

Galyna P Gorbenko

List of Publications by Year in descending order

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67
papers

1,306
citations

430874

18
h-index

377865

34
g-index

67
all docs

67
docs citations

67
times ranked

1691
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of lipid-protein interactions in amyloid-type protein fibril formation. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 72-82.	3.2	244
2	Binding of Lysozyme to Phospholipid Bilayers: Evidence for Protein Aggregation upon Membrane Association. <i>Biophysical Journal</i> , 2007, 93, 140-153.	0.5	129
3	Cytochrome c Interaction with Cardiolipin/Phosphatidylcholine Model Membranes: Effect of Cardiolipin Protonation. <i>Biophysical Journal</i> , 2006, 90, 4093-4103.	0.5	69
4	Lysozyme effect on structural state of model membranes as revealed by pyrene excimerization studies. <i>Biophysical Chemistry</i> , 2005, 114, 199-204.	2.8	52
5	Cholesterol Modulates Interaction between an Amphipathic Class A Peptide, Ac-18A-NH ₂ , and Phosphatidylcholine Bilayers. <i>Biochemistry</i> , 2002, 41, 4165-4172.	2.5	36
6	Combined thioflavin T-Congo red fluorescence assay for amyloid fibril detection. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034010.	2.3	36
7	New fluorescent probes for detection and characterization of amyloid fibrils. <i>Chemical Physics Letters</i> , 2010, 495, 275-279.	2.6	34
8	Cytochrome c-Lipid Interactions: New Insights from Resonance Energy Transfer. <i>Biophysical Journal</i> , 2010, 99, 1754-1763.	0.5	31
9	Coverage-dependent changes of cytochrome c transverse location in phospholipid membranes revealed by FRET. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1716, 49-58.	2.6	29
10	Novel asymmetric monomethine cyanine dyes derived from sulfobetaine benzothiazolium moiety as potential fluorescent dyes for non-covalent labeling of DNA. <i>Dyes and Pigments</i> , 2016, 130, 122-128.	3.7	28
11	Cyanine dyes derived inhibition of insulin fibrillization. <i>Journal of Molecular Liquids</i> , 2019, 276, 541-552.	4.9	28
12	Fluorescence study of protein-lipid complexes with a new symmetric squarylium probe. <i>Biophysical Chemistry</i> , 2007, 128, 75-86.	2.8	27
13	Protein aggregation in a membrane environment. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011, 84, 113-142.	2.3	26
14	Interaction of Thioflavin T with amyloid fibrils of apolipoprotein A-I N-terminal fragment: Resonance energy transfer study. <i>Journal of Structural Biology</i> , 2014, 185, 116-124.	2.8	23
15	Aggregation behavior of novel heptamethine cyanine dyes upon their binding to native and fibrillar lysozyme. <i>Molecular BioSystems</i> , 2017, 13, 970-980.	2.9	23
16	A New Fluorescent Squaraine Probe for the Measurement of Membrane Polarity. <i>Journal of Fluorescence</i> , 2006, 16, 47-52.	2.5	22
17	Symmetric Meso-Chloro-Substituted Pentamethine Cyanine Dyes Containing Benzothiazolyl/Benzoselenazolyl Chromophores Novel Synthetic Approach and Studies on Photophysical Properties upon Interaction with bio-Objects. <i>Journal of Fluorescence</i> , 2016, 26, 177-187.	2.5	22
18	Thioflavin T derivatives for the characterization of insulin and lysozyme amyloid fibrils in vitro: Fluorescence and quantum-chemical studies. <i>Journal of Luminescence</i> , 2015, 159, 284-293.	3.1	19

