Pavel Srb

List of Publications by Year
in descending order

23 papers	345 citations	933447 10 h-index	888059 17 g-index
23 all docs	23 docs citations	23 times ranked	574 citing authors

#	Article	IF	Citations
1	Overlapping but distinct: a new model for G-quadruplex biochemical specificity. Nucleic Acids Research, 2021, 49, 1816-1827.	14.5	3
2	Enzyme catalysis prior to aromatic residues: Reverse engineering of a dephosphoâ€CoA kinase. Protein Science, 2021, 30, 1022-1034.	7.6	15
3	A ubiquitous disordered protein interaction module orchestrates transcription elongation. Science, 2021, 374, 1113-1121.	12.6	34
4	The redoxâ€active site of thioredoxin is directly involved in apoptosis signalâ€regulating kinase 1 binding that is modulated by oxidative stress. FEBS Journal, 2020, 287, 1626-1644.	4.7	15
5	Molecular Mechanism of LEDGF/p75 Dimerization. Structure, 2020, 28, 1288-1299.e7.	3.3	4
6	Rhomboid intramembrane protease YqgP licenses bacterial membrane protein quality control as adaptor of FtsH <scp>AAA</scp> protease. EMBO Journal, 2020, 39, e102935.	7.8	35
7	Negative charge of the AC-to-Hly linking segment modulates calcium-dependent membrane activities of Bordetella adenylate cyclase toxin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183310.	2.6	7
8	Structural Characterization of the Apoptosis Signalâ€regulating Kinase 1 (ASK1) Domain Responsible for Thioredoxin Binding and its Complex. FASEB Journal, 2020, 34, 1-1.	0.5	0
9	GTP-Dependent Formation of Multimeric G-Quadruplexes. ACS Chemical Biology, 2019, 14, 1951-1963.	3.4	8
10	Quantitative Conformational Analysis of Functionally Important Electrostatic Interactions in the Intrinsically Disordered Region of Delta Subunit of Bacterial RNA Polymerase. Journal of the American Chemical Society, 2019, 141, 16817-16828.	13.7	16
11	Capturing a dynamically interacting inhibitor by paramagnetic NMR spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 5661-5673.	2.8	21
12	Nuclear magnetic resonance investigation of water transport through the plasma membrane of various yeast species. FEMS Microbiology Letters, 2019, 366, .	1.8	3
13	Protein environment affects the waterâ€“tryptophan binding mode. MD, QM/MM, and NMR studies of engrailed homeodomain mutants. Physical Chemistry Chemical Physics, 2018, 20, 12664-12677.	2.8	3
14	Calcium Sensing by Recoverin: Effect of Protein Conformation on Ion Affinity. Journal of Physical Chemistry Letters, 2018, 9, 1613-1619.	4.6	14
15	Affinity switching of the LEDGF/p75 IBD interactome is governed by kinase-dependent phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7053-E7062.	7.1	27
16	Triple resonance 15N NMR relaxation experiments for studies of intrinsically disordered proteins. Journal of Biomolecular NMR, 2017, 69, 133-146.	2.8	11
17	Probing Receptor Specificity by Sampling the Conformational Space of the Insulin-like Growth Factor II C-domain. Journal of Biological Chemistry, 2016, 291, 21234-21245.	3.4	22
18	Spectral density mapping at multiple magnetic fields suitable for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:msup><mml:mtext>C</mml:mtext></mml:mrow></mml:math> NMR relaxation studies. Journal of Magnetic Resonance, 2016, 266, 23-40.	2.1	7

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19	X-ray vs. NMR structure of N-terminal domain of Î´-subunit of RNA polymerase. Journal of Structural Biology, 2014, 187, 174-186.	2.8	8
20	The Structure of Myristoylated Mason-Pfizer Monkey Virus Matrix Protein and the Role of Phosphatidylinositol-(4,5)-Bisphosphate in Its Membrane Binding. Journal of Molecular Biology, 2012, 423, 427-438.	4.2	36
21	Oligomerization of a Retroviral Matrix Protein Is Facilitated by Backbone Flexibility on Nanosecond Time Scale. Journal of Physical Chemistry B, 2011, 115, 2634-2644.	2.6	7
22	Nonmyristoylated Matrix Protein from the Masonâ€“Pfizer Monkey Virus Forms Oligomers. Journal of Molecular Biology, 2009, 390, 967-980.	4.2	10
23	D-retrovirus morphogenetic switch driven by the targeting signal accessibility to Tctex-1 of dynein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10565-10570.	7.1	39