

Muhammad Saad Shamim

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

7,875
citations

623574

14
h-index

996849

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27
all docs

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docs citations

27
times ranked

10093
citing authors

#	ARTICLE	IF	CITATIONS
1	Juicer Provides a One-Click System for Analyzing Loop-Resolution Hi-C Experiments. <i>Cell Systems</i> , 2016, 3, 95-98.	2.9	2,057
2	De novo assembly of the <i>Aedes aegypti</i> genome using Hi-C yields chromosome-length scaffolds. <i>Science</i> , 2017, 356, 92-95.	6.0	1,513
3	Cohesin Loss Eliminates All Loop Domains. <i>Cell</i> , 2017, 171, 305-320.e24.	13.5	1,454
4	Juicebox Provides a Visualization System for Hi-C Contact Maps with Unlimited Zoom. <i>Cell Systems</i> , 2016, 3, 99-101.	2.9	1,199
5	The Energetics and Physiological Impact of Cohesin Extrusion. <i>Cell</i> , 2018, 173, 1165-1178.e20.	13.5	399
6	Static and Dynamic DNA Loops form AP-1-Bound Activation Hubs during Macrophage Development. <i>Molecular Cell</i> , 2017, 67, 1037-1048.e6.	4.5	242
7	Deletion of <i>DXZ4</i> on the human inactive X chromosome alters higher-order genome architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4504-12.	3.3	239
8	Genetic determinants of co-accessible chromatin regions in activated T cells across humans. <i>Nature Genetics</i> , 2018, 50, 1140-1150.	9.4	139
9	The fundamental role of chromatin loop extrusion in physiological V(D)J recombination. <i>Nature</i> , 2019, 573, 600-604.	13.7	126
10	Large DNA Methylation Nadirs Anchor Chromatin Loops Maintaining Hematopoietic Stem Cell Identity. <i>Molecular Cell</i> , 2020, 78, 506-521.e6.	4.5	72
11	Multiomic Profiling Identifies cis-Regulatory Networks Underlying Human Pancreatic β^2 Cell Identity and Function. <i>Cell Reports</i> , 2019, 26, 788-801.e6.	2.9	68
12	CTCF loss has limited effects on global genome architecture in <i>Drosophila</i> despite critical regulatory functions. <i>Nature Communications</i> , 2021, 12, 1011.	5.8	60
13	Hybrid de novo genome assembly and centromere characterization of the gray mouse lemur (<i>Microcebus murinus</i>). <i>BMC Biology</i> , 2017, 15, 110.	1.7	53
14	MCPH1 inhibits Condensin II during interphase by regulating its SMC2-Kleisin interface. <i>ELife</i> , 2021, 10, .	2.8	21
15	A comprehensive mathematical framework for modeling intestinal smooth muscle cell contraction with applications to intestinal edema. <i>Mathematical Biosciences</i> , 2015, 262, 206-213.	0.9	3
16	High Order Chromatin Structure Regulates Gene Expression in Hematopoietic Stem Cell Self-Renewal and Erythroid Differentiation. <i>Blood</i> , 2016, 128, 1033-1033.	0.6	0
17	Crispr Engineering in CD34+ Progenitors Reveals Cis-Acting Regulatory Regions Mediating 3D Interactions and Stem Cell Fate Decisions. <i>Blood</i> , 2016, 128, 1466-1466.	0.6	0
18	Large DNA Methylation Canyons Anchor Chromatin Loops Maintaining Hematopoietic Stem Cell Identity. <i>Blood</i> , 2018, 132, 534-534.	0.6	0