Irina Kuznetsova

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3993293/publications.pdf

Version: 2024-02-01

176	6,371	76196	79541
papers	citations	40 h-index	73 g-index

196	196	196	7034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	What Macromolecular Crowding Can Do to a Protein. International Journal of Molecular Sciences, 2014, 15, 23090-23140.	1.8	425
2	Thioflavin T as a Molecular Rotor: Fluorescent Properties of Thioflavin T in Solvents with Different Viscosity. Journal of Physical Chemistry B, 2008, 112, 15893-15902.	1.2	300
3	Computational Study of Thioflavin T Torsional Relaxation in the Excited State. Journal of Physical Chemistry A, 2007, 111, 4829-4835.	1.1	206
4	Intrinsically disordered proteins as crucial constituents of cellular aqueous two phase systems and coacervates. FEBS Letters, 2015, 589, 15-22.	1.3	203
5	Spectral Properties of Thioflavin T and Its Complexes with Amyloid Fibrils. Journal of Applied Spectroscopy, 2003, 70, 868-874.	0.3	199
6	Spectral Properties of Thioflavin T in Solvents with Different Dielectric Properties and in a Fibril-Incorporated Form. Journal of Proteome Research, 2007, 6, 1392-1401.	1.8	187
7	Fluorescence of Dyes in Solutions with High Absorbance. Inner Filter Effect Correction. PLoS ONE, 2014, 9, e103878.	1.1	182
8	The protein kingdom extended: Ordered and intrinsically disordered proteins, their folding, supramolecular complex formation, and aggregation. Progress in Biophysics and Molecular Biology, 2010, 102, 73-84.	1.4	181
9	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. ELife, 2017, 6, .	2.8	169
10	Beyond the Excluded Volume Effects: Mechanistic Complexity of the Crowded Milieu. Molecules, 2015, 20, 1377-1409.	1.7	157
11	Fluorescence Quantum Yield of Thioflavin T in Rigid Isotropic Solution and Incorporated into the Amyloid Fibrils. PLoS ONE, 2010, 5, e15385.	1.1	152
12	Modern fluorescent proteins: from chromophore formation to novel intracellular applications. BioTechniques, 2011, 51, 313-327.	0.8	137
13	Fluorescent Proteins as Biomarkers and Biosensors: Throwing Color Lights on Molecular and Cellular Processes. Current Protein and Peptide Science, 2008, 9, 338-369.	0.7	136
14	Use of the Phase Diagram Method to Analyze the Protein Unfolding-Refolding Reactions:Â Fishing Out the â€œInvisibleâ€•Intermediates. Journal of Proteome Research, 2004, 3, 485-494.	1.8	130
15	Partially Folded Conformations in the Folding Pathway of Bovine Carbonic Anhydrase II: A Fluorescence Spectroscopic Analysis. ChemBioChem, 2001, 2, 813.	1.3	121
16	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. Cell Reports, 2016, 16, 1874-1890.	2.9	116
17	Polarization-dependent optical 2D Fourier transform spectroscopy of semiconductors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14227-14232.	3.3	110
18	High Stability of Discosoma DsRed As Compared to Aequorea EGFP. Biochemistry, 2003, 42, 7879-7884.	1.2	108

