

Alexander V Fonin

List of Publications by Year in descending order

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papers

645
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840585

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43
all docs

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docs citations

43
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence of Dyes in Solutions with High Absorbance. Inner Filter Effect Correction. <i>PLoS ONE</i> , 2014, 9, e103878.	1.1	182
2	Stochasticity of Biological Soft Matter: Emerging Concepts in Intrinsically Disordered Proteins and Biological Phase Separation. <i>Trends in Biochemical Sciences</i> , 2019, 44, 716-728.	3.7	94
3	Intrinsically disordered proteins in crowded milieu: when chaos prevails within the cellular gumbo. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3907-3929.	2.4	71
4	Multi-functionality of proteins involved in GPCR and G protein signaling: making sense of structureâ€“function continuum with intrinsic disorder-based proteoforms. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4461-4492.	2.4	47
5	Liquidâ€“liquid phase separation as an organizing principle of intracellular space: overview of the evolution of the cell compartmentalization concept. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 251.	2.4	42
6	The Role of Non-Specific Interactions in Canonical and ALT-Associated PML-Bodies Formation and Dynamics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5821.	1.8	17
7	Spectral characteristics of the mutant form GGBP/H152C of D-glucose/D-galactose-binding protein labeled with fluorescent dye BADAN: influence of external factors. <i>PeerJ</i> , 2014, 2, e275.	0.9	16
8	New Insight in Proteinâ€“Ligand Interactions. 2. Stability and Properties of Two Mutant Forms of the <i>d</i> -Galactose/ <i>d</i> -Glucose-Binding Protein from <i>E. coli</i> . <i>Journal of Physical Chemistry B</i> , 2011, 115, 9022-9032.	1.2	13
9	New Insight into Proteinâ€“Ligand Interactions. The Case of the <i>d</i> -Galactose/ <i>d</i> -Glucose-Binding Protein from <i>Escherichia coli</i> . <i>Journal of Physical Chemistry B</i> , 2011, 115, 2765-2773.	1.2	13
10	Synthesis, biological evaluation and molecular docking studies on the DNA and BSA binding interactions of palladium(II) and platinum(II) complexes featuring amides of tetrazol-1-yl- and tetrazol-5-ylacetic acids. <i>Polyhedron</i> , 2019, 158, 36-46.	1.0	12
11	Biocompatibility and bioactivity study of a cytostatic drug belonging to the group of alkylating agents of the triazine derivative class. <i>Journal of Molecular Liquids</i> , 2021, 343, 117630.	2.3	12
12	Structure and Conformational Properties of <i>d</i> -Glucose/ <i>d</i> -Galactose-Binding Protein in Crowded Milieu. <i>Molecules</i> , 2017, 22, 244.	1.7	11
13	Folding of poly-amino acids and intrinsically disordered proteins in overcrowded milieu induced by pH change. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 244-255.	3.6	11
14	Protein folding and stability in the presence of osmolytes. <i>Biophysics (Russian Federation)</i> , 2016, 61, 185-192.	0.2	10
15	The trehalose/maltose-binding protein as the sensitive element of a glucose biosensor. <i>Optical Materials</i> , 2014, 36, 1676-1679.	1.7	9
16	New Evidence of the Importance of Weak Interactions in the Formation of PML-Bodies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1613.	1.8	9
17	Near-Infrared Markers based on Bacterial Phytochromes with Phycocyanobilin as a Chromophore. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6067.	1.8	8
18	Folding perspectives of an intrinsically disordered transactivation domain and its single mutation breaking the folding propensity. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1359-1372.	3.6	7

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19	Photo-dependent membrane-less organelles formed from plant phyB and PIF6 proteins in mammalian cells. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 325-331.	3.6	7
20	Stress-Induced Membraneless Organelles in Eukaryotes and Prokaryotes: Bird's-Eye View. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5010.	1.8	7
21	Tryptophan Residue of the D-Galactose/D-Glucose-Binding Protein from <i>E. Coli</i> Localized in its Active Center Does not Contribute to the Change in Intrinsic Fluorescence Upon Glucose Binding. <i>Journal of Fluorescence</i> , 2015, 25, 87-94.	1.3	6
22	Synthesis, Structure, and Antiproliferative Activity of trans-Palladium(II) Complexes with Tetrazol-2-ylacetic Acid Derivatives. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2354-2358.	0.3	6
23	On the Role of Normal Aging Processes in the Onset and Pathogenesis of Diseases Associated with the Abnormal Accumulation of Protein Aggregates. <i>Biochemistry (Moscow)</i> , 2021, 86, 275-289.	0.7	6
24	Extreme dependence of <i>Chloroflexus aggregans</i> LOV domain thermo- and photostability on the bound flavin species. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1645-1656.	1.6	6
25	Structure and stability of D-galactose/D-glucose-binding protein. The role of D-glucose binding and Ca ion depletion. <i>Spectroscopy</i> , 2010, 24, 355-359.	0.8	4
26	Spectral properties of BADAN in solutions with different polarities. <i>Journal of Molecular Structure</i> , 2015, 1090, 107-111.	1.8	4
27	Interaction between linker histone H1 and non-histone chromatin protein HMGB1. <i>Spectroscopy</i> , 2010, 24, 165-168.	0.8	3
28	Ligand-Binding Proteins: Structure, Stability and Practical Application. , 0, ,		3
29	Photophysical Properties of BADAN Revealed in the Study of GGBP Structural Transitions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11113.	1.8	3
30	Protein-Ligand Interactions of the D-Galactose/D-Glucose-Binding Protein as a Potential Sensing Probe of Glucose Biosensors. <i>Spectroscopy</i> , 2012, 27, 373-379.	0.8	2
31	Osmolyte-Like Stabilizing Effects of Low GdnHCl Concentrations on d-Glucose/d-Galactose-Binding Protein. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2008.	1.8	2
32	Intrinsically Disordered Proteins PH-Induced Structural Transitions in Overcrowded Milieu. <i>Biophysical Journal</i> , 2018, 114, 591a.	0.2	1
33	Changes in the Functional Activity of Horseradish Peroxidase and Bovine Serum Albumin in Media with Different Isotope 2H/1H Compositions. <i>Biophysics (Russian Federation)</i> , 2020, 65, 195-201.	0.2	1
34	Interaction between non-histone chromatin protein HMGB1 and linker histone H1. <i>Cell and Tissue Biology</i> , 2011, 5, 120-122.	0.2	0
35	New Solution of Eliminating the Inner Filter Effect in Fluorescent Measurements. <i>Biophysical Journal</i> , 2013, 104, 345a.	0.2	0
36	High Molecular Mass Crowders Change the Folding Pathway of D-Glucose/D-Galactose-Binding Protein. <i>Biophysical Journal</i> , 2016, 110, 213a.	0.2	0

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37	The Role of Charge Interactions in Liquid-Liquid Phase Transitions. Biophysical Journal, 2019, 116, 195a.	0.2	0
38	Interaction of Benzothiazole Dye Thioflavin T with Acidic Protein Prothymosin Alpha. Biophysical Journal, 2020, 118, 372a-373a.	0.2	0
39	The Role of Polyampholyte Regions of Intrinsically Disordered Proteins in the Formation of Membraneless Organelles. Biophysical Journal, 2020, 118, 369a.	0.2	0
40	PML-Bodies as Open Dynamic System. Biophysical Journal, 2021, 120, 311a.	0.2	0
41	Phytochrome Photobodies in Mammalian Cells. Biophysical Journal, 2021, 120, 307a.	0.2	0