Shenshen Wang

List of Publications by Year
in descending order

17	762	933447 10	888059 17
papers	citations	h-index	g-index

17	17	17	1147
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effects of Somatic Hypermutation on Neutralization and Binding in the PGT121 Family of Broadly Neutralizing HIV Antibodies. PLoS Pathogens, 2013, 9, e1003754.	4.7	175
2	Manipulating the Selection Forces during Affinity Maturation to Generate Cross-Reactive HIV Antibodies. Cell, 2015, 160, 785-797.	28.9	173
3	Entanglement tongue and quantum synchronization of disordered oscillators. Physical Review E, 2014, 89, 022913.	2.1	117
4	Active contractility in actomyosin networks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6446-6451.	7.1	72
5	On the spontaneous collective motion of active matter. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15184-15189.	7.1	46
6	Tuning environmental timescales to evolve and maintain generalists. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12693-12699.	7.1	41
7	Optimal Sequential Immunization Can Focus Antibody Responses against Diversity Loss and Distraction. PLoS Computational Biology, 2017, 13, e1005336.	3.2	36
8	Evolving generalists in switching rugged landscapes. PLoS Computational Biology, 2019, 15, e1007320.	3.2	27
9	Roadmap on biology in time varying environments. Physical Biology, 2021, 18, 041502.	1.8	23
10	Microscopic theory of the glassy dynamics of passive and active network materials. Journal of Chemical Physics, 2013, 138, 12A521.	3.0	15
11	Active Tuning of Synaptic Patterns Enhances Immune Discrimination. Physical Review Letters, 2018, 121, 238101.	7.8	13
12	Aging-induced fragility of the immune system. Journal of Theoretical Biology, 2021, 510, 110473.	1.7	6
13	Coevolutionary transitions emerging from flexible molecular recognition and eco-evolutionary feedback. IScience, 2021, 24, 102861.	4.1	6
14	Active patterning and asymmetric transport in a model actomyosin network. Journal of Chemical Physics, 2013, 139, 235103.	3.0	4
15	Shaping Polyclonal Responses via Antigen-Mediated Antibody Interference. IScience, 2020, 23, 101568.	4.1	4
16	Trait-space patterning and the role of feedback in antigen-immunity coevolution. Physical Review Research, 2019, 1, .	3.6	3
17	Naturally evolvable antibody affinity may be physically limited. BioEssays, 2021, 43, 2100045.	2.5	1