

Mykhaylo Yu Losytskyy

List of Publications by Year in descending order

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83
papers

1,550
citations

279798

23
h-index

361022

35
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83
all docs

83
docs citations

83
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent surface-plasmon-enhanced photoluminescence from silver nanoparticles embedded in silica. <i>Physical Review B</i> , 2009, 79, .	3.2	139
2	Fluorescent homodimer styrylcyanines: synthesis and spectral-luminescent studies in nucleic acids and protein complexes. <i>Dyes and Pigments</i> , 2005, 67, 47-54.	3.7	88
3	Specific fluorescent detection of fibrillar β -synuclein using mono- and trimethine cyanine dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1452-1459.	3.0	62
4	Interactions of cyanine dyes with nucleic acids. XXIV. Aggregation of monomethine cyanine dyes in presence of DNA and its manifestation in absorption and fluorescence spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 1525-1532.	3.9	53
5	Interaction of cyanine dyes with nucleic acids. XXI. Arguments for half-intercalation model of interaction. <i>Biopolymers</i> , 2001, 62, 219-227.	2.4	48
6	Interaction of cyanine dyes with nucleic acids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 3223-3232.	3.9	44
7	Interaction of cyanine dyes with nucleic acids. XVII. Towards an aggregation of cyanine dyes in solutions as a factor facilitating nucleic acid detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 805-814.	3.9	42
8	6,6'-Disubstituted benzothiazole trimethine cyanines – new fluorescent dyes for DNA detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 271-277.	3.9	40
9	Symmetric cyanine dyes for detecting nucleic acids. <i>Biotechnic and Histochemistry</i> , 2008, 83, 131-145.	1.3	39
10	Fluorescence of Styryl Dyes-DNA Complexes Induced by Single- and Two-Photon Excitation. <i>Journal of Fluorescence</i> , 2006, 16, 783-791.	2.5	37
11	Proteins and cyanine dyes. Part III. Synthesis and spectroscopic studies of benzothiazolo-4-[1,2,6-trimethylpyridinium] monomethine cyanine dyes for fluorescent detection of bovine serum albumin in solutions. <i>Dyes and Pigments</i> , 2001, 51, 41-49.	3.7	35
12	An interaction of the functionalized closo-borates with albumins: The protein fluorescence quenching and calorimetry study. <i>Journal of Luminescence</i> , 2016, 169, 51-60.	3.1	35
13	Interaction of cyanine dyes with nucleic acids. XVIII. Formation of the carbocyanine dye J-aggregates in nucleic acid grooves. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2705-2715.	3.9	34
14	Aza-substituted squaraines for the fluorescent detection of albumins. <i>Dyes and Pigments</i> , 2011, 90, 41-47.	3.7	33
15	Study of anti-fibrillogenic activity of iron(II) clathrochelates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1883-1888.	3.0	33
16	Tri- and Pentamethine Cyanine Dyes for Fluorescent Detection of β -Synuclein Oligomeric Aggregates. <i>Journal of Fluorescence</i> , 2012, 22, 1441-1448.	2.5	30
17	Styryl Dyes as Two-Photon Excited Fluorescent Probes for DNA Detection and Two-Photon Laser Scanning Fluorescence Microscopy of Living Cells. <i>Journal of Fluorescence</i> , 2010, 20, 865-872.	2.5	27
18	2-Quinolone and coumarin polymethines for the detection of proteins using fluorescence. <i>Dyes and Pigments</i> , 2010, 84, 159-164.	3.7	27

