Irina Kuznetsova

List of Publications by Year in Descending Order

159 papers	4,926 citations	37 h-index	66 g-index
196 ext. papers	5,645 ext. citations	4.1 avg, IF	5.66 L-index

#	Paper	IF	Citations
159	New Evidence of the Importance of Weak Interactions in the Formation of PML-Bodies.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
158	Liquid-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	10.3	9
157	New Evidence on a Distinction between A40 and A42 Amyloids: Thioflavin T Binding Modes, Clustering Tendency, Degradation Resistance, and Cross-Seeding. *International Journal of Molecular Sciences*, **2022**, 23, 5513	6.3	0
156	Structural Polymorphism of Lysozyme Amyloid Fibrils. *Cell and Tissue Biology*, **2022**, 16, 259-267	0.4	0
155	Investigating Mitochondrial Transcriptomes and RNA Processing Using Circular RNA Sequencing. *Methods in Molecular Biology*, **2021**, 2192, 43-57	1.4	0
154	New findings on GFP-like protein application as fluorescent tags: Fibrillogenesis, oligomerization, and amorphous aggregation. *International Journal of Biological Macromolecules*, **2021**, 192, 1304-1310	7.9	2
153	OmicsVolcano: software for intuitive visualization and interactive exploration of high-throughput biological data. *STAR Protocols*, **2021**, 2, 100279	1.4	2
152	Photo-dependent membrane-less organelles formed from plant phyB and PIF6 proteins in mammalian cells. *International Journal of Biological Macromolecules*, **2021**, 176, 325-331	7.9	5
151	Trypsin Induced Degradation of Amyloid Fibrils. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
150	The Role of Non-Specific Interactions in Canonical and ALT-Associated PML-Bodies Formation and Dynamics. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
149	Mitochondrial mistranslation modulated by metabolic stress causes cardiovascular disease and reduced lifespan. *Aging Cell*, **2021**, 20, e13408	9.9	3
148	Alpha-B-Crystallin Effect on Mature Amyloid Fibrils: Different Degradation Mechanisms and Changes in Cytotoxicity. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
147	Point mutations affecting yeast prion propagation change the structure of its amyloid fibrils. *Journal of Molecular Liquids*, **2020**, 314, 113618	6	1
146	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	7.9	1
145	Denaturant effect on amyloid fibrils: Declasterization, depolymerization, denaturation and reassembly. *International Journal of Biological Macromolecules*, **2020**, 150, 681-694	7.9	7
144	Effect of the fluorescent probes ThT and ANS on the mature amyloid fibrils. *Prion*, **2020**, 14, 67-75	2.3	14
143	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	7.9	6

142	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. *PLoS Biology*, **2020**, 18, e3000564	9.7	16
141	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
140	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
139	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
138	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
137	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
136	Accumulation of storage proteins in plant seeds is mediated by amyloid formation **2020**, 18, e3000564		
135	Structural Analogue of Thioflavin T, DMASEBT, as a Tool for Amyloid Fibrils Study. *Analytical Chemistry*, **2019**, 91, 3131-3140	7.8	13
134	Stochasticity of Biological Soft Matter: Emerging Concepts in Intrinsically Disordered Proteins and Biological Phase Separation. *Trends in Biochemical Sciences*, **2019**, 44, 716-728	10.3	53
133	CirGO: an alternative circular way of visualising gene ontology terms. *BMC Bioinformatics*, **2019**, 20, 84	3.6	40
132	Multi-functionality of proteins involved in GPCR and G protein signaling: making sense of structure-function continuum with intrinsic disorder-based proteoforms. *Cellular and Molecular Life Sciences*, **2019**, 76, 4461-4492	10.3	28
131	Two Novel Amyloid Proteins, RopA and RopB, from the Root Nodule Bacterium. *Biomolecules*, **2019**, 9,	5.9	13
130	Stress signaling and cellular proliferation reverse the effects of mitochondrial mistranslation. *EMBO Journal*, **2019**, 38, e102155	13	14
129	Fidelity of translation initiation is required for coordinated respiratory complex assembly. *Science Advances*, **2019**, 5, eaay2118	14.3	24
128	Near-Infrared Markers based on Bacterial Phytochromes with Phycocyanobilin as a Chromophore. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
127	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	7.9	7
126	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	5.7	6
125	PTCD1 Is Required for 16S rRNA Maturation Complex Stability and Mitochondrial Ribosome Assembly. *Cell Reports*, **2018**, 23, 127-142	10.6	29

