Matjaz Barboric

List of Publications by Year
in descending order

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Version: 2024-02-01

24 papers	2,077 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	2359 citing authors

#	Article	IF	Citations
1	NF-ÎºB Binds P-TEFb to Stimulate Transcriptional Elongation by RNA Polymerase II. Molecular Cell, 2001, 8, 327-337.	9.7	399
2	HMBA Releases P-TEFb from HEXIM1 and 7SK snRNA via PI3K/Akt and Activates HIV Transcription. PLoS Pathogens, 2007, 3, e146.	4.7	182
3	Tat competes with HEXIM1 to increase the active pool of P-TEFb for HIV-1 transcription. Nucleic Acids Research, 2007, 35, 2003-2012.	14.5	162
4	7SK snRNP/P-TEFb couples transcription elongation with alternative splicing and is essential for vertebrate development. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7798-7803.	7.1	146
5	Tat Transactivation: A Model for the Regulation of Eukaryotic Transcriptional Elongation. Virology, 1999, 264, 245-253.	2.4	119
6	Ovarian carcinoma CDK12 mutations misregulate expression of DNA repair genes via deficient formation and function of the Cdk12/CycK complex. Nucleic Acids Research, 2015, 43, 2575-2589.	14.5	107
7	A model of repression: CTD analogs and PIE-1 inhibit transcriptional elongation by P-TEFb. Genes and Development, 2003, 17, 748-758.	5.9	104
8	Identification of a Cyclin T-Binding Domain in Hexim1 and Biochemical Analysis of Its Binding Competition with HIV-1 Tat. Journal of Biological Chemistry, 2005, 280, 24968-24977.	3.4	104
9	Cracking the control of RNA polymerase II elongation by 7SK snRNP and P-TEFb. Nucleic Acids Research, 2016, 44, 7527-7539.	14.5	104
10	Interplay between 7SK snRNA and oppositely charged regions in HEXIM1 direct the inhibition of P-TEFb. EMBO Journal, 2005, 24, 4291-4303.	7.8	93
11	A New Paradigm in Eukaryotic Biology: HIV Tat and the Control of Transcriptional Elongation. PLoS Biology, 2005, 3, e76.	5.6	84
12	P-TEFb Activation by RBM7 Shapes a Pro-survival Transcriptional Response to Genotoxic Stress. Molecular Cell, 2019, 74, 254-267.e10.	9.7	73
13	Cap-binding Protein Complex Links Pre-mRNA Capping to Transcription Elongation and Alternative Splicing through Positive Transcription Elongation Factor b (P-TEFb). Journal of Biological Chemistry, 2011, 286, 22758-22768.	3.4	64
14	Oligomerization of HEXIM1 via 7SK snRNA and coiled-coil region directs the inhibition of P-TEFb. Nucleic Acids Research, 2005, 33, 7000-7010.	14.5	61
15	Structure of the Cyclin T binding domain of Hexim1 and molecular basis for its recognition of P-TEFb. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14312-14317.	7.1	55
16	P-TEFb stimulates transcription elongation and pre-mRNA splicing through multilateral mechanisms. RNA Biology, 2010, 7, 145-150.	3.1	51
17	PKC phosphorylates HEXIM1 and regulates P-TEFb activity. Nucleic Acids Research, 2012, 40, 9160-9170.	14.5	43
18	Influenza virus NS1 protein binds cellular DNA to block transcription of antiviral genes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1440-1448.	1.9	29

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19	Binding of Tat to TAR and Recruitment of Positive Transcription Elongation Factor b Occur Independently in Bovine Immunodeficiency Virus. Journal of Virology, 2000, 74, 6039-6044.	3.4	25
20	Ubiquitylation of Cdk9 by Skp2 Facilitates Optimal Tat Transactivation. Journal of Virology, 2005, 79, 11135-11141.	3.4	24
21	Kick-sTARting HIV-1 transcription elongation by 7SK snRNP deporTATion. Nature Structural and Molecular Biology, 2010, 17, 928-930.	8.2	23
22	Mutual relationships between transcription and preâ€mRNA processing in the synthesis of mRNA. Wiley Interdisciplinary Reviews RNA, 2013, 4, 139-154.	6.4	11
23	The two sides of Tat. ELife, 2016, 5, e12686.	6.0	7
24	The Interlocking Lives of LARP7: Fine-Tuning Transcription, RNA Modification, and Splicing through Multiple Non-coding RNAs. Molecular Cell, 2020, 78, 5-8.	9.7	6