

Jintao Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5606978/publications.pdf>

Version: 2024-02-01

16
papers

1,842
citations

567281

15
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion channels enable electrical communication in bacterial communities. <i>Nature</i> , 2015, 527, 59-63.	27.8	527
2	Metabolic co-dependence gives rise to collective oscillations within biofilms. <i>Nature</i> , 2015, 523, 550-554.	27.8	393
3	Species-Independent Attraction to Biofilms through Electrical Signaling. <i>Cell</i> , 2017, 168, 200-209.e12.	28.9	232
4	Coupling between distant biofilms and emergence of nutrient time-sharing. <i>Science</i> , 2017, 356, 638-642.	12.6	192
5	Toward a quantitative theory of intrinsically disordered proteins and their function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19819-19823.	7.1	92
6	Signal Percolation within a Bacterial Community. <i>Cell Systems</i> , 2018, 7, 137-145.e3.	6.2	77
7	Encoding Membrane-Potential-Based Memory within a Microbial Community. <i>Cell Systems</i> , 2020, 10, 417-423.e3.	6.2	71
8	Bistable emergence of oscillations in growing <i>Bacillus subtilis</i> biofilms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8333-E8340.	7.1	41
9	SnapShot: Electrochemical Communication in Biofilms. <i>Cell</i> , 2017, 170, 214-214.e1.	28.9	40
10	Metabolic basis of brain-like electrical signalling in bacterial communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180382.	4.0	38
11	Randomized Controlled Trial of a Telephone-Delivered Physical Activity and Fatigue Self-management Interventions in Adults With Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 2006-2014.	0.9	35
12	N-player quantum minority game. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 327, 98-102.	2.1	31
13	Synergism between Different Germinant Receptors in the Germination of <i>Bacillus subtilis</i> Spores. <i>Journal of Bacteriology</i> , 2011, 193, 4664-4671.	2.2	27
14	Noise Expands the Response Range of the <i>Bacillus subtilis</i> Competence Circuit. <i>PLoS Computational Biology</i> , 2016, 12, e1004793.	3.2	20
15	Dynamic and Thermodynamic Properties of Porous Vortex Matter in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ in an Oblique Magnetic Field. <i>Physical Review Letters</i> , 2007, 99, 087001.	7.8	17
16	Langevin dynamics of the two-stage melting transition of vortex matter in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$.	3.2	7