

Fedor Kouzine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9900558/publications.pdf>

Version: 2024-02-01

18
papers

1,695
citations

687363

13
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1987
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription-dependent dynamic supercoiling is a short-range genomic force. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 396-403.	8.2	270
2	The functional response of upstream DNA to dynamic supercoiling in vivo. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 146-154.	8.2	266
3	RNA Polymerase II Regulates Topoisomerase 1 Activity to Favor Efficient Transcription. <i>Cell</i> , 2016, 165, 357-371.	28.9	211
4	Permanganate/S1 Nuclease Footprinting Reveals Non-B DNA Structures with Regulatory Potential across a Mammalian Genome. <i>Cell Systems</i> , 2017, 4, 344-356.e7.	6.2	169
5	The dynamic response of upstream DNA to transcription-generated torsional stress. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 1092-1100.	8.2	146
6	Global Regulation of Promoter Melting in Naive Lymphocytes. <i>Cell</i> , 2013, 153, 988-999.	28.9	145
7	Genome scale patterns of supercoiling in a bacterial chromosome. <i>Nature Communications</i> , 2016, 7, 11055.	12.8	106
8	Supercoil-driven DNA structures regulate genetic transactions. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 4409.	3.0	93
9	The importance of being supercoiled: How DNA mechanics regulate dynamic processes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 632-638.	1.9	83
10	DNA topology and transcription. <i>Nucleus</i> , 2014, 5, 195-202.	2.2	51
11	DNA Topoisomerases. <i>Transcription</i> , 2013, 4, 232-237.	3.1	43
12	MYC assembles and stimulates topoisomerases 1 and 2 in a "œtopoisome"• <i>Molecular Cell</i> , 2022, 82, 140-158.e12.	9.7	30
13	Controlling gene expression by DNA mechanics: emerging insights and challenges. <i>Biophysical Reviews</i> , 2016, 8, 259-268.	3.2	22
14	Mechanical determinants of chromatin topology and gene expression. <i>Nucleus</i> , 2022, 13, 95-116.	2.2	20
15	Topoisomerase 1 activity during mitotic transcription favors the transition from mitosis to G1. <i>Molecular Cell</i> , 2021, 81, 5007-5024.e9.	9.7	16
16	In Vivo Chemical Probing for G-Quadruplex Formation. <i>Methods in Molecular Biology</i> , 2019, 2035, 369-382.	0.9	12
17	Controlling gene expression by DNA mechanics: emerging insights and challenges. <i>Biophysical Reviews</i> , 2016, 8, 23-32.	3.2	7
18	The Texture of Chromatin. <i>Cell</i> , 2019, 179, 579-581.	28.9	5