

David S Waugh

List of Publications by Year in descending order

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17
papers

1,926
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2830
citing authors

#	ARTICLE	IF	CITATIONS
1	Tobacco etch virus protease: mechanism of autolysis and rational design of stable mutants with wild-type catalytic proficiency. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 993-1000.	2.1	729
2	Crystallographic and Modeling Studies of RNase III Suggest a Mechanism for Double-Stranded RNA Cleavage. <i>Structure</i> , 2001, 9, 1225-1236.	3.3	219
3	Structural Insight into the Mechanism of Double-Stranded RNA Processing by Ribonuclease III. <i>Cell</i> , 2006, 124, 355-366.	28.9	212
4	Gateway vectors for the production of combinatorially-tagged His6-MBP fusion proteins in the cytoplasm and periplasm of <i>Escherichia coli</i> . <i>Protein Science</i> , 2005, 14, 2964-2971.	7.6	148
5	RNase III: Genetics and Function; Structure and Mechanism. <i>Annual Review of Genetics</i> , 2013, 47, 405-431.	7.6	135
6	Noncatalytic Assembly of Ribonuclease III with Double-Stranded RNA. <i>Structure</i> , 2004, 12, 457-466.	3.3	118
7	A stepwise model for double-stranded RNA processing by ribonuclease III. <i>Molecular Microbiology</i> , 2008, 67, 143-154.	2.5	104
8	Removal of Affinity Tags with TEV Protease. <i>Methods in Molecular Biology</i> , 2017, 1586, 221-230.	0.9	65
9	Intermediate States of Ribonuclease III in Complex with Double-Stranded RNA. <i>Structure</i> , 2005, 13, 1435-1442.	3.3	50
10	Positional effects of fusion partners on the yield and solubility of MBP fusion proteins. <i>Protein Expression and Purification</i> , 2015, 110, 159-164.	1.3	34
11	Identification of a ligand binding hot spot and structural motifs replicating aspects of tyrosyl-DNA phosphodiesterase I (TDP1) phosphoryl recognition by crystallographic fragment cocktail screening. <i>Nucleic Acids Research</i> , 2019, 47, 10134-10150.	14.5	27
12	Insights Into the Allosteric Inhibition of the SUMO E2 Enzyme Ubc9. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5703-5707.	13.8	20
13	A Small-Molecule Microarray Approach for the Identification of E2 Enzyme Inhibitors in Ubiquitin-Like Conjugation Pathways. <i>SLAS Discovery</i> , 2017, 22, 760-766.	2.7	19
14	A dual protease approach for expression and affinity purification of recombinant proteins. <i>Analytical Biochemistry</i> , 2016, 504, 30-37.	2.4	18
15	Small molecule microarray identifies inhibitors of tyrosyl-DNA phosphodiesterase 1 that simultaneously access the catalytic pocket and two substrate binding sites. <i>Chemical Science</i> , 2021, 12, 3876-3884.	7.4	18
16	The molecular mechanism of dsRNA processing by a bacterial Dicer. <i>Nucleic Acids Research</i> , 2019, 47, 4707-4720.	14.5	9
17	Insights Into the Allosteric Inhibition of the SUMO E2 Enzyme Ubc9. <i>Angewandte Chemie</i> , 2016, 128, 5797-5801.	2.0	1