#	Article	IF	Citations
19	Unraveling multistate unfolding of rabbit muscle creatine kinase. BBA - Proteins and Proteomics, 2002, 1596, 138-155.	2.1	96
20	Stochasticity of Biological Soft Matter: Emerging Concepts in Intrinsically Disordered Proteins and Biological Phase Separation. Trends in Biochemical Sciences, 2019, 44, 716-728.	3.7	94
21	Interaction of Thioflavin T with Amyloid Fibrils: Stoichiometry and Affinity of Dye Binding, Absorption Spectra of Bound Dye. Journal of Physical Chemistry B, 2011, 115, 11519-11524.	1.2	92
22	Comparative Studies on the Structure and Stability of Fluorescent Proteins EGFP, zFP506, mRFP1, â€œdimer2â€, and DsRed1â€. Biochemistry, 2004, 43, 14913-14923.	1.2	85
23	Interaction of Thioflavin T with Amyloid Fibrils: Fluorescence Quantum Yield of Bound Dye. Journal of Physical Chemistry B, 2012, 116, 2538-2544.	1.2	84
24	CirGO: an alternative circular way of visualising gene ontology terms. BMC Bioinformatics, 2019, 20, 84.	1.2	84
25	Differences in the Pathways of Proteins Unfolding Induced by Urea and Guanidine Hydrochloride: Molten Globule State and Aggregates. PLoS ONE, 2010, 5, e15035.	1.1	77
26	Beta-Barrel Scaffold of Fluorescent Proteins. International Review of Cell and Molecular Biology, 2013, 302, 221-278.	1.6	75
27	Reevaluation of ANS Binding to Human and Bovine Serum Albumins: Key Role of Equilibrium Microdialysis in Ligand â€“ Receptor Binding Characterization. PLoS ONE, 2012, 7, e40845.	1.1	71
28	Intrinsically disordered proteins in crowded milieu: when chaos prevails within the cellular gumbo. Cellular and Molecular Life Sciences, 2018, 75, 3907-3929.	2.4	71
29	Thioflavin T fluoresces as excimer in highly concentrated aqueous solutions and as monomer being incorporated in amyloid fibrils. Scientific Reports, 2017, 7, 2146.	1.6	66
30	Analyzing Thioflavin T Binding to Amyloid Fibrils by an Equilibrium Microdialysis-Based Technique. PLoS ONE, 2012, 7, e30724.	1.1	63
31	Concerted regulation of mitochondrial and nuclear nonâ€coding <scp>RNA</scp> s by a dualâ€targeted <scp>RN</scp> ase Z. EMBO Reports, 2018, 19, .	2.0	60
32	Intrinsic Fluorescence of Actin. Journal of Fluorescence, 2003, 13, 41-57.	1.3	57
33	A New Trend in the Experimental Methodology for the Analysis of the Thioflavin T Binding to Amyloid Fibrils. Molecular Neurobiology, 2012, 45, 488-498.	1.9	56
34	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. PLoS Biology, 2020, 18, e3000564.	2.6	53
35	PTCD1 Is Required for 16S rRNA Maturation Complex Stability and Mitochondrial Ribosome Assembly. Cell Reports, 2018, 23, 127-142.	2.9	51
36	Physico-chemical properties of actin cleaved with bacterial protease fromE. coliA2 strain. FEBS Letters, 1991, 279, 49-51.	1.3	50

#	Article	IF	Citations
37	Multi-functionality of proteins involved in GPCR and G protein signaling: making sense of structureâ€“function continuum with intrinsic disorder-based proteoforms. Cellular and Molecular Life Sciences, 2019, 76, 4461-4492.	2.4	47
38	Fidelity of translation initiation is required for coordinated respiratory complex assembly. Science Advances, 2019, 5, eaay2118.	4.7	47
39	Effect of the fluorescent probes ThT and ANS on the mature amyloid fibrils. Prion, 2020, 14, 67-75.	0.9	46
40	Effect of Self-Association on the Structural Organization of Partially Folded Proteins: Inactivated Actin. Biophysical Journal, 1999, 77, 2788-2800.	0.2	45
41	The Place of Inactivated Actin and Its Kinetic Predecessor in Actin Foldingâ^'Unfolding. Biochemistry, 2002, 41, 13127-13132.	1.2	45
42	Proteomic analysis of the 20S proteasome (PSMA3)-interacting proteins reveals a functional link between the proteasome and mRNA metabolism. Biochemical and Biophysical Research Communications, 2011, 416, 258-265.	1.0	45
43	Liquidâ€“liquid phase separation as an organizing principle of intracellular space: overview of the evolution of the cell compartmentalization concept. Cellular and Molecular Life Sciences, 2022, 79, 251.	2.4	42
44	The environment of the tryptophan residue in Pseudomonas aeruginosa azurin and its fluorescence properties. Biophysical Chemistry, 1985, 23, 79-89.	1.5	41
45	Contribution of separate tryptophan residues to intrinsic fluorescence of actin. Analysis of 3D structure. FEBS Letters, 1999, 452, 205-210.	1.3	39
46	Conformational changes in subdomain I of actin induced by proteolytic cleavage within the DNase I-binding loop: energy transfer from tryptophan to AEDANS. FEBS Letters, 1996, 383, 105-108.	1.3	37
47	Kinetics of Actin Unfolding Induced by Guanidine Hydrochlorideâ€. Biochemistry, 2002, 41, 1014-1019.	1.2	37
48	Changes of structure and intramolecular mobility in the course of actin denaturation. Biophysical Chemistry, 1988, 32, 73-78.	1.5	36
49	The Structure and Dynamics of Partially Folded Actinâ€. Biochemistry, 1999, 38, 6261-6269.	1.2	36
50	Simultaneous processing and degradation of mitochondrial RNAs revealed by circularized RNA sequencing. Nucleic Acids Research, 2017, 45, 5487-5500.	6.5	36
51	Adult-onset obesity is triggered by impaired mitochondrial gene expression. Science Advances, 2017, 3, e1700677.	4.7	36
52	Lung Cancer Risk from Plutonium: A Pooled Analysis of the Mayak and Sellafield Worker Cohorts. Radiation Research, 2017, 188, 725.	0.7	36
53	Investigation of Î±-Synuclein Amyloid Fibrils Using the Fluorescent Probe Thioflavin T. International Journal of Molecular Sciences, 2018, 19, 2486.	1.8	36
54	Allosteric effects of chromophore interaction with dimeric near-infrared fluorescent proteins engineered from bacterial phytochromes. Scientific Reports, 2016, 6, 18750.	1.6	35