124	Intrinsically disordered proteins in crowded milieu: when chaos prevails within the cellular gumbo. *Cellular and Molecular Life Sciences*, **2018**, 75, 3907-3929	10.3	48
123	Investigation of Synuclein Amyloid Fibrils Using the Fluorescent Probe Thioflavin T. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
122	Concerted regulation of mitochondrial and nuclear non-coding RNAs by a dual-targeted RNase Z. *EMBO Reports*, **2018**, 19,	6.5	36
121	M60-like metalloprotease domain of the Escherichia coli YghJ protein forms amyloid fibrils. *PLoS ONE*, **2018**, 13, e0191317	3.7	10
120	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,	6.3	11
119	The Pathways of the iRFP713 Unfolding Induced by Different Denaturants. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	1
118	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	4.6	11
117	Effects of low urea concentrations on protein-water interactions. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 207-218	3.6	5
116	Oncolytic influenza A virus expressing interleukin-15 decreases tumor growth in vivo. *Surgery*, **2017** , 161, 735-746	3.6	20
115	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	0.7	3
114	Simultaneous processing and degradation of mitochondrial RNAs revealed by circularized RNA sequencing. *Nucleic Acids Research*, **2017**, 45, 5487-5500	20.1	24
113	Circularized Visualisation of Genetic Interactions **2017**,		1
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	3.4	7
111	Targeting an Oncolytic Influenza A Virus to Tumor Tissue by Elastase. *Molecular Therapy - Oncolytics* , **2017**, 7, 37-44	6.4	10
110	Photophysical Properties of Fluorescent Probe Thioflavin T in Crowded Milieu. *Journal of Spectroscopy*, **2017**, 2017, 1-10	1.5	8
109	Structure and Conformational Properties of d-Glucose/d-Galactose-Binding Protein in Crowded Milieu. *Molecules*, **2017**, 22,	4.8	7
108	Adult-onset obesity is triggered by impaired mitochondrial gene expression. *Science Advances*, **2017**, 3, e1700677	14.3	25
107	Thioflavin T fluoresces as excimer in highly concentrated aqueous solutions and as monomer being incorporated in amyloid fibrils. *Scientific Reports*, **2017**, 7, 2146	4.9	39

106	Stabilization of structure in near-infrared fluorescent proteins by binding of biliverdin chromophore. *Journal of Molecular Structure*, **2017**, 1140, 22-31	3.4	11
105	Different conditions of fibrillogenesis cause polymorphism of lysozyme amyloid fibrils. *Journal of Molecular Structure*, **2017**, 1140, 52-58	3.4	20
104	Lung Cancer Risk from Plutonium: A Pooled Analysis of the Mayak and Sellafield Worker Cohorts. *Radiation Research*, **2017**, 188, 645-660	3.1	23
103	Osmolyte-Like Stabilizing Effects of Low GdnHCl Concentrations on d-Glucose/d-Galactose-Binding Protein. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	1
102	Interaction of Biliverdin Chromophore with Near-Infrared Fluorescent Protein BphP1-FP Engineered from Bacterial Phytochrome. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	8
101	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. *ELife*, **2017**, 6,	8.9	93
100	Protein unfolding in crowded milieu: what crowding can do to a protein undergoing unfolding?. *Journal of Biomolecular Structure and Dynamics*, **2016**, 34, 2155-70	3.6	23
99	Protein folding and stability in the presence of osmolytes. *Biophysics (Russian Federation)*, **2016**, 61, 185-192	0.7	5
98	High Fluorescence Anisotropy of Thioflavin T in Aqueous Solution Resulting from Its Molecular Rotor Nature. *Analytical Chemistry*, **2016**, 88, 718-24	7.8	28
97	Structure and stability of recombinant bovine odorant-binding protein: II. Unfolding of the monomeric forms. *PeerJ*, **2016**, 4, e1574	3.1	2
96	Structure and stability of recombinant bovine odorant-binding protein: III. Peculiarities of the wild type bOBP unfolding in crowded milieu. *PeerJ*, **2016**, 4, e1642	3.1	3
95	Structure and stability of recombinant bovine odorant-binding protein: I. Design and analysis of monomeric mutants. *PeerJ*, **2016**, 4, e1933	3.1	4
94	Peculiarities of the Super-Folder GFP Folding in a Crowded Milieu. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	8
93	Stoichiometry and Affinity of Thioflavin T Binding to Sup35p Amyloid Fibrils. *PLoS ONE*, **2016**, 11, e0156314	3.7	22
92	Native globular actin has a thermodynamically unstable quasi-stationary structure with elements of intrinsic disorder. *FEBS Journal*, **2016**, 283, 438-45	5.7	6
91	Allosteric effects of chromophore interaction with dimeric near-infrared fluorescent proteins engineered from bacterial phytochromes. *Scientific Reports*, **2016**, 6, 18750	4.9	28
90	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. *Cell Reports*, **2016**, 16, 1874-90	10.6	80
89	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	2.4	5