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19	Synthesis and fluorescence characteristics of novel asymmetric cyanine dyes for DNA detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 147-156.	3.9	18
20	Newly synthesized benzanthrone derivatives as prospective fluorescent membrane probes. <i>Journal of Luminescence</i> , 2014, 146, 307-313.	3.1	18
21	Novel benzanthrone probes for membrane and protein studies. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034007.	2.3	18
22	Resonance energy transfer study of lysozyme–lipid interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1213-1221.	2.6	17
23	Membrane effects of lysozyme amyloid fibrils. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 331-337.	3.2	17
24	Novel aminobenzanthrone dyes for amyloid fibril detection. <i>Chemical Physics Letters</i> , 2012, 532, 110-115.	2.6	17
25	Novel Benzanthrone Aminoderivatives for Membrane Studies. <i>Journal of Fluorescence</i> , 2012, 22, 953-959.	2.5	16
26	Benzanthrone dyes as mediators of cascade energy transfer in insulin amyloid fibrils. <i>Journal of Molecular Liquids</i> , 2021, 324, 115102.	4.9	16
27	Fluorescence Investigation of Interactions Between Novel Benzanthrone Dyes and Lysozyme Amyloid Fibrils. <i>Journal of Fluorescence</i> , 2014, 24, 493-504.	2.5	15
28	Novel synthetic approach to near-infrared heptamethine cyanine dyes and spectroscopic characterization in presence of biological molecules. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, 87-96.	3.9	15
29	Two-step FRET as a tool for probing the amyloid state of proteins. <i>Journal of Molecular Liquids</i> , 2019, 294, 111675.	4.9	14
30	Probing the amyloid protein aggregates with unsymmetrical monocationic trimethine cyanine dyes. <i>Journal of Molecular Liquids</i> , 2020, 311, 113287.	4.9	14
31	Association of novel monomethine cyanine dyes with bacteriophage MS2: A fluorescence study. <i>Journal of Molecular Liquids</i> , 2020, 302, 112569.	4.9	14
32	Cytochrome c induces lipid demixing in weakly charged phosphatidylcholine/phosphatidylglycerol model membranes as evidenced by resonance energy transfer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1358-1365.	2.6	13
33	Effects of oligomeric lysozyme on structural state of model membranes. <i>Biophysical Chemistry</i> , 2011, 154, 73-81.	2.8	13
34	Effect of cholesterol on bilayer location of the class A peptide Ac-18A-NH 2 as revealed by fluorescence resonance energy transfer. <i>European Biophysics Journal</i> , 2003, 32, 703-709.	2.2	12
35	Three-step Förster resonance energy transfer on an amyloid fibril scaffold. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14746-14754.	2.8	12
36	Europium Coordination Complexes as Potential Anticancer Drugs: Their Partitioning and Permeation Into Lipid Bilayers as Revealed by Pyrene Fluorescence Quenching. <i>Journal of Fluorescence</i> , 2013, 23, 193-202.	2.5	11

