

Wei Shen Aik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9294958/publications.pdf>

Version: 2024-02-01

20
papers

1,156
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1872
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of human RNA <i>N</i> ⁶ -methyladenine demethylase ALKBH5 provides insights into its mechanisms of nucleic acid recognition and demethylation. <i>Nucleic Acids Research</i> , 2014, 42, 4741-4754.	14.5	162
2	5-Carboxy-8-hydroxyquinoline is a broad spectrum 2-oxoglutarate oxygenase inhibitor which causes iron translocation. <i>Chemical Science</i> , 2013, 4, 3110.	7.4	142
3	Structures of Human ALKBH5 Demethylase Reveal a Unique Binding Mode for Specific Single-stranded N ⁶ -Methyladenosine RNA Demethylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 17299-17311.	3.4	138
4	Structural Basis for Inhibition of the Fat Mass and Obesity Associated Protein (FTO). <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3680-3688.	6.4	128
5	Rhodanine hydrolysis leads to potent thioenolate mediated metallo- β -lactamase inhibition. <i>Nature Chemistry</i> , 2014, 6, 1084-1090.	13.6	110
6	Structure of an active human histone pre-mRNA 3' end processing machinery. <i>Science</i> , 2020, 367, 700-703.	12.6	76
7	Human oxygen sensing may have origins in prokaryotic elongation factor Tu prolyl-hydroxylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13331-13336.	7.1	60
8	Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. <i>ACS Central Science</i> , 2021, 7, 792-802.	11.3	59
9	Dynamic Combinatorial Mass Spectrometry Leads to Inhibitors of a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2173-2184.	6.4	49
10	Pharmacological Inhibition of FTO. <i>PLoS ONE</i> , 2015, 10, e0121829.	2.5	33
11	Structure of the Ribosomal Oxygenase OGFOD1 Provides Insights into the Regio- and Stereoselectivity of Prolyl Hydroxylases. <i>Structure</i> , 2015, 23, 639-652.	3.3	32
12	Introduction to Structural Studies on 2-Oxoglutarate-Dependent Oxygenases and Related Enzymes. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2015, , 59-94.	0.8	30
13	Mechanisms of substrate recognition and <i>N</i> ⁶ -methyladenosine demethylation revealed by crystal structures of ALKBH5-RNA complexes. <i>Nucleic Acids Research</i> , 2022, 50, 4148-4160.	14.5	26
14	Solid-phase fluorescent BODIPY-peptide synthesis <i>via in situ</i> dipyrin construction. <i>Chemical Science</i> , 2020, 11, 11266-11273.	7.4	22
15	Studies with recombinant U7 snRNP demonstrate that CPSF73 is both an endonuclease and a 3' exonuclease. <i>Rna</i> , 2020, 26, 1345-1359.	3.5	20
16	Composition and processing activity of a semi-recombinant holo U7 snRNP. <i>Nucleic Acids Research</i> , 2020, 48, 1508-1530.	14.5	13
17	The N-terminal domains of FLASH and Lsm11 form a 2:1 heterotrimer for histone pre-mRNA 3' end processing. <i>PLoS ONE</i> , 2017, 12, e0186034.	2.5	12
18	The potential of 2-oxoglutarate oxygenases acting on nucleic acids as therapeutic targets. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2012, 9, e91-e100.	0.5	9

#	ARTICLE	IF	CITATIONS
19	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. Journal of Medicinal Chemistry, 2021, 64, 16609-16625.	6.4	9
20	Reconstitution and biochemical assays of an active human histone pre-mRNA 3' end processing machinery. Methods in Enzymology, 2021, 655, 291-324.	1.0	7