.	4.0	14
10	A mathematical model for adaptive vein formation during exploratory migration of <i>Physarum polycephalum</i> : routing while scouting. Journal Physics D: Applied Physics, 2017, 50, 434001.	2.8	9
11	Gait switching with phase reversal of locomotory waves in the centipede <i>Scolopocryptops rubiginosus</i> . Bioinspiration and Biomimetics, 2022, 17, 026005.	2.9	4
12	Current reinforcement model reproduces center-to-center vein trajectory of <i>Physarum polycephalum</i> . Development Growth and Differentiation, 2017, 59, 465-470.	1.5	3
13	A Mathematical Model for the Hippocampus: Towards the Understanding of Episodic Memory and Imagination. Progress of Theoretical Physics Supplement, 2008, 173, 99-108.	0.1	2
14	Physiological properties of Cantor coding-like iterated function system in the hippocampal CA1 network. Cognitive Neurodynamics, 2021, 15, 733-740.	4.0	2