88	Spectral Manifestations of Thioflavin T Aggregation. *Journal of Applied Spectroscopy*, **2015**, 82, 33-39	0.7	12
87	Intrinsically disordered proteins as crucial constituents of cellular aqueous two phase systems and coacervates. *FEBS Letters*, **2015**, 589, 15-22	3.8	153
86	Beyond the excluded volume effects: mechanistic complexity of the crowded milieu. *Molecules*, **2015**, 20, 1377-409	4.8	118
85	Spectral properties of BADAN in solutions with different polarities. *Journal of Molecular Structure*, **2015**, 1090, 107-111	3.4	3
84	A knot in the protein structure - probing the near-infrared fluorescent protein iRFP designed from a bacterial phytochrome. *FEBS Journal*, **2014**, 281, 2284-98	5.7	17
83	Investigation of the kinetics of insulin amyloid fibrils formation. *Cell and Tissue Biology*, **2014**, 8, 186-191	0.4	8
82	The trehalose/maltose-binding protein as the sensitive element of a glucose biosensor. *Optical Materials*, **2014**, 36, 1676-1679	3.3	7
81	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	0.7	3
80	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	4.9	10
79	What macromolecular crowding can do to a protein. *International Journal of Molecular Sciences*, **2014**, 15, 23090-140	6.3	318
78	Actinous enigma or enigmatic actin: Folding, structure, and functions of the most abundant eukaryotic protein. *Intrinsically Disordered Proteins*, **2014**, 2, e34500		10
77	Fluorescence of dyes in solutions with high absorbance. Inner filter effect correction. *PLoS ONE*, **2014**, 9, e103878	3.7	146
76	The quaternary structure of the recombinant bovine odorant-binding protein is modulated by chemical denaturants. *PLoS ONE*, **2014**, 9, e85169	3.7	7
75	Sensitivity of superfolder GFP to ionic agents. *PLoS ONE*, **2014**, 9, e110750	3.7	13
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	3.1	12
73	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	0.4	7
72	Beta-barrel scaffold of fluorescent proteins: folding, stability and role in chromophore formation. *International Review of Cell and Molecular Biology*, **2013**, 302, 221-78	6	57
71	Binding stoichiometry and affinity of fluorescent dyes to proteins in different structural states. *Methods in Molecular Biology*, **2012**, 895, 441-60	1.4	14

70	Interaction of thioflavin T with amyloid fibrils: fluorescence quantum yield of bound dye. *Journal of Physical Chemistry B*, **2012**, 116, 2538-44	3.4	76
69	Reevaluation of ANS binding to human and bovine serum albumins: key role of equilibrium microdialysis in ligand - receptor binding characterization. *PLoS ONE*, **2012**, 7, e40845	3.7	64
68	Analyzing thioflavin T binding to amyloid fibrils by an equilibrium microdialysis-based technique. *PLoS ONE*, **2012**, 7, e30724	3.7	54
67	Distinct effects of guanidine thiocyanate on the structure of superfolder GFP. *PLoS ONE*, **2012**, 7, e48809	3.7	14
66	Protein-Ligand Interactions of the D-Galactose/D-Glucose-Binding Protein as a Potential Sensing Probe of Glucose Biosensors. *Spectroscopy*, **2012**, 27, 373-379		2
65	Structural Perturbation of Superfolder GFP in the Presence of Guanidine Thiocyanate. *Spectroscopy*, **2012**, 27, 381-386		0
64	Ligand-Binding Proteins: Structure, Stability and Practical Application **2012**,		2
63	A new trend in the experimental methodology for the analysis of the thioflavin T binding to amyloid fibrils. *Molecular Neurobiology*, **2012**, 45, 488-98	6.2	46
62	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, 258-65	3.4	39
61	Modern fluorescent proteins: from chromophore formation to novel intracellular applications. *BioTechniques*, **2011**, 51, 313-4, 316, 318 passim	2.5	105
60	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, 11519-24	3.4	81
59	The effect of red pigment on the amyloidization of yeast proteins. *Yeast*, **2011**, 28, 505-26	3.4	10
58	New insight in protein-ligand interactions. 2. Stability and properties of two mutant forms of the D-galactose/D-glucose-binding protein from E. coli. *Journal of Physical Chemistry B*, **2011**, 115, 9022-32	3.4	12
57	New insight into protein-ligand interactions. The case of the D-galactose/D-glucose-binding protein from Escherichia coli. *Journal of Physical Chemistry B*, **2011**, 115, 2765-73	3.4	11
56	Establishment of a chimeric, replication-deficient influenza A virus vector by modulation of splicing efficiency. *Journal of Virology*, **2011**, 85, 2469-73	6.6	19
55	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		4
54	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		1
53	Denaturation of proteins with beta-barrel topology induced by guanidine hydrochloride. *Spectroscopy*, **2010**, 24, 367-373		4

