Olga V Stepanenko

List of Publications by Year
in descending order

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46	788	623734	526287
papers	citations	14 h-index	27 g-index

52	52	52	875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	sfGFP throws light on the early stages of Î²-barrel amyloidogenesis. International Journal of Biological Macromolecules, 2022, 215, 224-234.	7.5	5
2	Impact of Double Covalent Binding of BV in NIR FPs on Their Spectral and Physicochemical Properties. International Journal of Molecular Sciences, 2022, 23, 7347.	4.1	1
3	Photo-dependent membrane-less organelles formed from plant phyB and PIF6 proteins in mammalian cells. International Journal of Biological Macromolecules, 2021, 176, 325-331.	7.5	7
4	Trypsin Induced Degradation of Amyloid Fibrils. International Journal of Molecular Sciences, 2021, 22, 4828.	4.1	14
5	Interaction of Monomers in Near-Infrared Fluorescent Biomarkers. Cell and Tissue Biology, 2021, 15, 310-315.	0.4	0
6	New findings on GFP-like protein application as fluorescent tags: Fibrillogenesis, oligomerization, and amorphous aggregation. International Journal of Biological Macromolecules, 2021, 192, 1304-1310.	7.5	13
7	Photophysical Properties of BADAN Revealed in the Study of GGBP Structural Transitions. International Journal of Molecular Sciences, 2021, 22, 11113.	4.1	3
8	Alpha-B-Crystallin Effect on Mature Amyloid Fibrils: Different Degradation Mechanisms and Changes in Cytotoxicity. International Journal of Molecular Sciences, 2020, 21, 7659.	4.1	7
9	Probing the allostery in dimeric near-infrared biomarkers derived from the bacterial phytochromes: The impact of the T204A substitution on the inter-monomer interaction. International Journal of Biological Macromolecules, 2020, 162, 894-902.	7.5	2
10	Denaturant effect on amyloid fibrils: Declasterization, depolymerization, denaturation and reassembly. International Journal of Biological Macromolecules, 2020, 150, 681-694.	7.5	15
11	Near-Infrared Markers based on Bacterial Phytochromes with Phycocyanobilin as a Chromophore. International Journal of Molecular Sciences, 2019, 20, 6067.	4.1	8
12	Folding of poly-amino acids and intrinsically disordered proteins in overcrowded milieu induced by pH change. International Journal of Biological Macromolecules, 2019, 125, 244-255.	7.5	11
13	The unfolding of iRFP713 in a crowded milieu. PeerJ, 2019, 7, e6707.	2.0	1
14	The Pathways of the iRFP713 Unfolding Induced by Different Denaturants. International Journal of Molecular Sciences, 2018, 19, 2776.	4.1	3
15	Effects of low urea concentrations on protein-water interactions. Journal of Biomolecular Structure and Dynamics, 2017, 35, 207-218.	3.5	8
16	Stabilization of structure in near-infrared fluorescent proteins by binding of biliverdin chromophore. Journal of Molecular Structure, 2017, 1140, 22-31.	3.6	14
17	Interaction of Biliverdin Chromophore with Near-Infrared Fluorescent Protein BphP1-FP Engineered from Bacterial Phytochrome. International Journal of Molecular Sciences, 2017, 18, 1009.	4.1	11
18	Peculiarities of the Super-Folder GFP Folding in a Crowded Milieu. International Journal of Molecular Sciences, 2016, 17, 1805.	4.1	12

