

Kevin D Whitley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2260064/publications.pdf>

Version: 2024-02-01

10
papers

358
citations

1163117

8
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of structure-function relationship in a nucleic acid-processing enzyme. <i>Science</i> , 2015, 348, 352-354.	12.6	161
2	FtsZ treadmilling is essential for Z-ring condensation and septal constriction initiation in <i>Bacillus subtilis</i> cell division. <i>Nature Communications</i> , 2021, 12, 2448.	12.8	53
3	High-Resolution "Fleezers" Dual-Trap Optical Tweezers Combined with Single-Molecule Fluorescence Detection. <i>Methods in Molecular Biology</i> , 2017, 1486, 183-256.	0.9	37
4	Elasticity of the transition state for oligonucleotide hybridization. <i>Nucleic Acids Research</i> , 2017, 45, 547-555.	14.5	29
5	Regulation of Rep helicase unwinding by an auto-inhibitory subdomain. <i>Nucleic Acids Research</i> , 2019, 47, 2523-2532.	14.5	24
6	Free-energy simulations reveal molecular mechanism for functional switch of a DNA helicase. <i>ELife</i> , 2018, 7, .	6.0	15
7	Ultrashort Nucleic Acid Duplexes Exhibit Long Wormlike Chain Behavior with Force-Dependent Edge Effects. <i>Physical Review Letters</i> , 2018, 120, 068102.	7.8	12
8	Kinetic and structural mechanism for DNA unwinding by a non-hexameric helicase. <i>Nature Communications</i> , 2021, 12, 7015.	12.8	10
9	High-resolution imaging of bacterial spatial organization with vertical cell imaging by nanostructured immobilization (VerCINI). <i>Nature Protocols</i> , 2022, 17, 847-869.	12.0	8
10	Tyrosine triad at the interface between the Rieske iron-sulfur protein, cytochrome c1 and cytochrome c2 in the bc1 complex of <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 811-818.	1.0	3