52	Interaction between linker histone H1 and non-histone chromatin protein HMGB1. *Spectroscopy*, **2010**, 24, 165-168		3
51	Spectral properties and factors determining high quantum yield of thioflavin T incorporated in amyloid fibrils. *Spectroscopy*, **2010**, 24, 169-172		9
50	Fluorescence quantum yield of thioflavin T in rigid isotropic solution and incorporated into the amyloid fibrils. *PLoS ONE*, **2010**, 5, e15385	3.7	131
49	Differences in the pathways of proteins unfolding induced by urea and guanidine hydrochloride: molten globule state and aggregates. *PLoS ONE*, **2010**, 5, e15035	3.7	67
48	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	0.4	2
47	Effect of red pigment on amyloidization of yeast. *Cell and Tissue Biology*, **2010**, 4, 152-166	0.4	7
46	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	4.7	157
45	Prion-associated proteins in yeast: comparative analysis of isogenic [PSI(+)] and [psi(-)] strains. *Yeast*, **2009**, 26, 611-31	3.4	17
44	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		4
43	Ultrafast Coherent Interactions in Quantum Wells Studied by Two-Dimensional Fourier Transform Spectroscopy. *Springer Series in Chemical Physics*, **2009**, 247-249	0.3	
42	Thioflavin T as a molecular rotor: fluorescent properties of thioflavin T in solvents with different viscosity. *Journal of Physical Chemistry B*, **2008**, 112, 15893-902	3.4	256
41	Fluorescent proteins as biomarkers and biosensors: throwing color lights on molecular and cellular processes. *Current Protein and Peptide Science*, **2008**, 9, 338-69	2.8	117
40	Hydrophobic interactions and ionic networks play an important role in thermal stability and denaturation mechanism of the porcine odorant-binding protein. *Proteins: Structure, Function and Bioinformatics*, **2008**, 71, 35-44	4.2	28
39	Understanding the role of Arg96 in structure and stability of green fluorescent protein. *Proteins: Structure, Function and Bioinformatics*, **2008**, 73, 539-51	4.2	13
38	Comparative assay of amyloid and prion contents in yeast cells. *Cell and Tissue Biology*, **2008**, 2, 71-80	0.4	4
37	Stability and dynamics of the porcine odorant-binding protein. *Biochemistry*, **2007**, 46, 11120-7	3.2	25
36	Computational study of thioflavin T torsional relaxation in the excited state. *Journal of Physical Chemistry A*, **2007**, 111, 4829-35	2.8	173
35	Different disturbances--one pathway of protein unfolding. Actin folding-unfolding and misfolding. *Cell Biology International*, **2007**, 31, 405-12	4.5	11

