

Wenping Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7133496/publications.pdf>

Version: 2024-02-01

15
papers

525
citations

759233

12
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Available energy fluxes drive a transition in the diversity, stability, and functional structure of microbial communities. <i>PLoS Computational Biology</i> , 2019, 15, e1006793.	3.2	101
2	Proximity-Driven Enhanced Magnetic Order at Ferromagnetic-Insulator–Magnetic-Topological-Insulator Interface. <i>Physical Review Letters</i> , 2015, 115, 087201.	7.8	81
3	A minimal model for microbial biodiversity can reproduce experimentally observed ecological patterns. <i>Scientific Reports</i> , 2020, 10, 3308.	3.3	56
4	Magnetic proximity effect and interlayer exchange coupling of ferromagnetic/topological insulator/ferromagnetic trilayer. <i>Physical Review B</i> , 2015, 91, .	3.2	44
5	Effect of Resource Dynamics on Species Packing in Diverse Ecosystems. <i>Physical Review Letters</i> , 2020, 125, 048101.	7.8	39
6	The thermodynamic uncertainty relation in biochemical oscillations. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190098.	3.4	32
7	The Community Simulator: A Python package for microbial ecology. <i>PLoS ONE</i> , 2020, 15, e0230430.	2.5	31
8	The Minimum Environmental Perturbation Principle: A New Perspective on Niche Theory. <i>American Naturalist</i> , 2020, 196, 291-305.	2.1	26
9	Diverse communities behave like typical random ecosystems. <i>Physical Review E</i> , 2021, 104, 034416.	2.1	26
10	Identifying feasible operating regimes for early T-cell recognition: The speed, energy, accuracy trade-off in kinetic proofreading and adaptive sorting. <i>PLoS ONE</i> , 2018, 13, e0202331.	2.5	18
11	Constrained optimization as ecological dynamics with applications to random quadratic programming in high dimensions. <i>Physical Review E</i> , 2019, 99, 052111.	2.1	17
12	Electron energy can oscillate near a crystal dislocation. <i>New Journal of Physics</i> , 2017, 19, 013033.	2.9	13
13	Near-field optical effect of a core-shell nanostructure in proximity to a flat surface. <i>Journal of Chemical Physics</i> , 2014, 140, 044109.	3.0	8
14	Topological effect of surface plasmon excitation in gapped isotropic topological insulator nanowires. <i>Canadian Journal of Physics</i> , 2015, 93, 591-598.	1.1	4
15	Tunable THz surface plasmon polariton based on a topological insulator/layered superconductor hybrid structure. <i>Physical Review B</i> , 2014, 89, .	3.2	3