Valeriya M Trusova

List of Publications by Year
in descending order

54	640	516215 16	676716 22
papers	citations	h-index	g-index

54	54	54	805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined thioflavin Tâ€“Congo red fluorescence assay for amyloid fibril detection. Methods and Applications in Fluorescence, 2016, 4, 034010.	1.1	36
2	New fluorescent probes for detection and characterization of amyloid fibrils. Chemical Physics Letters, 2010, 495, 275-279.	1.2	34
3	Cytochrome c-Lipid Interactions: New Insights from Resonance Energy Transfer. Biophysical Journal, 2010, 99, 1754-1763.	0.2	31
4	Novel asymmetric monomethine cyanine dyes derived from sulfobetaine benzothiazolium moiety as potential fluorescent dyes for non-covalent labeling of DNA. Dyes and Pigments, 2016, 130, 122-128.	2.0	28
5	Cyanine dyes derived inhibition of insulin fibrillization. Journal of Molecular Liquids, 2019, 276, 541-552.	2.3	28
6	Protein aggregation in a membrane environment. Advances in Protein Chemistry and Structural Biology, 2011, 84, 113-142.	1.0	26
7	Interaction of Thioflavin T with amyloid fibrils of apolipoprotein A-I N-terminal fragment: Resonance energy transfer study. Journal of Structural Biology, 2014, 185, 116-124.	1.3	23
8	Aggregation behavior of novel heptamethine cyanine dyes upon their binding to native and fibrillar lysozyme. Molecular BioSystems, 2017, 13, 970-980.	2.9	23
9	Symmetric Meso-Chloro-Substituted Pentamethine Cyanine Dyes Containing Benzothiazolyl/Benzoselenazolyl Chromophores Novel Synthetic Approach and Studies on Photophysical Properties upon Interaction with bio-Objects. Journal of Fluorescence, 2016, 26, 177-187.	1.3	22
10	Thioflavin T derivatives for the characterization of insulin and lysozyme amyloid fibrils in vitro: Fluorescence and quantum-chemical studies. Journal of Luminescence, 2015, 159, 284-293.	1.5	19
11	Synthesis and fluorescence characteristics of novel asymmetric cyanine dyes for DNA detection. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 217, 147-156.	2.0	18
12	Newly synthesized benzanthrone derivatives as prospective fluorescent membrane probes. Journal of Luminescence, 2014, 146, 307-313.	1.5	18
13	Novel benzanthrone probes for membrane and protein studies. Methods and Applications in Fluorescence, 2016, 4, 034007.	1.1	18
14	Membrane effects of lysozyme amyloid fibrils. Chemistry and Physics of Lipids, 2012, 165, 331-337.	1.5	17
15	Novel aminobenzanthrone dyes for amyloid fibril detection. Chemical Physics Letters, 2012, 532, 110-115.	1.2	17
16	Novel Benzanthrone Aminoderivatives for Membrane Studies. Journal of Fluorescence, 2012, 22, 953-959.	1.3	16
17	Benzanthrone dyes as mediators of cascade energy transfer in insulin amyloid fibrils. Journal of Molecular Liquids, 2021, 324, 115102.	2.3	16
18	Fluorescence Investigation of Interactions Between Novel Benzanthrone Dyes and Lysozyme Amyloid Fibrils. Journal of Fluorescence, 2014, 24, 493-504.	1.3	15