34	Expression of recombinant actin 5C from Drosophila in the methylotrophyc yeast Pichia pastoris. *Cell and Tissue Biology*, **2007**, 1, 248-258	0.4	
33	Polarization-dependent optical 2D Fourier transform spectroscopy of semiconductors. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14227-32	11.5	93
32	ThT as an instrument for testing and investigation of amyloid and amyloid-like fibrils **2007**,		5
31	Spectral properties of thioflavin T in solvents with different dielectric properties and in a fibril-incorporated form. *Journal of Proteome Research*, **2007**, 6, 1392-401	5.6	166
30	Inelastic Incoherent Neutron Scattering in Some Proteins. *Ferroelectrics*, **2007**, 348, 154-160	0.6	5
29	Actin and amphiphilic polymers influence on channel formation by Syringomycin E in lipid bilayers. *European Biophysics Journal*, **2006**, 35, 382-92	1.9	3
28	Unfolding and refolding of the glutamine-binding protein from Escherichia coli and its complex with glutamine induced by guanidine hydrochloride. *Biochemistry*, **2005**, 44, 5625-33	3.2	24
27	Fluorescence properties of glutamine-binding protein from Escherichia coli and its complex with glutamine. *Journal of Proteome Research*, **2005**, 4, 417-23	5.6	13
26	The Combined Use of Fluorescence Spectroscopy and X-Ray Crystallography Greatly Contributes to Elucidating Structure and Dynamics of Proteins **2005**, 25-61		2
25	Conformational change of the dimeric DsbC molecule induced by GdnHCl. A study by intrinsic fluorescence. *Biochemistry*, **2004**, 43, 5296-303	3.2	17
24	Highly UV-absorbing complex in selenomethionine-substituted alcohol dehydrogenase from Sulfolobus solfataricus. *Journal of Proteome Research*, **2004**, 3, 613-20	5.6	12
23	Comparative studies on the structure and stability of fluorescent proteins EGFP, zFP506, mRFP1, "dimer2", and DsRed1. *Biochemistry*, **2004**, 43, 14913-23	3.2	73
22	Use of the phase diagram method to analyze the protein unfolding-refolding reactions: fishing out the "invisible" intermediates. *Journal of Proteome Research*, **2004**, 3, 485-94	5.6	120
21	Spectral Properties of Thioflavin T and Its Complexes with Amyloid Fibrils. *Journal of Applied Spectroscopy*, **2003**, 70, 868-874	0.7	177
20	Intrinsic Fluorescence of Actin. *Journal of Fluorescence*, **2003**, 13, 41-57	2.4	48
19	Expression of recombinant GFP-actin fusion protein in the methylotrophic yeast Pichia pastoris. *FEMS Yeast Research*, **2003**, 3, 105-111	3.1	
18	High stability of Discosoma DsRed as compared to Aequorea EGFP. *Biochemistry*, **2003**, 42, 7879-84	3.2	89
17	Monitoring of actin unfolding by room temperature tryptophan phosphorescence. *Biochemistry*, **2003**, 42, 13551-7	3.2	11

16	Expression of recombinant GFP-actin fusion protein in the methylotrophic yeast Pichia pastoris. *FEMS Yeast Research*, **2003**, 3, 105-11	3.1	9
15	Unraveling multistate unfolding of rabbit muscle creatine kinase. *BBA - Proteins and Proteomics*, **2002**, 1596, 138-55		88
14	The place of inactivated actin and its kinetic predecessor in actin folding-unfolding. *Biochemistry*, **2002**, 41, 13127-32	3.2	39
13	Kinetics of actin unfolding induced by guanidine hydrochloride. *Biochemistry*, **2002**, 41, 1014-9	3.2	33
12	Partially folded conformations in the folding pathway of bovine carbonic anhydrase II: a fluorescence spectroscopic analysis. *ChemBioChem*, **2001**, 2, 813-21	3.8	115
11	Contribution of separate tryptophan residues to intrinsic fluorescence of actin. Analysis of 3D structure. *FEBS Letters*, **1999**, 452, 205-10	3.8	33
10	Effect of self-association on the structural organization of partially folded proteins: inactivated actin. *Biophysical Journal*, **1999**, 77, 2788-800	2.9	41
9	The structure and dynamics of partially folded actin. *Biochemistry*, **1999**, 38, 6261-9	3.2	31
8	Correlation between polymerizability and conformation in scallop beta-like actin and rabbit skeletal muscle alpha-actin. *Archives of Biochemistry and Biophysics*, **1999**, 368, 105-11	4.1	11
7	Effects of some biologically active compounds on phagosome-lysosome fusion in peritoneal macrophages of mice. *Cell Biology International*, **1998**, 22, 465-72	4.5	1
6	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, 105-8	3.8	32
5	Physico-chemical properties of actin cleaved with bacterial protease from E. coli A2 strain. *FEBS Letters*, **1991**, 279, 49-51	3.8	44
4	Changes of structure and intramolecular mobility in the course of actin denaturation. *Biophysical Chemistry*, **1988**, 32, 73-8	3.5	32
3	What causes the depolarization of trypsin and trypsinogen fluorescence. Intramolecular mobility or non-radiative energy transfer?. *Biophysical Chemistry*, **1986**, 25, 315-23	3.5	5
2	What causes the variation of polarization degree across the emission spectrum of proteins?. *Biophysical Chemistry*, **1986**, 24, 327-35	3.5	1
1	The environment of the tryptophan residue in Pseudomonas aeruginosa azurin and its fluorescence properties. *Biophysical Chemistry*, **1985**, 23, 79-89	3.5	36