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19	Synthesis of novel fluorescent styryl dyes based on the imidazo[1,2-a]pyridinium chromophore and their spectral-fluorescent properties in the presence of nucleic acids and proteins. <i>Dyes and Pigments</i> , 2006, 68, 39-45.	3.7	26
20	The nature of the electronic excitations capturing centres in the DNA. <i>Journal of Molecular Liquids</i> , 2006, 127, 79-83.	4.9	25
21	Synthesis and spectral luminescent studies of novel 4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]thieno[2,3-d]pyrimidinium styryls as fluorescent dyes for biomolecules detection. <i>Dyes and Pigments</i> , 2007, 75, 25-31.	3.7	25
22	Interaction of the Iron(II) Cage Complexes With Proteins: Protein Fluorescence Quenching Study. <i>Journal of Fluorescence</i> , 2013, 23, 889-895.	2.5	25
23	Studies of Benzothiazole and Benzoselenazole Squaraines as Fluorescent Probes for Albumins Detection. <i>Journal of Fluorescence</i> , 2008, 18, 877-882.	2.5	24
24	Surface plasmon enhanced photoluminescence from copper nanoparticles: Influence of temperature. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	21
25	Fluorescent Properties of Pentamethine Cyanine Dyes with Cyclopentene and Cyclohexene Group in Presence of Biological Molecules. <i>Journal of Fluorescence</i> , 2005, 15, 849-857.	2.5	20
26	The impact of binding of macrocyclic metal complexes on amyloid fibrillization of insulin and lysozyme. <i>Journal of Molecular Recognition</i> , 2017, 30, e2622.	2.1	20
27	Electronic Excitation Energy Transfer in DNA. Nature of Triplet Excitations Capturing Centers. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 467, 311-323.	0.9	19
28	Mono and Trimethine Cyanines Cyan 40 and Cyan 2 as Probes for Highly Selective Fluorescent Detection of Non-canonical DNA Structures. <i>Journal of Fluorescence</i> , 2011, 21, 223-230.	2.5	19
29	Studies of anti-fibrillogenic activity of phthalocyanines of zirconium containing out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 330-334.	3.0	19
30	Davydov Splitting in Spectra of Cyanine Dye J-Aggregates, Formed on the Polynucleotides. <i>Journal of Fluorescence</i> , 2002, 12, 109-112.	2.5	18
31	The Mechanism of Benzothiazole Styrylcyanine Dyes Binding with dsDNA: Studies by Spectral-Luminescent Methods. <i>Journal of Fluorescence</i> , 2008, 18, 139-147.	2.5	18
32	Fluorescent labeling of proteins with amine-specific 1,3,2-(2H)-dioxaborine polymethine dye. <i>Analytical Biochemistry</i> , 2012, 420, 115-120.	2.4	18
33	Studies of monomeric and homodimeric oxazolo[4,5-b]pyridinium cyanine dyes as fluorescent probes for nucleic acids visualization. <i>Journal of Proteomics</i> , 2006, 68, 155-165.	2.4	17
34	Trimethine cyanine dyes as fluorescent probes for amyloid fibrils: The effect of N,N ^ε -substituents. <i>Analytical Biochemistry</i> , 2015, 484, 9-17.	2.4	17
35	Induced chirality of cage metal complexes switched by their supramolecular and covalent binding. <i>Dalton Transactions</i> , 2018, 47, 1036-1052.	3.3	17
36	Temperature Dependence of Photoluminescence from Silver Nanoparticles. <i>Plasmonics</i> , 2014, 9, 93-101.	3.4	16

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37	Two-Photon Excited Luminescent Styryl Dyes as Probes for the DNA Detection and Imaging. Photostability and Phototoxic Influence on DNA. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 467, 325-338.	0.9	15
38	Hydroxy and Methoxy Substituted Thiocarbocyanines for Fluorescent Detection of Amyloid Formations. <i>Journal of Fluorescence</i> , 2011, 21, 775-784.	2.5	15
39	Design of functionalized β -ketoenole derivatives as efficient fluorescent dyes for detection of amyloid fibrils. <i>New Journal of Chemistry</i> , 2018, 42, 13308-13318.	2.8	15
40	Induced CD of iron(II) clathrochelates: sensing of the structural and conformational alterations of serum albumins. <i>Metallomics</i> , 2019, 11, 338-348.	2.4	15
41	Nonradiative deactivation of the electronic excitation energy in cyanine dyes: influence of binding to DNA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2002, 67, 57-63.	3.8	14
42	Luminescence spectroscopic studies of trimethinecyanines substituted in polymethine chain with nucleic acids and proteins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 129-136.	3.9	14
43	Photoluminescence of rhodamine 6G in plasmonic field of Au nanoparticles: Temperature effects. <i>Journal of Luminescence</i> , 2015, 158, 294-300.	3.1	13
44	Dicarboxyl-terminated iron(II) clathrochelates as ICD-reporters for globular proteins. <i>RSC Advances</i> , 2019, 9, 24218-24230.	3.6	13
45	Fluorescent β -ketoenole AmyGreen dye for visualization of amyloid components of bacterial biofilms. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035006.	2.3	13
46	Novel, Monomeric Cyanine Dyes as Reporters for DNA Helicase Activity. <i>Journal of Fluorescence</i> , 2007, 17, 671-685.	2.5	12
47	Studies of Interaction Between Cyanine Dye T-284 and Fibrillar Alpha-Synuclein. <i>Journal of Fluorescence</i> , 2010, 20, 1267-1274.	2.5	12
48	Interaction of cyanine dyes with nucleic acids. 7. Carbocyanine dyes, substituted in polymethine chain, as possible probes for fluorescent nucleic acid detection. <i>Biopolymers and Cell</i> , 2001, 17, 169-177.	0.4	12
49	Towards the anti-fibrillogenic activity of phthalocyanines with out-of-plane ligands: correlation with self-association proneness. <i>Biopolymers and Cell</i> , 2013, 29, 473-479.	0.4	11
50	Anti-fibrillogenic properties of phthalocyanines: Effect of the out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6918-6923.	3.0	11
51	Effective binding of perhalogenated closo-borates to serum albumins revealed by spectroscopic and ITC studies. <i>Journal of Molecular Structure</i> , 2017, 1141, 75-80.	3.6	11
52	Sensing of Proteins by ICD Response of Iron(II) Clathrochelates Functionalized by Carboxyalkylsulfide Groups. <i>Biomolecules</i> , 2020, 10, 1602.	4.0	11
53	β -ketoenole dyes: Synthesis and study as fluorescent sensors for protein amyloid aggregates. <i>Dyes and Pigments</i> , 2016, 132, 274-281.	3.7	10
54	Synthesis and spectral characterization of the first fluorescein-tagged iron(II) clathrochelates, their supramolecular interactions with globular proteins, and cellular uptake. <i>RSC Advances</i> , 2021, 11, 8163-8177.	3.6	10

