

Zefang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,187
citations

430874

18
h-index

395702

33
g-index

40
all docs

40
docs citations

40
times ranked

2014
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of the Porcine Deltacoronavirus Main Protease Reveals a Conserved Target for the Design of Antivirals. <i>Viruses</i> , 2022, 14, 486.	3.3	3
2	Crystal Structures of Wolbachia CidA and CidB Reveal Determinants of Bacteria-induced Cytoplasmic Incompatibility and Rescue. <i>Nature Communications</i> , 2022, 13, 1608.	12.8	15
3	Structural Basis of Zika Virus Helicase in RNA Unwinding and ATP Hydrolysis. <i>ACS Infectious Diseases</i> , 2022, 8, 150-158.	3.8	0
4	Ultra-rapid modulation of neurite outgrowth in a gigahertz acoustic streaming system. <i>Lab on A Chip</i> , 2021, 21, 1948-1955.	6.0	11
5	Yeast cell surface display of bacterial PET hydrolase as a sustainable biocatalyst for the degradation of polyethylene terephthalate. <i>Methods in Enzymology</i> , 2021, 648, 457-477.	1.0	8
6	Structural basis for GTP-induced dimerization and antiviral function of guanylate-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
7	An ultra-red fluorescent biosensor for highly sensitive and rapid detection of biliverdin. <i>Analytica Chimica Acta</i> , 2021, 1174, 338709.	5.4	3
8	Structural and mechanistic insights into the complexes formed by <i>Wolbachia</i> cytoplasmic incompatibility factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
9	Efficient biodegradation of highly crystallized polyethylene terephthalate through cell surface display of bacterial PETase. <i>Science of the Total Environment</i> , 2020, 709, 136138.	8.0	103
10	A Rapid and Ultrasensitive Thrombin Biosensor Based on a Rationally Designed Trifunctional Protein. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000364.	7.6	9
11	Crystal structure of the NS3 helicase of tick-borne encephalitis virus. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 601-606.	2.1	4
12	Benzene Derivatives from Ink Lead to False Positive Results in Neonatal Hyperphenylalaninemia Screening with Ninhydrin Fluorometric Method. <i>International Journal of Neonatal Screening</i> , 2020, 6, 14.	3.2	2
13	Soluble hydrophobin mutants produced in <i>Escherichia coli</i> can self-assemble at various interfaces. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 384-395.	9.4	2
14	Hydrophobin-functionalized film bulk acoustic wave resonators for sensitive and polarity-sensitive sensing of volatile organic compounds. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	4
15	The crystal structure of main protease from mouse hepatitis virus A59 in complex with an inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 794-799.	2.1	25
16	Structural insight into the Zika virus capsid encapsulating the viral genome. <i>Cell Research</i> , 2018, 28, 497-499.	12.0	26
17	Effective Bioactivity Retention of Low-Concentration Antibodies on HFBI-Modified Fluorescence ICTS for Sensitive and Rapid Detection of PSA. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14549-14558.	8.0	29
18	Mechanism of ATP hydrolysis by the Zika virus helicase. <i>FASEB Journal</i> , 2018, 32, 5250-5257.	0.5	20

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19	Dual-functional protein for one-step production of a soluble and targeted fluorescent dye. <i>Theranostics</i> , 2018, 8, 3111-3125.	10.0	17
20	The self-assembly of monosubstituted BODIPY and HFBI-RGD. <i>RSC Advances</i> , 2018, 8, 21472-21479.	3.6	8
21	A Mutation Identified in Neonatal Microcephaly Destabilizes Zika Virus NS1 Assembly in Vitro. <i>Scientific Reports</i> , 2017, 7, 42580.	3.3	28
22	One-step exfoliation and functionalization of graphene by hydrophobin for high performance water molecular sensing. <i>Carbon</i> , 2017, 116, 695-702.	10.3	20
23	Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a Piezoelectric Nano-Electromechanical Device. <i>Small</i> , 2017, 13, 1602962.	10.0	53
24	Discovery of unsymmetrical aromatic disulfides as novel inhibitors of SARS-CoV main protease: Chemical synthesis, biological evaluation, molecular docking and 3D-QSAR study. <i>European Journal of Medicinal Chemistry</i> , 2017, 137, 450-461.	5.5	75
25	Zika virus evades interferon-mediated antiviral response through the co-operation of multiple nonstructural proteins in vitro. <i>Cell Discovery</i> , 2017, 3, 17006.	6.7	166
26	The conformational changes of Zika virus methyltransferase upon converting SAM to SAH. <i>Oncotarget</i> , 2017, 8, 14830-14834.	1.8	24
27	Self-assembled hydrophobin for producing water-soluble and membrane permeable fluorescent dye. <i>Scientific Reports</i> , 2016, 6, 23061.	3.3	14
28	The crystal structure of Zika virus helicase: basis for antiviral drug design. <i>Protein and Cell</i> , 2016, 7, 450-454.	11.0	72
29	Structural basis of Zika virus helicase in recognizing its substrates. <i>Protein and Cell</i> , 2016, 7, 562-570.	11.0	72
30	Mechanisms of activation and inhibition of Zika virus NS2B-NS3 protease. <i>Cell Research</i> , 2016, 26, 1260-1263.	12.0	71
31	Crystallization and preliminary crystallographic study of Porcine epidemic diarrhea virus main protease in complex with an inhibitor. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1608-1611.	0.8	0
32	Hydrophilic modification of polystyrene with hydrophobin for time-resolved immunofluorometric assay. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1074-1079.	10.1	45
33	Prokaryotic expression, purification, and polyclonal antibody production of a hydrophobin from <i>Grifola frondosa</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2010, 42, 388-395.	2.0	15
34	Mechanisms of Protein Adhesion on Surface Films of Hydrophobin. <i>Langmuir</i> , 2010, 26, 8491-8496.	3.5	77
35	Expression and characterization of a <i>Grifola frondosa</i> hydrophobin in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2010, 72, 19-25.	1.3	43
36	Protein HGFI from the edible mushroom <i>Grifola frondosa</i> is a novel 8 kDa class I hydrophobin that forms rodlets in compressed monolayers. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1677-1685.	1.8	48