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19	Allosteric effects of chromophore interaction with dimeric near-infrared fluorescent proteins engineered from bacterial phytochromes. Scientific Reports, 2016, 6, 18750.	3.3	35
20	Protein unfolding in crowded milieu: what crowding can do to a protein undergoing unfolding?. Journal of Biomolecular Structure and Dynamics, 2016, 34, 2155-2170.	3.5	28
21	Structure and stability of recombinant bovine odorant-binding protein: II. Unfolding of the monomeric forms. PeerJ, 2016, 4, e1574.	2.0	2
22	Structure and stability of recombinant bovine odorant-binding protein: III. Peculiarities of the wild type bOBP unfolding in crowded milieu. PeerJ, 2016, 4, e1642.	2.0	5
23	Structure and stability of recombinant bovine odorant-binding protein: I. Design and analysis of monomeric mutants. PeerJ, 2016, 4, e1933.	2.0	4
24	Tryptophan Residue of the D-Galactose/D-Glucose-Binding Protein from E. Coli Localized in its Active Center Does not Contribute to the Change in Intrinsic Fluorescence Upon Glucose Binding. Journal of Fluorescence, 2015, 25, 87-94.	2.5	6
25	A knot in the protein structure â€“ probing the nearâ€infrared fluorescent protein i<scp>RFP</scp> designed from a bacterial phytochrome. FEBS Journal, 2014, 281, 2284-2298.	4.7	20
26	Effect of flavonoids on the phase separation in giant unilamellar vesicles formed from binary lipid mixtures. Chemistry and Physics of Lipids, 2014, 178, 77-83.	3.2	20
27	The Quaternary Structure of the Recombinant Bovine Odorant-Binding Protein Is Modulated by Chemical Denaturants. PLoS ONE, 2014, 9, e85169.	2.5	9
28	Sensitivity of Superfolder GFP to Ionic Agents. PLoS ONE, 2014, 9, e110750.	2.5	18
29	Spectral characteristics of the mutant form GGBP/H152C of D-glucose/D-galactose-binding protein labeled with fluorescent dye BADAN: influence of external factors. PeerJ, 2014, 2, e275.	2.0	16
30	Beta-Barrel Scaffold of Fluorescent Proteins. International Review of Cell and Molecular Biology, 2013, 302, 221-278.	3.2	75
31	Distinct Effects of Guanidine Thiocyanate on the Structure of Superfolder GFP. PLoS ONE, 2012, 7, e48809.	2.5	19
32	Protein-Ligand Interactions of the D-Galactose/D-Glucose-Binding Protein as a Potential Sensing Probe of Glucose Biosensors. Spectroscopy, 2012, 27, 373-379.	0.8	2
33	Structural Perturbation of Superfolder GFP in the Presence of Guanidine Thiocyanate. Spectroscopy, 2012, 27, 381-386.	0.8	1
34	New Insight in Proteinâ€“Ligand Interactions. 2. Stability and Properties of Two Mutant Forms of the <scp>d</scp>-Galactose/<scp>d</scp>-Glucose-Binding Protein from E. coli. Journal of Physical Chemistry B, 2011, 115, 9022-9032.	2.6	13
35	New Insight into Proteinâ^'Ligand Interactions. The Case of thed-Galactose/d-Glucose-Binding Protein fromEscherichia coli. Journal of Physical Chemistry B, 2011, 115, 2765-2773.	2.6	13
36	Modern fluorescent proteins: from chromophore formation to novel intracellular applications. BioTechniques, 2011, 51, 313-327.	1.8	137

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37	Interaction between non-histone chromatin protein HMGB1 and linker histone H1. Cell and Tissue Biology, 2011, 5, 120-122.	0.4	0
38	Structure and stability of D-galactose/D-glucose-binding protein. The role of D-glucose binding and Ca ion depletion. Spectroscopy, 2010, 24, 355-359.	0.8	4
39	Unfolding and Refolding of the Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine Induced by Guanidine Hydrochlorideâ€. Biochemistry, 2005, 44, 5625-5633.	2.5	27
40	Fluorescence Properties of Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine. Journal of Proteome Research, 2005, 4, 417-423.	3.7	15
41	Conformational Change of the Dimeric DsbC Molecule Induced by GdnHCl. A Study by Intrinsic Fluorescenceâ€. Biochemistry, 2004, 43, 5296-5303.	2.5	17
42	Highly UV-Absorbing Complex in Selenomethionine-Substituted Alcohol Dehydrogenase fromSulfolobussolfataricus. Journal of Proteome Research, 2004, 3, 613-620.	3.7	12
43	Expression of recombinant GFP-actin fusion protein in the methylotrophic yeast. FEMS Yeast Research, 2003, 3, 105-111.	2.3	11
44	The Place of Inactivated Actin and Its Kinetic Predecessor in Actin Foldingâ^'Unfolding. Biochemistry, 2002, 41, 13127-13132.	2.5	45
45	Unraveling multistate unfolding of rabbit muscle creatine kinase. BBA - Proteins and Proteomics, 2002, 1596, 138-155.	2.1	96
46	Ligand-Binding Proteins: Structure, Stability and Practical Application. , 0, , .		3