

# Galyna P Gorbenko

## List of Publications by Year in descending order

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67  
papers

1,306  
citations

430442

18  
h-index

377514

34  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benanthrone dyes as mediators of cascade energy transfer in insulin amyloid fibrils. <i>Journal of Molecular Liquids</i> , 2021, 324, 115102.	2.3	16
2	Three-step Förster resonance energy transfer on an amyloid fibril scaffold. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14746-14754.	1.3	12
3	Probing the interactions of novel europium coordination complexes with serum albumin. <i>Luminescence</i> , 2021, 36, 795-801.	1.5	2
4	Förster resonance energy transfer between Thioflavin T and unsymmetrical trimethine cyanine dyes on amyloid fibril scaffold. <i>Chemical Physics Letters</i> , 2021, 785, 139127.	1.2	5
5	Probing the amyloid protein aggregates with unsymmetrical monocationic trimethine cyanine dyes. <i>Journal of Molecular Liquids</i> , 2020, 311, 113287.	2.3	14
6	Liposomes Integrated with Amyloid Hydrogels: a Novel Composite Drug Delivery Platform. <i>BioNanoScience</i> , 2020, 10, 446-454.	1.5	5
7	Association of novel monomethine cyanine dyes with bacteriophage MS2: A fluorescence study. <i>Journal of Molecular Liquids</i> , 2020, 302, 112569.	2.3	14
8	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.	2.0	9
9	Two-step FRET as a tool for probing the amyloid state of proteins. <i>Journal of Molecular Liquids</i> , 2019, 294, 111675.	2.3	14
10	Membrane interactions of fibrillar lysozyme: Effect of lipid bilayer composition. <i>Journal of Molecular Liquids</i> , 2019, 274, 338-344.	2.3	5
11	Cyanine dyes derived inhibition of insulin fibrillization. <i>Journal of Molecular Liquids</i> , 2019, 276, 541-552.	2.3	28
12	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.	2.0	11
13	Förster Resonance Energy Transfer Study of Cytochrome c-Lipid Interactions. <i>Journal of Fluorescence</i> , 2018, 28, 79-88.	1.3	6
14	Lipid Bilayer Interactions of Amyloidogenic N-Terminal Fragment of Apolipoprotein A-I Probed by Förster Resonance Energy Transfer and Molecular Dynamics Simulations. <i>Journal of Fluorescence</i> , 2018, 28, 1037-1047.	1.3	1
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	Liposomal Co-Encapsulation of Two Novel Europium Complexes and Doxorubicin: Fluorescence Study. <i>Journal of Fluorescence</i> , 2017, 27, 1359-1363.	1.3	2
17	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.	1.2	6
18	Novel benanthrone probes for membrane and protein studies. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034007.	1.1	18

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19	Probing protein-lipid interactions by FRET between membrane fluorophores. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034014.	1.1	2
20	Combined thioflavin T-Congo red fluorescence assay for amyloid fibril detection. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034010.	1.1	36
21	Fluorescence monitoring of the effect of oxidized lipids on the process of protein fibrillization. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 034008.	1.1	3
22	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.	2.0	15
23	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.	2.0	28
24	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.	1.3	22
25	Membrane Effects of N-Terminal Fragment of Apolipoprotein A-I: A Fluorescent Probe Study. <i>Journal of Fluorescence</i> , 2015, 25, 253-261.	1.3	7
26	FRET evidence for untwisting of amyloid fibrils on the surface of model membranes. <i>Soft Matter</i> , 2015, 11, 6223-6234.	1.2	11
27	Interactions of Lipid Membranes with Fibrillar Protein Aggregates. <i>Advances in Experimental Medicine and Biology</i> , 2015, 855, 135-155.	0.8	5
28	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.	1.5	19
29	Location of Novel Benzanthrone Dyes in Model Membranes as Revealed by Resonance Energy Transfer. <i>Journal of Fluorescence</i> , 2014, 24, 899-907.	1.3	4
30	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.	1.3	23
31	Fluorescence Investigation of Interactions Between Novel Benzanthrone Dyes and Lysozyme Amyloid Fibrils. <i>Journal of Fluorescence</i> , 2014, 24, 493-504.	1.3	15
32	Newly synthesized benzanthrone derivatives as prospective fluorescent membrane probes. <i>Journal of Luminescence</i> , 2014, 146, 307-313.	1.5	18
33	Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. <i>Journal of Fluorescence</i> , 2013, 23, 1229-1237.	1.3	4
34	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.	1.3	11
35	The effect of lysozyme amyloid fibrils on cytochrome c-lipid interactions. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 769-776.	1.5	4
36	Fluorescence study on aggregated lysozyme and lipid bilayer interactions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 113, 51-55.	1.7	3

