

Ivan BarvÃ-k

List of Publications by Year in descending order

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papers

418
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759233

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docs citations

33
times ranked

615
citing authors

#	ARTICLE	IF	CITATIONS
1	CapZyme-Seq Comprehensively Defines Promoter-Sequence Determinants for RNA 5â€² Capping with NAD ⁺ . <i>Molecular Cell</i> , 2018, 70, 553-564.e9.	9.7	64
2	Human and Mouse TRPA1 Are Heat and Cold Sensors Differentially Tuned by Voltage. <i>Cells</i> , 2020, 9, 57.	4.1	30
3	The torpedo effect in <i>Bacillus subtilis</i> : RNase J1 resolves stalled transcription complexes. <i>EMBO Journal</i> , 2020, 39, e102500.	7.8	27
4	Intracellular cavity of sensor domain controls allosteric gating of TRPA1 channel. <i>Science Signaling</i> , 2018, 11, .	3.6	25
5	Mycobacterial HelD is a nucleic acids-clearing factor for RNA polymerase. <i>Nature Communications</i> , 2020, 11, 6419.	12.8	22
6	Structural modeling and patch-clamp analysis of pain-related mutation TRPA1-N855S reveal inter-subunit salt bridges stabilizing the channel open state. <i>Neuropharmacology</i> , 2015, 93, 294-307.	4.1	20
7	Non-canonical transcription initiation: the expanding universe of transcription initiating substrates. <i>FEMS Microbiology Reviews</i> , 2016, 41, fuw041.	8.6	20
8	Influence of major-groove chemical modifications of DNA on transcription by bacterial RNA polymerases. <i>Nucleic Acids Research</i> , 2016, 44, 3000-3012.	14.5	19
9	The First Extracellular Linker Is Important for Several Aspects of the Gating Mechanism of Human TRPA1 Channel. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 16.	2.9	19
10	Title is missing!. <i>European Physical Journal D</i> , 2003, 53, 579-605.	0.4	15
11	Insights into the Mechanism of Action of Bactericidal Lipophosphonoxins. <i>PLoS ONE</i> , 2015, 10, e0145918.	2.5	15
12	Computer Simulation of the Exciton Transfer in the Coupled Ring Antenna Subunits of Bacteria Photosynthetic Systems. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10892-10909.	2.6	14
13	The Core and Holoenzyme Forms of RNA Polymerase from <i>Mycobacterium smegmatis</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	14
14	Proximal C-Terminus Serves as a Signaling Hub for TRPA1 Channel Regulation via Its Interacting Molecules and Supramolecular Complexes. <i>Frontiers in Physiology</i> , 2020, 11, 189.	2.8	14
15	Overlap of Promoter Recognition Specificity of Stress Response Sigma Factors SigD and SigH in <i>Corynebacterium glutamicum</i> ATCC 13032. <i>Frontiers in Microbiology</i> , 2018, 9, 3287.	3.5	13
16	Interplay of Exciton Transfer and Relaxation. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 647-656.	1.4	12
17	Cytoplasmic Inter-Subunit Interface Controls Use-Dependence of Thermal Activation of TRPV3 Channel. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3990.	4.1	10
18	Explicit Solvent Molecular Dynamics Simulation of Duplex Formed by the Modified Oligonucleotide with Alternating Phosphate/Phosphonate Internucleoside Linkages and its Natural Counterpart. <i>Journal of Biomolecular Structure and Dynamics</i> , 2002, 19, 863-875.	3.5	8

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19	Solution structure of domain 1.1 of the ĽfA factor from Bacillus subtilis is preformed for binding to the RNA polymerase core. Journal of Biological Chemistry, 2017, 292, 11610-11617.	3.4	7
20	Mapping of CaM, S100A1 and PIP2-Binding Epitopes in the Intracellular N- and C-Termini of TRPM4. International Journal of Molecular Sciences, 2020, 21, 4323.	4.1	6
21	The influence of coffee intake and genetics on adenosine pathway in rheumatoid arthritis. Pharmacogenomics, 2020, 21, 735-749.	1.3	6
22	Synthesis and cholinesterase inhibitory activity study of Amaryllidaceae alkaloid analogues with <i>N</i>-methyl substitution. Organic and Biomolecular Chemistry, 2022, 20, 3960-3966.	2.8	6
23	Genetic Predispositions of Glucocorticoid Resistance and Therapeutic Outcomes in Polymyalgia Rheumatica and Giant Cell Arteritis. Journal of Clinical Medicine, 2019, 8, 582.	2.4	5
24	Molecular dynamics simulations of the oligonucleotide with the modified phosphate/phosphonate internucleotide linkage. European Physical Journal D, 1998, 48, 409-415.	0.4	4
25	Coherence effects in the exciton transfer in LH2 unit. European Physical Journal D, 1998, 48, 423-434.	0.4	3
26	Fast Leaps between Millisecond Confinements Govern Ase1 Diffusion along Microtubules. Small Methods, 2021, 5, e2100370.	8.6	3
27	Tuning the hybridization properties of modified oligonucleotides: from flexible to conformationally constrained phosphonate internucleotide linkages. Organic and Biomolecular Chemistry, 2017, 15, 701-707.	2.8	2
28	Design and NMR characterization of reversible head-to-tail boronate-linked macrocyclic nucleic acids. Organic and Biomolecular Chemistry, 2022, 20, 2889-2895.	2.8	2
29	Computer Simulation of the Anisotropy of Fluorescence in Ring Molecular Systems: Influence of Disorder and Ellipticity. , 2009, , .		1
30	Title is missing!. European Physical Journal D, 1998, 48, 409-415.	0.4	0
31	Are haplotypes in a single methotrexate pathway more predictive for response in rheumatoid arthritis than in different pathways?. Pharmacogenomics, 2018, 19, 379-381.	1.3	0
32	Phospho-Mimetic Mutation at Ser602 Inactivates Human TRPA1 Channel. International Journal of Molecular Sciences, 2020, 21, 7995.	4.1	0