

Michael R Wasserman

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,517
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

4125
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical forces during collective cell migration. <i>Nature Physics</i> , 2009, 5, 426-430.	16.7	989
2	Ultra-stable organic fluorophores for single-molecule research. <i>Chemical Society Reviews</i> , 2014, 43, 1044-1056.	38.1	323
3	Single-molecule imaging of non-equilibrium molecular ensembles on the millisecond timescale. <i>Nature Methods</i> , 2016, 13, 341-344.	19.0	205
4	High-resolution structure of the Escherichia coli ribosome. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 336-341.	8.2	203
5	Allosteric control of the ribosome by small-molecule antibiotics. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 957-963.	8.2	134
6	The bright future of single-molecule fluorescence imaging. <i>Current Opinion in Chemical Biology</i> , 2014, 20, 103-111.	6.1	112
7	Multiperspective smFRET reveals rate-determining late intermediates of ribosomal translocation. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 333-341.	8.2	110
8	Replication Fork Activation Is Enabled by a Single-Stranded DNA Gate in CMG Helicase. <i>Cell</i> , 2019, 178, 600-611.e16.	28.9	109
9	Correlated conformational events in EF-G and the ribosome regulate translocation. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1470-1477.	8.2	89
10	Mechanosensing of substrate thickness. <i>Physical Review E</i> , 2010, 82, 041918.	2.1	58
11	Chemically related 4,5-linked aminoglycoside antibiotics drive subunit rotation in opposite directions. <i>Nature Communications</i> , 2015, 6, 7896.	12.8	58
12	Dynamics of Cas10 Govern Discrimination between Self and Non-self in Type III CRISPR-Cas Immunity. <i>Molecular Cell</i> , 2019, 73, 278-290.e4.	9.7	58
13	Characterization of the kinetic cycle of an ABC transporter by single-molecule and cryo-EM analyses. <i>ELife</i> , 2020, 9, .	6.0	52
14	A Tour de Force on the Double Helix: Exploiting DNA Mechanics To Study DNA-Based Molecular Machines. <i>Biochemistry</i> , 2019, 58, 4667-4676.	2.5	9
15	Mechanistic insights into antibiotic action on the ribosome through single-molecule fluorescence imaging. <i>Annals of the New York Academy of Sciences</i> , 2011, 1241, E1-16.	3.8	7