#	Article	IF	Citations
55	Hydrophobic interactions and ionic networks play an important role in thermal stability and denaturation mechanism of the porcine odorantâ€binding protein. Proteins: Structure, Function and Bioinformatics, 2008, 71, 35-44.	1.5	32
56	High Fluorescence Anisotropy of Thioflavin T in Aqueous Solution Resulting from Its Molecular Rotor Nature. Analytical Chemistry, 2016, 88, 718-724.	3.2	32
57	Oncolytic influenza A virus expressing interleukin-15 decreases tumor growth inÂvivo. Surgery, 2017, 161, 735-746.	1.0	31
58	Protein unfolding in crowded milieu: what crowding can do to a protein undergoing unfolding?. Journal of Biomolecular Structure and Dynamics, 2016, 34, 2155-2170.	2.0	28
59	Unfolding and Refolding of the Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine Induced by Guanidine Hydrochlorideâ€. Biochemistry, 2005, 44, 5625-5633.	1.2	27
60	Stability and Dynamics of the Porcine Odorant-Binding Protein. Biochemistry, 2007, 46, 11120-11127.	1.2	27
61	Different conditions of fibrillogenesis cause polymorphism of lysozyme amyloid fibrils. Journal of Molecular Structure, 2017, 1140, 52-58.	1.8	27
62	Stoichiometry and Affinity of Thioflavin T Binding to Sup35p Amyloid Fibrils. PLoS ONE, 2016, 11, e0156314.	1.1	23
63	Two Novel Amyloid Proteins, RopA and RopB, from the Root Nodule Bacterium Rhizobium leguminosarum. Biomolecules, 2019, 9, 694.	1.8	23
64	Stress signaling and cellular proliferation reverse the effects of mitochondrial mistranslation. EMBO Journal, 2019, 38, e102155.	3.5	21
65	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.	2.2	20
66	Prionâ€associated proteins in yeast: comparative analysis of isogenic [PSI⁺] and [psi^{â^'}] strains. Yeast, 2009, 26, 611-631.	0.8	19
67	Establishment of a Chimeric, Replication-Deficient Influenza A Virus Vector by Modulation of Splicing Efficiency. Journal of Virology, 2011, 85, 2469-2473.	1.5	19
68	Distinct Effects of Guanidine Thiocyanate on the Structure of Superfolder GFP. PLoS ONE, 2012, 7, e48809.	1.1	19
69	Sensitivity of Superfolder GFP to Ionic Agents. PLoS ONE, 2014, 9, e110750.	1.1	18
70	Conformational Change of the Dimeric DsbC Molecule Induced by GdnHCl. A Study by Intrinsic Fluorescenceâ€. Biochemistry, 2004, 43, 5296-5303.	1.2	17
71	Structural Features of Amyloid Fibrils Formed from the Full-Length and Truncated Forms of Beta-2-Microglobulin Probed by Fluorescent Dye Thioflavin T. International Journal of Molecular Sciences, 2018, 19, 2762.	1.8	17
72	The Role of Non-Specific Interactions in Canonical and ALT-Associated PML-Bodies Formation and Dynamics. International Journal of Molecular Sciences, 2021, 22, 5821.	1.8	17

