

# Wei Shen Aik

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,156  
citations

567144

15  
h-index

752573

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of substrate recognition and <i>N</i> <sup>6</sup> -methyladenosine demethylation revealed by crystal structures of ALKBH5-RNA complexes. <i>Nucleic Acids Research</i> , 2022, 50, 4148-4160.	6.5	26
2	Reconstitution and biochemical assays of an active human histone pre-mRNA 3'-end processing machinery. <i>Methods in Enzymology</i> , 2021, 655, 291-324.	0.4	7
3	Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. <i>ACS Central Science</i> , 2021, 7, 792-802.	5.3	59
4	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16609-16625.	2.9	9
5	Composition and processing activity of a semi-recombinant holo U7 snRNP. <i>Nucleic Acids Research</i> , 2020, 48, 1508-1530.	6.5	13
6	Solid-phase fluorescent BODIPY-peptide synthesis <i>in situ</i> dipyrin construction. <i>Chemical Science</i> , 2020, 11, 11266-11273.	3.7	22
7	Studies with recombinant U7 snRNP demonstrate that CPSF73 is both an endonuclease and a 5'-3' exonuclease. <i>Rna</i> , 2020, 26, 1345-1359.	1.6	20
8	Structure of an active human histone pre-mRNA 3'-end processing machinery. <i>Science</i> , 2020, 367, 700-703.	6.0	76
9	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.	1.1	12
10	Structure of the Ribosomal Oxygenase OGFOD1 Provides Insights into the Regio- and Stereoselectivity of Prolyl Hydroxylases. <i>Structure</i> , 2015, 23, 639-652.	1.6	32
11	Introduction to Structural Studies on 2-Oxoglutarate-Dependent Oxygenases and Related Enzymes. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2015, , 59-94.	0.8	30
12	Pharmacological Inhibition of FTO. <i>PLoS ONE</i> , 2015, 10, e0121829.	1.1	33
13	Structure of human RNA <i>N</i> <sup>6</sup> -methyladenine demethylase ALKBH5 provides insights into its mechanisms of nucleic acid recognition and demethylation. <i>Nucleic Acids Research</i> , 2014, 42, 4741-4754.	6.5	162
14	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.	3.3	60
15	Rhodanine hydrolysis leads to potent thioenolate mediated metallo- $\beta$ -lactamase inhibition. <i>Nature Chemistry</i> , 2014, 6, 1084-1090.	6.6	110
16	Structures of Human ALKBH5 Demethylase Reveal a Unique Binding Mode for Specific Single-stranded N <sup>6</sup> -Methyladenosine RNA Demethylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 17299-17311.	1.6	138
17	5-Carboxy-8-hydroxyquinoline is a broad spectrum 2-oxoglutarate oxygenase inhibitor which causes iron translocation. <i>Chemical Science</i> , 2013, 4, 3110.	3.7	142
18	Structural Basis for Inhibition of the Fat Mass and Obesity Associated Protein (FTO). <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3680-3688.	2.9	128

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19	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
20	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.	2.9	49