

# Shenshen Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2371173/publications.pdf>

Version: 2024-02-01

17  
papers

762  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1147  
citing authors

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