#	Article	IF	Citations
73	Structural Analogue of Thioflavin T, DMASEBT, as a Tool for Amyloid Fibrils Study. Analytical Chemistry, 2019, 91, 3131-3140.	3.2	16
74	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.	0.9	16
75	Fluorescence Properties of Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine. Journal of Proteome Research, 2005, 4, 417-423.	1.8	15
76	Understanding the role of Arg96 in structure and stability of green fluorescent protein. Proteins: Structure, Function and Bioinformatics, 2008, 73, 539-551.	1.5	15
77	Binding Stoichiometry and Affinity of Fluorescent Dyes to Proteins in Different Structural States. Methods in Molecular Biology, 2012, 895, 441-460.	0.4	15
78	Spectral Manifestations of Thioflavin T Aggregation. Journal of Applied Spectroscopy, 2015, 82, 33-39.	0.3	15
79	Denaturant effect on amyloid fibrils: Declasterization, depolymerization, denaturation and reassembly. International Journal of Biological Macromolecules, 2020, 150, 681-694.	3.6	15
80	Actinous enigma or enigmatic actin. Intrinsically Disordered Proteins, 2014, 2, e34500.	1.9	14
81	Stabilization of structure in near-infrared fluorescent proteins by binding of biliverdin chromophore. Journal of Molecular Structure, 2017, 1140, 22-31.	1.8	14
82	Trans-2-[4-(dimethylamino)styryl]-3-ethyl-1,3-benzothiazolium perchlorate - New fluorescent dye for testing of amyloid fibrils and study of their structure. Dyes and Pigments, 2018, 157, 385-395.	2.0	14
83	Trypsin Induced Degradation of Amyloid Fibrils. International Journal of Molecular Sciences, 2021, 22, 4828.	1.8	14
84	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.	1.2	13
85	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.	1.2	13
86	Photophysical Properties of Fluorescent Probe Thioflavin T in Crowded Milieu. Journal of Spectroscopy, 2017, 2017, 1-10.	0.6	13
87	New findings on GFP-like protein application as fluorescent tags: Fibrillogenesis, oligomerization, and amorphous aggregation. International Journal of Biological Macromolecules, 2021, 192, 1304-1310.	3.6	13
88	Correlation between Polymerizability and Conformation in Scallop Î²-Like Actin and Rabbit Skeletal Muscle Îµ-Actin. Archives of Biochemistry and Biophysics, 1999, 368, 105-111.	1.4	12
89	Monitoring of Actin Unfolding by Room Temperature Tryptophan Phosphorescence. Biochemistry, 2003, 42, 13551-13557.	1.2	12
90	Highly UV-Absorbing Complex in Selenomethionine-Substituted Alcohol Dehydrogenase fromSulfolobussolfataricus. Journal of Proteome Research, 2004, 3, 613-620.	1.8	12

