

# Marc Nadal

## List of Publications by Year in descending order

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27  
papers

1,029  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1189  
citing authors

#	ARTICLE	IF	CITATIONS
1	TRF2 and Apollo Cooperate with Topoisomerase 2 $\pm$ to Protect Human Telomeres from Replicative Damage. <i>Cell</i> , 2010, 142, 230-242.	28.9	155
2	Guanine glycation repair by DJ-1/Park7 and its bacterial homologs. <i>Science</i> , 2017, 357, 208-211.	12.6	154
3	Positively supercoiled DNA in a virus-like particle of an archaebacterium. <i>Nature</i> , 1986, 321, 256-258.	27.8	112
4	Dissection of DNA double-strand-break repair using novel single-molecule forceps. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 482-487.	8.2	79
5	RNA topoisomerase is prevalent in all domains of life and associates with polyribosomes in animals. <i>Nucleic Acids Research</i> , 2016, 44, 6335-6349.	14.5	63
6	Reverse gyrase of <i>Sulfolobus</i> : purification to homogeneity and characterization. <i>Biochemistry</i> , 1988, 27, 9102-9108.	2.5	50
7	Reverse Gyrase Recruitment to DNA after UV Light Irradiation in <i>Sulfolobus solfataricus</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 33192-33198.	3.4	46
8	TopA, the <i>Sulfolobus solfataricus</i> topoisomerase III, is a decatenase. <i>Nucleic Acids Research</i> , 2018, 46, 861-872.	14.5	39
9	Selective degradation of reverse gyrase and DNA fragmentation induced by alkylating agent in the archaeon <i>Sulfolobus solfataricus</i> . <i>Nucleic Acids Research</i> , 2006, 34, 2098-2108.	14.5	38
10	Reverse gyrase: An insight into the role of DNA-topoisomerases. <i>Biochimie</i> , 2007, 89, 447-455.	2.6	36
11	Reverse gyrase gene from <i>Sulfolobus shibatae</i> B12: gene structure, transcription unit and comparative sequence analysis of the two domains. <i>Nucleic Acids Research</i> , 1996, 24, 4668-4675.	14.5	29
12	Functional interaction of reverse gyrase with single-strand binding protein of the archaeon <i>Sulfolobus</i> . <i>Nucleic Acids Research</i> , 2005, 33, 564-576.	14.5	25
13	Type IA DNA Topoisomerases: A Universal Core and Multiple Activities. <i>Methods in Molecular Biology</i> , 2018, 1703, 1-20.	0.9	24
14	Mechanisms of DNA synthesis and topoisomerisation in archaebacteria " Reverse gyration in vitro and in vivo. <i>Systematic and Applied Microbiology</i> , 1986, 7, 67-71.	2.8	23
15	TopR2, the Second Reverse Gyrase of <i>Sulfolobus solfataricus</i> , Exhibits Unusual Properties. <i>Journal of Molecular Biology</i> , 2011, 408, 839-849.	4.2	23
16	Analysis of DNA cleavage by reverse gyrase from <i>Sulfolobus shibatae</i> B12. <i>FEBS Journal</i> , 1999, 260, 103-111.	0.2	21
17	A thermodynamic model of the cooperative interaction between the archaeal transcription factor Ss-LrpB and its tripartite operator DNA. <i>Gene</i> , 2013, 524, 330-340.	2.2	15
18	The reverse gyrase TopR1 is responsible for the homeostatic control of DNA supercoiling in the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Molecular Microbiology</i> , 2020, 113, 356-368.	2.5	14

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19	Synergic and Opposing Activities of Thermophilic RecQ-like Helicase and Topoisomerase 3 Proteins in Holliday Junction Processing and Replication Fork Stabilization. <i>Journal of Biological Chemistry</i> , 2012, 287, 30282-30295.	3.4	13
20	Transcriptional analysis of the two reverse gyrase encoding genes of <i>Sulfolobus solfataricus</i> P2 in relation to the growth phases and temperature conditions. <i>Extremophiles</i> , 2008, 12, 799-809.	2.3	12
21	Direct observation of helicase–topoisomerase coupling within reverse gyrase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10856-10864.	7.1	11
22	The trigger enzyme PepA (aminopeptidase A) of <i>Escherichia coli</i> , a transcriptional repressor that generates positive supercoiling. <i>FEBS Letters</i> , 2016, 590, 1816-1825.	2.8	10
23	Archaea: A Gold Mine for Topoisomerase Diversity. <i>Frontiers in Microbiology</i> , 2021, 12, 661411.	3.5	10
24	Hin-mediated Inversion on Positively Supercoiled DNA. <i>Journal of Biological Chemistry</i> , 1997, 272, 18434-18439.	3.4	9
25	Insight into the cellular involvement of the two reverse gyrases from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>BMC Molecular Biology</i> , 2014, 15, 18.	3.0	9
26	Analyzing Reverse Gyrase Activity. , 2001, 95, 35-50.		5
27	A specific proteomic response of <i>Sulfolobus solfataricus</i> P2 to gamma radiations. <i>Biochimie</i> , 2015, 118, 270-277.	2.6	4