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19	Novel synthetic approach to near-infrared heptamethine cyanine dyes and spectroscopic characterization in presence of biological molecules. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 87-96.	2.0	15
20	Two-step FRET as a tool for probing the amyloid state of proteins. Journal of Molecular Liquids, 2019, 294, 111675.	2.3	14
21	Probing the amyloid protein aggregates with unsymmetrical monocationic trimethine cyanine dyes. Journal of Molecular Liquids, 2020, 311, 113287.	2.3	14
22	Association of novel monomethine cyanine dyes with bacteriophage MS2: A fluorescence study. Journal of Molecular Liquids, 2020, 302, 112569.	2.3	14
23	Cytochrome c induces lipid demixing in weakly charged phosphatidylcholine/phosphatidylglycerol model membranes as evidenced by resonance energy transfer. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1358-1365.	1.4	13
24	Effects of oligomeric lysozyme on structural state of model membranes. Biophysical Chemistry, 2011, 154, 73-81.	1.5	13
25	Europium Coordination Complexes as Potential Anticancer Drugs: Their Partitioning and Permeation Into Lipid Bilayers as Revealed by Pyrene Fluorescence Quenching. Journal of Fluorescence, 2013, 23, 193-202.	1.3	11
26	FRET evidence for untwisting of amyloid fibrils on the surface of model membranes. Soft Matter, 2015, 11, 6223-6234.	1.2	11
27	Molecular dynamics simulations of lysozymeâ€“lipid systems: probing the early steps of protein aggregation. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2249-2260.	2.0	11
28	Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes. Journal of Fluorescence, 2011, 21, 1689-1695.	1.3	10
29	Spectroscopic and molecular docking studies of the interactions of monomeric unsymmetrical polycationic fluorochromes with DNA and RNA. Dyes and Pigments, 2020, 180, 108446.	2.0	9
30	Electrostatically-controlled protein adsorption onto lipid bilayer: Modeling adsorbate aggregation behavior. Biophysical Chemistry, 2008, 133, 90-103.	1.5	8
31	Morphological changes of supported lipid bilayers induced by lysozyme: Planar domain formation vs. multilayer stacking. Colloids and Surfaces B: Biointerfaces, 2010, 80, 219-226.	2.5	8
32	Membrane Effects of N-Terminal Fragment of Apolipoprotein A-I: A Fluorescent Probe Study. Journal of Fluorescence, 2015, 25, 253-261.	1.3	7
33	A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. Journal of Fluorescence, 2009, 19, 1017-1023.	1.3	6
34	FÃ¶rster Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment. Journal of Physical Chemistry B, 2010, 114, 16773-16782.	1.2	6
35	Modulation of physiological and pathological activities of lysozyme by biological membranes. Cellular and Molecular Biology Letters, 2012, 17, 349-75.	2.7	6
36	Fluorescence study of the effect of the oxidized phospholipids on amyloid fibril formation by the apolipoprotein A-I N-terminal fragment. Chemical Physics Letters, 2017, 688, 1-6.	1.2	6

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37	FÃ¶rster Resonance Energy Transfer Study of Cytochrome câ€”Lipid Interactions. Journal of Fluorescence, 2018, 28, 79-88.	1.3	6
38	Interactions of Lipid Membranes with Fibrillar Protein Aggregates. Advances in Experimental Medicine and Biology, 2015, 855, 135-155.	0.8	5
39	Membrane interactions of fibrillar lysozyme: Effect of lipid bilayer composition. Journal of Molecular Liquids, 2019, 274, 338-344.	2.3	5
40	Liposomes Integrated with Amyloid Hydrogels: a Novel Composite Drug Delivery Platform. BioNanoScience, 2020, 10, 446-454.	1.5	5
41	FÓ§rster resonance energy transfer between Thioflavin T and unsymmetrical trimethine cyanine dyes on amyloid fibril scaffold. Chemical Physics Letters, 2021, 785, 139127.	1.2	5
42	The effect of lysozyme amyloid fibrils on cytochrome câ€“lipid interactions. Chemistry and Physics of Lipids, 2012, 165, 769-776.	1.5	4
43	Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. Journal of Fluorescence, 2013, 23, 1229-1237.	1.3	4
44	Location of Novel Benzanthrone Dyes in Model Membranes as Revealed by Resonance Energy Transfer. Journal of Fluorescence, 2014, 24, 899-907.	1.3	4
45	Fluorescence study on aggregated lysozyme and lipid bilayer interactions. Journal of Photochemistry and Photobiology B: Biology, 2012, 113, 51-55.	1.7	3
46	Protein Fibrillar Nanopolymers: Molecular-Level Insights into Their Structural, Physical and Mechanical Properties. Biophysical Reviews and Letters, 2015, 10, 135-156.	0.9	3
47	Lipid bilayer interactions of Eu(III) tris-Î²-diketonato coordination complex. Chemical Physics Letters, 2008, 457, 417-420.	1.2	2
48	Probing proteinâ€“lipid interactions by FRET between membrane fluorophores. Methods and Applications in Fluorescence, 2016, 4, 034014.	1.1	2
49	Liposomal Co-Encapsulation of Two Novel Europium Complexes and Doxorubicin: Fluorescence Study. Journal of Fluorescence, 2017, 27, 1359-1363.	1.3	2
50	Probing the interactions of novel europium coordination complexes with serum albumin. Luminescence, 2021, 36, 795-801.	1.5	2
51	Lipid Bilayer Interactions of Amyloidogenic N-Terminal Fragment of Apolipoprotein A-I Probed by FÃ¶rster Resonance Energy Transfer and Molecular Dynamics Simulations. Journal of Fluorescence, 2018, 28, 1037-1047.	1.3	1
52	Amyloid fibrils: Dark side of protein aggregation. , 2015, , .		0
53	Luminescent Analysis of Blood Serum for Diagnostics of Pathological and Pre-Pathological States of Cancer Patients. Journal of Fluorescence, 2021, 31, 1065-1073.	1.3	0
54	Functionalization of insulin nanofibrils with fluorophores involved in cascade FÃ¶rster resonance energy transfer. Molecular Systems Design and Engineering, 0, , .	1.7	0