#	Article	IF	Citations
91	Different disturbances â€“ one pathway of protein unfolding. Actin folding-unfolding and misfolding. Cell Biology International, 2007, 31, 405-412.	1.4	12
92	The effect of red pigment on the amyloidization of yeast proteins. Yeast, 2011, 28, 505-526.	0.8	12
93	Peculiarities of the Super-Folder GFP Folding in a Crowded Milieu. International Journal of Molecular Sciences, 2016, 17, 1805.	1.8	12
94	Targeting an Oncolytic Influenza A Virus to Tumor Tissue by Elastase. Molecular Therapy - Oncolytics, 2017, 7, 37-44.	2.0	12
95	Expression of recombinant GFP-actin fusion protein in the methylotrophic yeast. FEMS Yeast Research, 2003, 3, 105-111.	1.1	11
96	Spectral properties and factors determining high quantum yield of thioflavin T incorporated in amyloid fibrils. Spectroscopy, 2010, 24, 169-172.	0.8	11
97	Adaptive mutation in nuclear export protein allows stable transgene expression in a chimaeric influenza A virus vector. Journal of General Virology, 2014, 95, 337-349.	1.3	11
98	Interaction of Biliverdin Chromophore with Near-Infrared Fluorescent Protein BphP1-FP Engineered from Bacterial Phytochrome. International Journal of Molecular Sciences, 2017, 18, 1009.	1.8	11
99	Structure and Conformational Properties of d-Glucose/d-Galactose-Binding Protein in Crowded Milieu. Molecules, 2017, 22, 244.	1.7	11
100	M60-like metalloprotease domain of the Escherichia coli YghJ protein forms amyloid fibrils. PLoS ONE, 2018, 13, e0191317.	1.1	11
101	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.	3.6	11
102	Mitochondrial mistranslation modulated by metabolic stress causes cardiovascular disease and reduced lifespan. Aging Cell, 2021, 20, e13408.	3.0	11
103	Î²-Barrels and Amyloids: Structural Transitions, Biological Functions, and Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 11316.	1.8	11
104	Native globular actin has a thermodynamically unstable quasiâ€stationary structure with elements of intrinsic disorder. FEBS Journal, 2016, 283, 438-445.	2.2	10
105	Protein folding and stability in the presence of osmolytes. Biophysics (Russian Federation), 2016, 61, 185-192.	0.2	10
106	Structural and functional characteristics of various forms of red pigment of yeast Saccharomyces cerevisiae and its synthetic analog. Cell and Tissue Biology, 2013, 7, 86-94.	0.2	9
107	Investigation of the kinetics of insulin amyloid fibrils formation. Cell and Tissue Biology, 2014, 8, 186-191.	0.2	9
108	The trehalose/maltose-binding protein as the sensitive element of a glucose biosensor. Optical Materials, 2014, 36, 1676-1679.	1.7	9

#	Article	IF	Citations
109	The Quaternary Structure of the Recombinant Bovine Odorant-Binding Protein Is Modulated by Chemical Denaturants. PLoS ONE, 2014, 9, e85169.	1.1	9
110	New Evidence of the Importance of Weak Interactions in the Formation of PML-Bodies. International Journal of Molecular Sciences, 2022, 23, 1613.	1.8	9
111	Effects of low urea concentrations on protein-water interactions. Journal of Biomolecular Structure and Dynamics, 2017, 35, 207-218.	2.0	8
112	The effects of crowding agents Dextran-70k and PEG-8k on actin structure and unfolding reaction. Journal of Molecular Structure, 2017, 1140, 46-51.	1.8	8
113	Near-Infrared Markers based on Bacterial Phytochromes with Phycocyanobilin as a Chromophore. International Journal of Molecular Sciences, 2019, 20, 6067.	1.8	8
114	Effect of red pigment on amyloidization of yeast. Cell and Tissue Biology, 2010, 4, 152-166.	0.2	7
115	Thioflavin T Interaction with Acetylcholinesterase: New Evidence of 1:1 Binding Stoichiometry Obtained with Samples Prepared by Equilibrium Microdialysis. ACS Chemical Neuroscience, 2018, 9, 1793-1801.	1.7	7
116	Folding perspectives of an intrinsically disordered transactivation domain and its single mutation breaking the folding propensity. International Journal of Biological Macromolecules, 2020, 155, 1359-1372.	3.6	7
117	Alpha-B-Crystallin Effect on Mature Amyloid Fibrils: Different Degradation Mechanisms and Changes in Cytotoxicity. International Journal of Molecular Sciences, 2020, 21, 7659.	1.8	7
118	OmicsVolcano: Software for intuitive visualization and interactive exploration of high-throughput biological data. STAR Protocols, 2021, 2, 100279.	0.5	7
119	Photo-dependent membrane-less organelles formed from plant phyB and PIF6 proteins in mammalian cells. International Journal of Biological Macromolecules, 2021, 176, 325-331.	3.6	7
120	Stress-Induced Membraneless Organelles in Eukaryotes and Prokaryotes: Birdâ€™s-Eye View. International Journal of Molecular Sciences, 2022, 23, 5010.	1.8	7
121	New Evidence on a Distinction between AÎ²40 and AÎ²42 Amyloids: Thioflavin T Binding Modes, Clustering Tendency, Degradation Resistance, and Cross-Seeding. International Journal of Molecular Sciences, 2022, 23, 5513.	1.8	7
122	What causes the depolarization of trypsin and trypsinogen fluorescence. Biophysical Chemistry, 1986, 25, 315-323.	1.5	6
123	ThT as an instrument for testing and investigation of amyloid and amyloid-like fibrils. Proceedings of SPIE, 2007, , .	0.8	6
124	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.	1.3	6
125	Inelastic Incoherent Neutron Scattering in Some Proteins. Ferroelectrics, 2007, 348, 154-160.	0.3	5
126	Determination of homogeneous and inhomogeneous broadenings of quantum-well excitons by 2DFTS: An experiment-theory comparison. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 445-448.	0.8	5

