

Jingxin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,667
citations

361388

20
h-index

434170

31
g-index

34
all docs

34
docs citations

34
times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Mediated Enzyme Fragment Complementation Assay for Quantification of the Stability of Splice Isoforms. <i>ChemBioChem</i> , 2022, , .	2.6	1
2	RNA-Targeting Splicing Modifiers: Drug Development and Screening Assays. <i>Molecules</i> , 2021, 26, 2263.	3.8	21
3	Recognition of single-stranded nucleic acids by small-molecule splicing modulators. <i>Nucleic Acids Research</i> , 2021, 49, 7870-7883.	14.5	18
4	Inhibition of SARS-CoV-2 by Targeting Conserved Viral RNA Structures and Sequences. <i>Frontiers in Chemistry</i> , 2021, 9, 802766.	3.6	20
5	The RNA Architecture of the SARS-CoV-2 3' UTR. <i>Viruses</i> , 2020, 12, 1473.	3.3	37
6	Discovery of a Potent GLUT Inhibitor from a Library of Rapafucins by Using 3D Microarrays. <i>Angewandte Chemie</i> , 2019, 131, 17318-17322.	2.0	5
7	Discovery of a Potent GLUT Inhibitor from a Library of Rapafucins by Using 3D Microarrays. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17158-17162.	13.8	22
8	Using In Vitro and In-cell SHAPE to Investigate Small Molecule Induced Pre-mRNA Structural Changes. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	0
9	Rapamycin-inspired macrocycles with new target specificity. <i>Nature Chemistry</i> , 2019, 11, 254-263.	13.6	65
10	Mechanistic studies of a small-molecule modulator of SMN2 splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4604-E4612.	7.1	83
11	Oligoribonuclease is the primary degradative enzyme for pGpG in <i>Pseudomonas aeruginosa</i> that is required for cyclic-di-GMP turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5048-57.	7.1	117
12	Essential roles of methionine and S-adenosylmethionine in the autarkic lifestyle of <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10008-10013.	7.1	130
13	Octameric G8 c-di-GMP is an efficient peroxidase and this suggests that an open G-tetrad site can effectively enhance hemin peroxidation reactions. <i>RSC Advances</i> , 2013, 3, 6305.	3.6	12
14	Selective binding of F-c-di-GMP to Ct-E88 and Cb-E43, new class I riboswitches from <i>Clostridium tetani</i> and <i>Clostridium botulinum</i> respectively. <i>Molecular BioSystems</i> , 2013, 9, 1535.	2.9	9
15	Potent suppression of c-di-GMP synthesis via I-site allosteric inhibition of diguanylate cyclases with F-c-di-GMP. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4396-4404.	3.0	45
16	Inhibitors of fatty acid synthesis in prokaryotes and eukaryotes as anti-infective, anticancer and anti-obesity drugs. <i>Future Medicinal Chemistry</i> , 2012, 4, 1113-1151.	2.3	18
17	Endo-S-c-di-GMP Analogues-Polymorphism and Binding Studies with Class I Riboswitch. <i>Molecules</i> , 2012, 17, 13376-13389.	3.8	16
18	Altering the Communication Networks of Multispecies Microbial Systems Using a Diverse Toolbox of AI-2 Analogues. <i>ACS Chemical Biology</i> , 2012, 7, 1023-1030.	3.4	45

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19	c-di-GMP can form remarkably stable G-quadruplexes at physiological conditions in the presence of some planar intercalators. <i>Chemical Communications</i> , 2011, 47, 4766.	4.1	49
20	Effects on Membrane Lateral Pressure Suggest Permeation Mechanisms for Bacterial Quorum Signaling Molecules. <i>Biochemistry</i> , 2011, 50, 6983-6993.	2.5	41
21	Thiazole Orange-Induced c-di-GMP Quadruplex Formation Facilitates a Simple Fluorescent Detection of This Ubiquitous Biofilm Regulating Molecule. <i>Journal of the American Chemical Society</i> , 2011, 133, 4856-4864.	13.7	74
22	Conservative Change to the Phosphate Moiety of Cyclic Diguanylic Monophosphate Remarkably Affects Its Polymorphism and Ability To Bind DGC, PDE, and PilZ Proteins. <i>Journal of the American Chemical Society</i> , 2011, 133, 9320-9330.	13.7	50
23	DNA-Based Peroxidation Catalyst—What Is the Exact Role of Topology on Catalysis and Is There a Special Binding Site for Catalysis?. <i>Chemistry - A European Journal</i> , 2011, 17, 5691-5698.	3.3	80
24	Dialkylamino-2,4-dihydroxybenzoic Acids as Easily Synthesized Analogues of Platensimycin and Platencin with Comparable Antibacterial Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3352-3357.	3.3	31
25	Differential radial capillary action of ligand assay for high-throughput detection of protein-metabolite interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15528-15533.	7.1	177
26	Paradigm shift in discovering next-generation anti-infective agents: targeting quorum sensing, c-di-GMP signaling and biofilm formation in bacteria with small molecules. <i>Future Medicinal Chemistry</i> , 2010, 2, 1005-1035.	2.3	131
27	Remote C ₁ H Functionalization: Using the Ni ₂ O Moiety as an Atom-Economical Tether to Obtain 1,5- and the Rare 1,7-C ₁ H Insertions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3964-3968.	13.8	27
28	Synthetic Analogs Tailor Native AI-2 Signaling Across Bacterial Species. <i>Journal of the American Chemical Society</i> , 2010, 132, 11141-11150.	13.7	66
29	Efforts towards the Identification of Simpler Platensimycin Analogues—The Total Synthesis of Oxazinidinyll Platensimycin. <i>Chemistry - A European Journal</i> , 2009, 15, 2747-2750.	3.3	44
30	Biological screening of a diverse set of AI-2 analogues in <i>Vibrio harveyi</i> suggests that receptors which are involved in synergistic agonism of AI-2 and analogues are promiscuous. <i>Chemical Communications</i> , 2009, , 7033.	4.1	45
31	A Computationally Designed Rh(I)-Catalyzed Two-Component [5+2+1] Cycloaddition of Ene-vinylcyclopropanes and CO for the Synthesis of Cyclooctenones. <i>Journal of the American Chemical Society</i> , 2007, 129, 10060-10061.	13.7	184