

Wen Jun Xie

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,092
citations

471509

17
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing computational enzyme design by a maximum entropy strategy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
2	Electrostatic influence on IL-1 transport through the GSDMD pore. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
3	pH regulates potassium conductance and drives a constitutive proton current in human TMEM175. Science Advances, 2022, 8, eabm1568.	10.3	22
4	Combined immunodeficiency caused by a loss-of-function mutation in DNA polymerase delta 1. Journal of Allergy and Clinical Immunology, 2020, 145, 391-401.e8.	2.9	28
5	Characterizing chromatin folding coordinate and landscape with deep learning. PLoS Computational Biology, 2020, 16, e1008262.	3.2	23
6	Single-molecule and in silico dissection of the interaction between Polycomb repressive complex 2 and chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30465-30475.	7.1	41
7	Molecular mechanism for NLRP6 inflammasome assembly and activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2052-2057.	7.1	86
8	Learning the Formation Mechanism of Domain-Level Chromatin States with Epigenomics Data. Biophysical Journal, 2019, 116, 2047-2056.	0.5	28
9	Interlayer hopping dynamics of bilayer water confined between graphene sheets. Chemical Physics Letters, 2019, 722, 153-159.	2.6	2
10	Structure of water confined between two parallel graphene plates. Journal of Chemical Physics, 2019, 150, 124703.	3.0	32
11	Definition of Free O-H Groups of Water at the Air-Water Interface. Journal of Chemical Theory and Computation, 2018, 14, 357-364.	5.3	46
12	Large Hydrogen-Bond Mismatch between TMAO and Urea Promotes Their Hydrophobic Association. Chem, 2018, 4, 2615-2627.	11.7	27
13	The effect of hydration number on the interfacial transport of sodium ions. Nature, 2018, 557, 701-705.	27.8	205
14	Single Mutations Reshape the Structural Correlation Network of the DMXAA-Human STING Complex. Journal of Physical Chemistry B, 2017, 121, 2073-2082.	2.6	14
15	Structural Modeling of Chromatin Integrates Genome Features and Reveals Chromosome Folding Principle. Scientific Reports, 2017, 7, 2818.	3.3	42
16	DNA Methylation Landscape Reflects the Spatial Organization of Chromatin in Different Cells. Biophysical Journal, 2017, 113, 1395-1404.	0.5	39
17	Tuning ice nucleation with counterions on polyelectrolyte brush surfaces. Science Advances, 2016, 2, e1600345.	10.3	134
18	Ion Pairing in Alkali Nitrate Electrolyte Solutions. Journal of Physical Chemistry B, 2016, 120, 2343-2351.	2.6	25

#	ARTICLE	IF	CITATIONS
19	Dual reorientation relaxation routes of water molecules in oxyanion TM 's hydration shell: A molecular geometry perspective. <i>Journal of Chemical Physics</i> , 2015, 143, 224504.	3.0	24
20	DNA cross-triggered cascading self-amplification artificial biochemical circuit. <i>Chemical Science</i> , 2015, 6, 1225-1229.	7.4	22
21	On the molecular mechanism of ion specific Hofmeister series. <i>Science China Chemistry</i> , 2014, 57, 36-47.	8.2	19
22	Ion cooperativity and the effect of salts on polypeptide structure – a molecular dynamics study of BBA5 in salt solutions. <i>Faraday Discussions</i> , 2013, 160, 191-206.	3.2	11
23	A Simple Theory for the Hofmeister Series. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4247-4252.	4.6	164
24	Microscopic Origin of the Deviation from Stokes-Einstein Behavior Observed in Dynamics of the KSCN Aqueous Solutions: A MD Simulation Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2992-3004.	2.6	24