#	Article	IF	Citations
127	Structure and stability of recombinant bovine odorant-binding protein: III. Peculiarities of the wild type bOBP unfolding in crowded milieu. PeerJ, 2016, 4, e1642.	0.9	5
128	sfGFP throws light on the early stages of Î²-barrel amyloidogenesis. International Journal of Biological Macromolecules, 2022, 215, 224-234.	3.6	5
129	EFFECTS OF SOME BIOLOGICALLY ACTIVE COMPOUNDS ON PHAGOSOMEâ€“LYSOSOME FUSION IN PERITONEAL MACROPHAGES OF MICE. Cell Biology International, 1998, 22, 465-472.	1.4	4
130	Expression of recombinant GFP-actin fusion protein in the methylotrophic yeast Pichia pastoris. FEMS Yeast Research, 2003, 3, 105-111.	1.1	4
131	Actin and amphiphilic polymers influence on channel formation by Syringomycin E in lipid bilayers. European Biophysics Journal, 2006, 35, 382-392.	1.2	4
132	Comparative assay of amyloid and prion contents in yeast cells. Cell and Tissue Biology, 2008, 2, 71-80.	0.2	4
133	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
134	Denaturation of proteins with beta-barrel topology induced by guanidine hydrochloride. Spectroscopy, 2010, 24, 367-373.	0.8	4
135	Spectral properties of BADAN in solutions with different polarities. Journal of Molecular Structure, 2015, 1090, 107-111.	1.8	4
136	Point mutations affecting yeast prion propagation change the structure of its amyloid fibrils. Journal of Molecular Liquids, 2020, 314, 113618.	2.3	4
137	Structure and stability of recombinant bovine odorant-binding protein: I. Design and analysis of monomeric mutants. PeerJ, 2016, 4, e1933.	0.9	4
138	The Combined Use of Fluorescence Spectroscopy and X-Ray Crystallography Greatly Contributes to Elucidating Structure and Dynamics of Proteins. , 2005, , 25-61.		3
139	Interaction between linker histone H1 and non-histone chromatin protein HMGB1. Spectroscopy, 2010, 24, 165-168.	0.8	3
140	Ligand-Binding Proteins: Structure, Stability and Practical Application. , 0, , .		3
141	Photophysical Properties of Trans-2-[4-(dimethylamino)styryl]-3-ethyl-1,3-benzothiazolium Perchlorate, a New Structural Analog of Thioflavin T. Journal of Applied Spectroscopy, 2014, 81, 205-213.	0.3	3
142	Formation of trans-2-[4-(Dimethylamino)Styryl]-3-Ethyl-1,3-Benzothiazolium Perchlorate Dimers in the Presence of Sodium Polystyrene Sulfonate. Journal of Applied Spectroscopy, 2017, 83, 917-923.	0.3	3
143	The Pathways of the iRFP713 Unfolding Induced by Different Denaturants. International Journal of Molecular Sciences, 2018, 19, 2776.	1.8	3
144	Photophysical Properties of BADAN Revealed in the Study of GGBP Structural Transitions. International Journal of Molecular Sciences, 2021, 22, 11113.	1.8	3