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37	FRET Analysis of Protein-Lipid Interactions. Springer Series on Fluorescence, 2012, , 115-140.	0.8	1
38	Novel Benzanthrone Aminoderivatives for Membrane Studies. Journal of Fluorescence, 2012, 22, 953-959.	1.3	16
39	Membrane effects of lysozyme amyloid fibrils. Chemistry and Physics of Lipids, 2012, 165, 331-337.	1.5	17
40	Novel aminobenzanthrone dyes for amyloid fibril detection. Chemical Physics Letters, 2012, 532, 110-115.	1.2	17
41	Protein aggregation in a membrane environment. Advances in Protein Chemistry and Structural Biology, 2011, 84, 113-142.	1.0	26
42	Fluorescence Spectroscopy of Protein Oligomerization in Membranes. Journal of Fluorescence, 2011, 21, 945-951.	1.3	4
43	Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes. Journal of Fluorescence, 2011, 21, 1689-1695.	1.3	10
44	Effects of oligomeric lysozyme on structural state of model membranes. Biophysical Chemistry, 2011, 154, 73-81.	1.5	13
45	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
46	New fluorescent probes for detection and characterization of amyloid fibrils. Chemical Physics Letters, 2010, 495, 275-279.	1.2	34
47	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
48	Cytochrome c-Lipid Interactions: New Insights from Resonance Energy Transfer. Biophysical Journal, 2010, 99, 1754-1763.	0.2	31
49	First Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment. Journal of Physical Chemistry B, 2010, 114, 16773-16782.	1.2	6
50	A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. Journal of Fluorescence, 2009, 19, 1017-1023.	1.3	6
51	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
52	Electrostatically-controlled protein adsorption onto lipid bilayer: Modeling adsorbate aggregation behavior. Biophysical Chemistry, 2008, 133, 90-103.	1.5	8
53	Lipid bilayer interactions of Eu(III) tris- $\beta$ -diketonato coordination complex. Chemical Physics Letters, 2008, 457, 417-420.	1.2	2
54	Resonance energy transfer study of lysozyme-lipid interactions. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1213-1221.	1.4	17

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55	Binding of Lysozyme to Phospholipid Bilayers: Evidence for Protein Aggregation upon Membrane Association. <i>Biophysical Journal</i> , 2007, 93, 140-153.	0.2	129
56	Fluorescence study of protein-lipid complexes with a new symmetric squarylium probe. <i>Biophysical Chemistry</i> , 2007, 128, 75-86.	1.5	27
57	Cytochrome c Interaction with Cardiolipin/Phosphatidylcholine Model Membranes: Effect of Cardiolipin Protonation. <i>Biophysical Journal</i> , 2006, 90, 4093-4103.	0.2	69
58	A New Fluorescent Squaraine Probe for the Measurement of Membrane Polarity. <i>Journal of Fluorescence</i> , 2006, 16, 47-52.	1.3	22
59	Examining Protein-Lipid Interactions in Model Systems with a New Squarylium Fluorescent Dye. <i>Journal of Fluorescence</i> , 2006, 16, 547-554.	1.3	7
60	Tracing Lysozyme-Lipid Interactions with Long-Wavelength Squaraine Dyes. <i>Journal of Fluorescence</i> , 2006, 17, 65-72.	1.3	7
61	The role of lipid-protein interactions in amyloid-type protein fibril formation. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 72-82.	1.5	244
62	Lysozyme effect on structural state of model membranes as revealed by pyrene excimerization studies. <i>Biophysical Chemistry</i> , 2005, 114, 199-204.	1.5	52
63	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.	1.4	29
64	Effect of cholesterol on bilayer location of the class A peptide Ac-18A-NH <sub>2</sub> as revealed by fluorescence resonance energy transfer. <i>European Biophysics Journal</i> , 2003, 32, 703-709.	1.2	12
65	Cholesterol Modulates Interaction between an Amphipathic Class A Peptide, Ac-18A-NH <sub>2</sub> , and Phosphatidylcholine Bilayers. <i>Biochemistry</i> , 2002, 41, 4165-4172.	1.2	36
66	Resonance energy transfer study of peptide-lipid complexes. <i>Biophysical Chemistry</i> , 2001, 92, 155-168.	1.5	4
67	Functionalization of insulin nanofibrils with fluorophores involved in cascade Förster resonance energy transfer. <i>Molecular Systems Design and Engineering</i> , 0, , .	1.7	0