

Marco Di Stefano

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

780
citations

686830

13
h-index

752256

20
g-index

35
all docs

35
docs citations

35
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial organization of chromosomes leads to heterogeneous chromatin motion and drives the liquid- or gel-like dynamical behavior of chromatin. <i>Genome Research</i> , 2022, 32, 28-43.	2.4	27
2	3DGenBench: a web-server to benchmark computational models for 3D Genomics. <i>Nucleic Acids Research</i> , 2022, 50, W4-W12.	6.5	10
3	4D nucleome modeling. <i>Current Opinion in Genetics and Development</i> , 2021, 67, 25-32.	1.5	34
4	3D reconstruction of genomic regions from sparse interaction data. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab017.	1.5	2
5	Modeling the 3D genome of plants. <i>Nucleus</i> , 2021, 12, 65-81.	0.6	4
6	Dynamics of genome architecture and chromatin function during human B cell differentiation and neoplastic transformation. <i>Nature Communications</i> , 2021, 12, 651.	5.8	67
7	essHi-C: essential component analysis of Hi-C matrices. <i>Bioinformatics</i> , 2021, 37, 2088-2094.	1.8	0
8	Polymer modelling unveils the roles of heterochromatin and nucleolar organizing regions in shaping 3D genome organization in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2021, 49, 1840-1858.	6.5	34
9	Three-dimensional genome organization via triplex-forming RNAs. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 945-954.	3.6	18
10	Active and repressed biosynthetic gene clusters have spatially distinct chromosome states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13800-13809.	3.3	66
11	Hierarchical chromatin organization detected by TADpole. <i>Nucleic Acids Research</i> , 2020, 48, e39-e39.	6.5	22
12	Impact of Chromosome Fusions on 3D Genome Organization and Gene Expression in Budding Yeast. <i>Genetics</i> , 2020, 214, 651-667.	1.2	9
13	Transcriptional activation during cell reprogramming correlates with the formation of 3D open chromatin hubs. <i>Nature Communications</i> , 2020, 11, 2564.	5.8	41
14	Topological Constraints in Eukaryotic Genomes and How They Can Be Exploited to Improve Spatial Models of Chromosomes. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 127.	1.6	11
15	Restraint-Based Modeling of Genomes and Genomic Domains. , 2019, , 233-252.		1
16	Electric-Field-Driven Trapping of Polyelectrolytes in Needle-like Backfolded States. <i>Macromolecules</i> , 2018, 51, 4462-4470.	2.2	7
17	Single-cell absolute contact probability detection reveals chromosomes are organized by multiple low-frequency yet specific interactions. <i>Nature Communications</i> , 2017, 8, 1753.	5.8	137
18	The elusive quest for RNA knots. <i>RNA Biology</i> , 2016, 13, 134-139.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Hi-C-constrained physical models of human chromosomes recover functionally-related properties of genome organization. <i>Scientific Reports</i> , 2016, 6, 35985.	1.6	72
20	Young Researcher Meeting, L'Aquila 2015. <i>Journal of Physics: Conference Series</i> , 2016, 689, 011001.	0.3	0
21	Absence of knots in known RNA structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2052-2057.	3.3	31
22	Restraint-based three-dimensional modeling of genomes and genomic domains. <i>FEBS Letters</i> , 2015, 589, 2987-2995.	1.3	93
23	Young Researcher Meeting, Trieste 2014. <i>Journal of Physics: Conference Series</i> , 2014, 566, 011001.	0.3	0
24	Driving knots on DNA with AC/DC electric fields: topological friction and memory effects. <i>Soft Matter</i> , 2014, 10, 6491-6498.	1.2	33
25	Colocalization of Coregulated Genes: A Steered Molecular Dynamics Study of Human Chromosome 19. <i>PLoS Computational Biology</i> , 2013, 9, e1003019.	1.5	47