#	Article	IF	Citations
145	Comparison of crude lysate pellets from isogenic strains of yeast with different prion composition: Identification of prion-associated proteins. Cell and Tissue Biology, 2010, 4, 36-53.	0.2	2
146	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
147	Circularized Visualisation of Genetic Interactions. , 2017, , .		2
148	Osmolyte-Like Stabilizing Effects of Low GdnHCl Concentrations on d-Glucose/d-Galactose-Binding Protein. International Journal of Molecular Sciences, 2017, 18, 2008.	1.8	2
149	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.	3.6	2
150	Structure and stability of recombinant bovine odorant-binding protein: II. Unfolding of the monomeric forms. PeerJ, 2016, 4, e1574.	0.9	2
151	What causes the variation of polarization degree across the emission spectrum of proteins?. Biophysical Chemistry, 1986, 24, 327-335.	1.5	1
152	High stability of trehalose/maltose binding protein fromThermococcus litoralismakes it a good candidate as a sensitive element in biosensor systems for sugar control. Spectroscopy, 2010, 24, 349-353.	0.8	1
153	Structural Perturbation of Superfolder GFP in the Presence of Guanidine Thiocyanate. Spectroscopy, 2012, 27, 381-386.	0.8	1
154	Intrinsically Disordered Proteins PH-Induced Structural Transitions in Overcrowded Milieu. Biophysical Journal, 2018, 114, 591a.	0.2	1
155	Ans Fluorescent Probe Induces Clustering of Amyloid Fibers. Biophysical Journal, 2021, 120, 23a.	0.2	1
156	The unfolding of iRFP713 in a crowded milieu. PeerJ, 2019, 7, e6707.	0.9	1
157	Investigating Mitochondrial Transcriptomes and RNA Processing Using Circular RNA Sequencing. Methods in Molecular Biology, 2021, 2192, 43-57.	0.4	1
158	Structural Polymorphism of Lysozyme Amyloid Fibrils. Cell and Tissue Biology, 2022, 16, 259-267.	0.2	1
159	Impact of Double Covalent Binding of BV in NIR FPs on Their Spectral and Physicochemical Properties. International Journal of Molecular Sciences, 2022, 23, 7347.	1.8	1
160	New perspectives in protein-based biosensors: the glucokinase from B. stearothermophilus and the odorant-binding protein from C. familiaris as probes for non-consuming analyte sensors. , 2007, , .		0
161	Expression of recombinant actin 5C from Drosophila in the methylotrophyc yeast Pichia pastoris. Cell and Tissue Biology, 2007, 1, 248-258.	0.2	0
162	Photophysical Properties of Thioflavin T. Does it form Excimers When Integrated into Amyloid Fibrils?. Biophysical Journal, 2016, 110, 218a.	0.2	0

#	Article	IF	Citations
163	The Role of Charge Interactions in Liquid-Liquid Phase Transitions. Biophysical Journal, 2019, 116, 195a.	0.2	0
164	The Effect of Solution pH on the Structure and Stability of Lysozyme Amyloid Fibrils. Biophysical Journal, 2019, 116, 196a.	0.2	0
165	Denaturing Effect of Guanidine Hydrohloride on Amyloid Fibrils. Biophysical Journal, 2020, 118, 509a.	0.2	0
166	Interaction of Benzothiazole Dye Thioflavin T with Acidic Protein Prothymosin Alpha. Biophysical Journal, 2020, 118, 372a-373a.	0.2	0
167	The Role of Polyampholyte Regions of Intrinsically Disordered Proteins in the Formation of Membraneless Organelles. Biophysical Journal, 2020, 118, 369a.	0.2	0
168	PML-Bodies as Open Dynamic System. Biophysical Journal, 2021, 120, 311a.	0.2	0
169	Phytochrome Photobodies in Mammalian Cells. Biophysical Journal, 2021, 120, 307a.	0.2	0
170	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
171	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
172	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
173	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
174	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
175	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. , 2020, 18, e3000564.		0
176	Pathological and Functional Amyloid Fibrilsâ€”Part I. International Journal of Molecular Sciences, 2022, 23, 6447.	1.8	0