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37	FRET evidence for untwisting of amyloid fibrils on the surface of model membranes. <i>Soft Matter</i> , 2015, 11, 6223-6234.	2.7	11
38	Molecular dynamics simulations of lysozyme–lipid systems: probing the early steps of protein aggregation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2249-2260.	3.5	11
39	Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes. <i>Journal of Fluorescence</i> , 2011, 21, 1689-1695.	2.5	10
40	Spectroscopic and molecular docking studies of the interactions of monomeric unsymmetrical polycationic fluorochromes with DNA and RNA. <i>Dyes and Pigments</i> , 2020, 180, 108446.	3.7	9
41	Electrostatically-controlled protein adsorption onto lipid bilayer: Modeling adsorbate aggregation behavior. <i>Biophysical Chemistry</i> , 2008, 133, 90-103.	2.8	8
42	Morphological changes of supported lipid bilayers induced by lysozyme: Planar domain formation vs. multilayer stacking. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 219-226.	5.0	8
43	Examining Protein-Lipid Interactions in Model Systems with a New Squarylium Fluorescent Dye. <i>Journal of Fluorescence</i> , 2006, 16, 547-554.	2.5	7
44	Tracing Lysozyme-Lipid Interactions with Long-Wavelength Squaraine Dyes. <i>Journal of Fluorescence</i> , 2006, 17, 65-72.	2.5	7
45	Membrane Effects of N-Terminal Fragment of Apolipoprotein A-I: A Fluorescent Probe Study. <i>Journal of Fluorescence</i> , 2015, 25, 253-261.	2.5	7
46	A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. <i>Journal of Fluorescence</i> , 2009, 19, 1017-1023.	2.5	6
47	Förster Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16773-16782.	2.6	6
48	Fluorescence study of the effect of the oxidized phospholipids on amyloid fibril formation by the apolipoprotein A-I N-terminal fragment. <i>Chemical Physics Letters</i> , 2017, 688, 1-6.	2.6	6
49	Förster Resonance Energy Transfer Study of Cytochrome c–Lipid Interactions. <i>Journal of Fluorescence</i> , 2018, 28, 79-88.	2.5	6
50	Interactions of Lipid Membranes with Fibrillar Protein Aggregates. <i>Advances in Experimental Medicine and Biology</i> , 2015, 855, 135-155.	1.6	5
51	Membrane interactions of fibrillar lysozyme: Effect of lipid bilayer composition. <i>Journal of Molecular Liquids</i> , 2019, 274, 338-344.	4.9	5
52	Liposomes Integrated with Amyloid Hydrogels: a Novel Composite Drug Delivery Platform. <i>BioNanoScience</i> , 2020, 10, 446-454.	3.5	5
53	Förster resonance energy transfer between Thioflavin T and unsymmetrical trimethine cyanine dyes on amyloid fibril scaffold. <i>Chemical Physics Letters</i> , 2021, 785, 139127.	2.6	5
54	Resonance energy transfer study of peptide–lipid complexes. <i>Biophysical Chemistry</i> , 2001, 92, 155-168.	2.8	4

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55	Fluorescence Spectroscopy of Protein Oligomerization in Membranes. Journal of Fluorescence, 2011, 21, 945-951.	2.5	4
56	The effect of lysozyme amyloid fibrils on cytochrome c-lipid interactions. Chemistry and Physics of Lipids, 2012, 165, 769-776.	3.2	4
57	Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. Journal of Fluorescence, 2013, 23, 1229-1237.	2.5	4
58	Location of Novel Benzanthrone Dyes in Model Membranes as Revealed by Resonance Energy Transfer. Journal of Fluorescence, 2014, 24, 899-907.	2.5	4
59	Fluorescence study on aggregated lysozyme and lipid bilayer interactions. Journal of Photochemistry and Photobiology B: Biology, 2012, 113, 51-55.	3.8	3
60	Fluorescence monitoring of the effect of oxidized lipids on the process of protein fibrillization. Methods and Applications in Fluorescence, 2016, 4, 034008.	2.3	3
61	Lipid bilayer interactions of Eu(III) tris- β^2 -diketonato coordination complex. Chemical Physics Letters, 2008, 457, 417-420.	2.6	2
62	Probing protein-lipid interactions by FRET between membrane fluorophores. Methods and Applications in Fluorescence, 2016, 4, 034014.	2.3	2
63	Liposomal Co-Encapsulation of Two Novel Europium Complexes and Doxorubicin: Fluorescence Study. Journal of Fluorescence, 2017, 27, 1359-1363.	2.5	2
64	Probing the interactions of novel europium coordination complexes with serum albumin. Luminescence, 2021, 36, 795-801.	2.9	2
65	FRET Analysis of Protein-Lipid Interactions. Springer Series on Fluorescence, 2012, , 115-140.	0.8	1
66	Lipid Bilayer Interactions of Amyloidogenic N-Terminal Fragment of Apolipoprotein A-I Probed by FRET Resonance Energy Transfer and Molecular Dynamics Simulations. Journal of Fluorescence, 2018, 28, 1037-1047.	2.5	1
67	Functionalization of insulin nanofibrils with fluorophores involved in cascade FRET resonance energy transfer. Molecular Systems Design and Engineering, 0, , .	3.4	0