Vlad Cojocaru

List of Publications by Year in descending order

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Version: 2024-02-01

31 papers	1,728 citations	331670 21 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	2478 citing authors

#	Article	IF	Citations
1	Breaths, Twists, and Turns of Atomistic Nucleosomes. Journal of Molecular Biology, 2021, 433, 166744.	4.2	19
2	Histone tails cooperate to control the breathing of genomic nucleosomes. PLoS Computational Biology, 2021, 17, e1009013.	3.2	21
3	Cancerâ€associated missense mutations enhance the pluripotency reprogramming activity of OCT4 and SOX17. FEBS Journal, 2020, 287, 122-144.	4.7	11
4	Nucleosomal DNA Dynamics Mediate Oct4 Pioneer Factor Binding. Biophysical Journal, 2020, 118, 2280-2296.	0.5	39
5	Chromatosome Structure and Dynamics from Molecular Simulations. Annual Review of Physical Chemistry, 2020, 71, 101-119.	10.8	23
6	ArhGEF37 assists Dynamin2 during Clathrin-mediated endocytosis. Journal of Cell Science, 2019, 132, .	2.0	6
7	DNA-mediated dimerization on a compact sequence signature controls enhancer engagement and regulation by FOXA1. Nucleic Acids Research, 2018, 46, 5470-5486.	14.5	18
8	Dependence of Chromatosome Structure on Linker Histone Sequence and Posttranslational Modification. Biophysical Journal, 2018, 114, 2363-2375.	0.5	31
9	Toward an Ensemble View of Chromatosome Structure: A Paradigm Shift from One to Many. Structure, 2018, 26, 1050-1057.	3.3	31
10	Changing <scp>POU</scp> dimerization preferences converts Oct6 into a pluripotency inducer. EMBO Reports, 2017, 18, 319-333.	4.5	42
11	Coop-Seq Analysis Demonstrates that Sox2 Evokes Latent Specificities in the DNA Recognition by Pax6. Journal of Molecular Biology, 2017, 429, 3626-3634.	4.2	4
12	Conformational selection and dynamic adaptation upon linker histone binding to the nucleosome. Nucleic Acids Research, 2016, 44, 6599-6613.	14.5	40
13	Ligand tunnels in T. brucei and human CYP51: Insights for parasite-specific drug design. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 67-78.	2.4	21
14	Dissecting the role of distinct OCT4-SOX2 heterodimer configurations in pluripotency. Scientific Reports, 2015, 5, 13533.	3.3	58
15	Cooperative DNA Recognition Modulated by an Interplay between Protein-Protein Interactions and DNA-Mediated Allostery. PLoS Computational Biology, 2015, 11, e1004287.	3.2	23
16	Dynamics of CYP51: implications for function and inhibitor design. Journal of Molecular Recognition, 2015, 28, 59-73.	2.1	28
17	DNA-mediated cooperativity facilitates the co-selection of cryptic enhancer sequences by SOX2 and PAX6 transcription factors. Nucleic Acids Research, 2015, 43, 1513-1528.	14.5	37
18	OCT4: Dynamic DNA binding pioneers stem cell pluripotency. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 138-154.	1.9	123

#	Article	IF	Citations
19	Structural Basis for the SOX-Dependent Genomic Redistribution of OCT4 in Stem Cell Differentiation. Structure, 2014, 22, 1274-1286.	3.3	46
20	Regulation of the Activity of Lactate Dehydrogenases from Four Lactic Acid Bacteria. Journal of Biological Chemistry, 2013, 288, 21295-21306.	3.4	47
21	A unique Oct4 interface is crucial for reprogramming to pluripotency. Nature Cell Biology, 2013, 15, 295-301.	10.3	135
22	Conformational diversity and ligand tunnels of mammalian cytochrome <scp>P</scp>450s. Biotechnology and Applied Biochemistry, 2013, 60, 134-145.	3.1	63
23	Organism-Adapted Specificity of the Allosteric Regulation of Pyruvate Kinase in Lactic Acid Bacteria. PLoS Computational Biology, 2013, 9, e1003159.	3.2	14
24	Multiple, Ligand-dependent Routes from the Active Site of Cytochrome P450 2C9. Current Drug Metabolism, 2012, 13, 143-154.	1.2	32
25	Reprogramming to pluripotency is an ancient trait of vertebrate Oct4 and Pou2 proteins. Nature Communications, 2012, 3, 1279.	12.8	64
26	Structure and Dynamics of the Membrane-Bound Cytochrome P450 2C9. PLoS Computational Biology, 2011, 7, e1002152.	3.2	134
27	Control of Dead end localization and activity â€“ Implications for the function of the protein in antagonizing miRNA function. Mechanisms of Development, 2009, 126, 270-277.	1.7	50
28	The ins and outs of cytochrome P450s. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 390-401.	2.4	311
29	Loss of G-A base pairs is insufficient for achieving a large opening of U4 snRNA K-turn motif. Nucleic Acids Research, 2005, 33, 3435-3446.	14.5	27
30	The snRNP 15.5K protein folds its cognate K-turn RNA: A combined theoretical and biochemical study. Rna, 2005, 11, 197-209.	3.5	38
31	Primordial germ cell migration in the chick and mouse embryo: the role of the chemokine SDF-1/CXCL12. Developmental Biology, 2004, 272, 351-361.	2.0	191