Masayuki Takahashi

List of Publications by Year
in descending order

13	337	1040056 9	1125743 13
papers	citations	h-index	g-index

14	14	14	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A conserved Ctp1/CtIP C-terminal peptide stimulates Mre11 endonuclease activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
2	Understanding Rad51 function is a prerequisite for progress in cancer research. QRB Discovery, 2020, 1, .	1.6	1
3	Two auxiliary factors promote Dmc1-driven DNA strand exchange via stepwise mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12062-12070.	7.1	15
4	Real-time tracking reveals catalytic roles for the two DNA binding sites of Rad51. Nature Communications, 2020, 11, 2950.	12.8	15
5	Cooperative interactions facilitate stimulation of Rad51 by the Swi5-Sfr1 auxiliary factor complex. ELife, 2020, 9, .	6.0	10
6	Hydrophobic catalysis and a potential biological role of DNA unstacking induced by environment effects. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17169-17174.	7.1	92
7	RecA requires two molecules of Mg2+ ions for its optimal strand exchange activity in vitro. Nucleic Acids Research, 2018, 46, 2548-2559.	14.5	12
8	Two three-strand intermediates are processed during Rad51-driven DNA strand exchange. Nature Structural and Molecular Biology, 2018, 25, 29-36.	8.2	34
9	RecA kinetically selects homologous DNA by testing a five- or six-nucleotide matching sequence and deforming the second DNA. Quarterly Reviews of Biophysics, 2018, 51, e11.	5.7	7
10	A stretched conformation of DNA with a biological role?. Quarterly Reviews of Biophysics, 2017, 50, e11.	5.7	17
11	Deforming DNA: From Physics to Biology. ChemPhysChem, 2009, 10, 1399-1404.	2.1	37
12	Geometry of the DNA strands within the RecA nucleofilament: role in homologous recombination. Quarterly Reviews of Biophysics, 2003, 36, 429-453.	5.7	42
13	Structural Properties of UMP-Kinase from Escherichia coli:â€‰ Modulation of Protein Solubility by pH and UTP. Biochemistry, 1996, 35, 7003-7011.	2.5	42