

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	The effect of hydration number on the interfacial transport of sodium ions. <i>Nature</i> , 2018, 557, 701-705.	27.8	205
2	A Simple Theory for the Hofmeister Series. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4247-4252.	4.6	164
3	Tuning ice nucleation with counterions on polyelectrolyte brush surfaces. <i>Science Advances</i> , 2016, 2, e1600345.	10.3	134
4	Molecular mechanism for NLRP6 inflammasome assembly and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2052-2057.	7.1	86
5	Definition of Free O-H Groups of Water at the Air-Water Interface. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 357-364.	5.3	46
6	Structural Modeling of Chromatin Integrates Genome Features and Reveals Chromosome Folding Principle. <i>Scientific Reports</i> , 2017, 7, 2818.	3.3	42
7	Single-molecule and in silico dissection of the interaction between Polycomb repressive complex 2 and chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30465-30475.	7.1	41
8	DNA Methylation Landscape Reflects the Spatial Organization of Chromatin in Different Cells. <i>Biophysical Journal</i> , 2017, 113, 1395-1404.	0.5	39
9	Structure of water confined between two parallel graphene plates. <i>Journal of Chemical Physics</i> , 2019, 150, 124703.	3.0	32
10	Learning the Formation Mechanism of Domain-Level Chromatin States with Epigenomics Data. <i>Biophysical Journal</i> , 2019, 116, 2047-2056.	0.5	28
11	Combined immunodeficiency caused by a loss-of-function mutation in DNA polymerase delta 1. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 391-401.e8.	2.9	28
12	Large Hydrogen-Bond Mismatch between TMAO and Urea Promotes Their Hydrophobic Association. <i>Chem</i> , 2018, 4, 2615-2627.	11.7	27
13	Ion Pairing in Alkali Nitrate Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2343-2351.	2.6	25
14	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
15	Dual reorientation relaxation routes of water molecules in oxyanion's hydration shell: A molecular geometry perspective. <i>Journal of Chemical Physics</i> , 2015, 143, 224504.	3.0	24
16	Characterizing chromatin folding coordinate and landscape with deep learning. <i>PLoS Computational Biology</i> , 2020, 16, e1008262.	3.2	23
17	DNA cross-triggered cascading self-amplification artificial biochemical circuit. <i>Chemical Science</i> , 2015, 6, 1225-1229.	7.4	22
18	pH regulates potassium conductance and drives a constitutive proton current in human TMEM175. <i>Science Advances</i> , 2022, 8, eabm1568.	10.3	22

#	ARTICLE	IF	CITATIONS
19	On the molecular mechanism of ion specific Hofmeister series. <i>Science China Chemistry</i> , 2014, 57, 36-47.	8.2	19
20	Enhancing computational enzyme design by a maximum entropy strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
21	Single Mutations Reshape the Structural Correlation Network of the DMXAAâ€‘Human STING Complex. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2073-2082.	2.6	14
22	Electrostatic influence on IL-1 transport through the GSDMD pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	13
23	Ion cooperativity and the effect of salts on polypeptide structure â€‘ a molecular dynamics study of BBA5 in salt solutions. <i>Faraday Discussions</i> , 2013, 160, 191-206.	3.2	11
24	Interlayer hopping dynamics of bilayer water confined between graphene sheets. <i>Chemical Physics Letters</i> , 2019, 722, 153-159.	2.6	2