Anna I Sulatskaya

List of Publications by Year
in descending order

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47 papers	1,255 citations	516710 16 h-index	361022 35 g-index
48 all docs	48 docs citations	48 times ranked	1557 citing authors

#	Article	IF	Citations
1	Fluorescence of Dyes in Solutions with High Absorbance. Inner Filter Effect Correction. PLoS ONE, 2014, 9, e103878.	2.5	182
2	Fluorescence Quantum Yield of Thioflavin T in Rigid Isotropic Solution and Incorporated into the Amyloid Fibrils. PLoS ONE, 2010, 5, e15385.	2.5	152
3	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.	2.6	92
4	Interaction of Thioflavin T with Amyloid Fibrils: Fluorescence Quantum Yield of Bound Dye. Journal of Physical Chemistry B, 2012, 116, 2538-2544.	2.6	84
5	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.	2.5	71
6	Thioflavin T fluoresces as excimer in highly concentrated aqueous solutions and as monomer being incorporated in amyloid fibrils. Scientific Reports, 2017, 7, 2146.	3.3	66
7	Analyzing Thioflavin T Binding to Amyloid Fibrils by an Equilibrium Microdialysis-Based Technique. PLoS ONE, 2012, 7, e30724.	2.5	63
8	A New Trend in the Experimental Methodology for the Analysis of the Thioflavin T Binding to Amyloid Fibrils. Molecular Neurobiology, 2012, 45, 488-498.	4.0	56
9	Accumulation of storage proteins in plant seeds is mediated by amyloid formation. PLoS Biology, 2020, 18, e3000564.	5.6	53
10	Effect of the fluorescent probes ThT and ANS on the mature amyloid fibrils. Prion, 2020, 14, 67-75.	1.8	46
11	Investigation of Î±-Synuclein Amyloid Fibrils Using the Fluorescent Probe Thioflavin T. International Journal of Molecular Sciences, 2018, 19, 2486.	4.1	36
12	High Fluorescence Anisotropy of Thioflavin T in Aqueous Solution Resulting from Its Molecular Rotor Nature. Analytical Chemistry, 2016, 88, 718-724.	6.5	32
13	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
14	Different conditions of fibrillogenesis cause polymorphism of lysozyme amyloid fibrils. Journal of Molecular Structure, 2017, 1140, 52-58.	3.6	27
15	Stoichiometry and Affinity of Thioflavin T Binding to Sup35p Amyloid Fibrils. PLoS ONE, 2016, 11, e0156314.	2.5	23
16	Two Novel Amyloid Proteins, RopA and RopB, from the Root Nodule Bacterium Rhizobium leguminosarum. Biomolecules, 2019, 9, 694.	4.0	23
17	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.	4.1	17
18	Structural Analogue of Thioflavin T, DMASEBT, as a Tool for Amyloid Fibrils Study. Analytical Chemistry, 2019, 91, 3131-3140.	6.5	16

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19	Binding Stoichiometry and Affinity of Fluorescent Dyes to Proteins in Different Structural States. Methods in Molecular Biology, 2012, 895, 441-460.	0.9	15
20	Spectral Manifestations of Thioflavin T Aggregation. Journal of Applied Spectroscopy, 2015, 82, 33-39.	0.7	15
21	Denaturant effect on amyloid fibrils: Declasterization, depolymerization, denaturation and reassembly. International Journal of Biological Macromolecules, 2020, 150, 681-694.	7.5	15
22	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.	3.7	14
23	Trypsin Induced Degradation of Amyloid Fibrils. International Journal of Molecular Sciences, 2021, 22, 4828.	4.1	14
24	Photophysical Properties of Fluorescent Probe Thioflavin T in Crowded Milieu. Journal of Spectroscopy, 2017, 2017, 1-10.	1.3	13
25	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
26	Spectral properties and factors determining high quantum yield of thioflavin T incorporated in amyloid fibrils. Spectroscopy, 2010, 24, 169-172.	0.8	11
27	M60-like metalloprotease domain of the Escherichia coli YghJ protein forms amyloid fibrils. PLoS ONE, 2018, 13, e0191317.	2.5	11
28	Î²-Barrels and Amyloids: Structural Transitions, Biological Functions, and Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 11316.	4.1	11
29	Investigation of the kinetics of insulin amyloid fibrils formation. Cell and Tissue Biology, 2014, 8, 186-191.	0.4	9
30	Effects of low urea concentrations on protein-water interactions. Journal of Biomolecular Structure and Dynamics, 2017, 35, 207-218.	3.5	8
31	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.	3.5	7
32	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
33	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.	4.1	7
34	sfGFP throws light on the early stages of Î²-barrel amyloidogenesis. International Journal of Biological Macromolecules, 2022, 215, 224-234.	7.5	5
35	Point mutations affecting yeast prion propagation change the structure of its amyloid fibrils. Journal of Molecular Liquids, 2020, 314, 113618.	4.9	4
36	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

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37	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
38	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
39	Ans Fluorescent Probe Induces Clustering of Amyloid Fibers. Biophysical Journal, 2021, 120, 23a.	0.5	1
40	Structural Polymorphism of Lysozyme Amyloid Fibrils. Cell and Tissue Biology, 2022, 16, 259-267.	0.4	1
41	New Solution of Eliminating the Inner Filter Effect in Fluorescent Measurements. Biophysical Journal, 2013, 104, 345a.	0.5	0
42	Photophysical Properties of Thioflavin T. Does it form Excimers When Integrated into Amyloid Fibrils?. Biophysical Journal, 2016, 110, 218a.	0.5	0
43	The Effect of Solution pH on the Structure and Stability of Lysozyme Amyloid Fibrils. Biophysical Journal, 2019, 116, 196a.	0.5	0
44	Denaturing Effect of Guanidine Hydrohloride on Amyloid Fibrils. Biophysical Journal, 2020, 118, 509a.	0.5	0
45	Interaction of Benzothiazole Dye Thioflavin T with Acidic Protein Prothymosin Alpha. Biophysical Journal, 2020, 118, 372a-373a.	0.5	0
46	Thermostability of lysozyme amyloid fibrils. Journal of Physics: Conference Series, 2021, 2086, 012117.	0.4	0
47	ÂÂOmpF porins of Enterobacteriaceae possess amyloidogenic properties. FASEB Journal, 2022, 36, .	0.5	0