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55	Energy Transfer in Ce _{0.85} Tb _{0.15} F ₃ Nanoparticles-CTAB Shell-Chlorin e6 System. <i>Nanoscale Research Letters</i> , 2017, 12, 294.	5.7	8
56	Study of tetraphenylporphyrins as modifiers of insulin amyloid aggregation. <i>Journal of Molecular Recognition</i> , 2020, 33, e2811.	2.1	8
57	Modification of insulin amyloid aggregation by Zr phthalocyanines functionalized with dehydroacetic acid derivatives. <i>PLoS ONE</i> , 2021, 16, e0243904.	2.5	8
58	Activity of Zn and Mg phthalocyanines and porphyrazines in amyloid aggregation of insulin. <i>Journal of Molecular Recognition</i> , 2018, 31, e2660.	2.1	7
59	The interaction of cyanine dyes with nucleic acids. 12. Novel monomethyne cyanines based on the 5,6-methylenedioxy-benzothiazole and spectral-luminescent properties of their complexes with nucleic acids. <i>Biopolymers and Cell</i> , 2000, 16, 562-572.	0.4	7
60	Optical Biomedical Diagnostics: Sensors with Optical Response Based on Two-Photon Excited Luminescent Dyes for Biomolecules Detection. <i>Advances in Optical Technologies</i> , 2008, 2008, 1-11.	0.8	6
61	The manifestation of optical centers in UV-Vis absorption and luminescence spectra of white blood human cells. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 044010.	2.3	6
62	Polystyrene-diphenyloxazole-chlorin e ₆ nanosystem for PDT: Energy transfer study. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 639, 169-176.	0.9	6
63	Interaction of cyanine dyes with nucleic acids. 14. Spectral peculiarities of several monomethyne benzothiazole cyanine dyes and their interaction with DNA. <i>Biopolymers and Cell</i> , 2000, 16, 345-355.	0.4	6
64	Uptake of Chlorin e6 Photosensitizer by Polystyrene-Diphenyloxazole-Poly(N-Isopropylacrylamide) Hybrid Nanosystem Studied by Electronic Excitation Energy Transfer. <i>Nanoscale Research Letters</i> , 2018, 13, 166.	5.7	5
65	Interaction of cyanine dyes with nucleic acids. 22. Spectral-luminescent properties of monomethyne pyrylium and pyrimidinium cyanines and their DNA-complexes. <i>Biopolymers and Cell</i> , 2001, 17, 242-248.	0.4	5
66	Development of a quantitative structure activity relations (QSAR) model to guide the design of fluorescent dyes for detecting amyloid fibrils. <i>Biotechnic and Histochemistry</i> , 2014, 89, 1-7.	1.3	4
67	Effect of Polyacrylamide and Dextran-Polyacrylamide Graft Polymers on Absorption and Fluorescence Spectra of Hematoporphyrin. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 589, 226-231.	0.9	4
68	Interaction of cyanine dyes with nucleic acids. Meso-methylsubstituted trimethincyanines, as possible probes for fluorescent nucleic acid detection. <i>Biopolymers and Cell</i> , 2001, 17, 448-454.	0.4	4
69	The optical biomedical sensors for DNA detection and imaging based on two-photon excited luminescent styryl dyes: phototoxic influence on the DNA. <i>Proceedings of SPIE</i> , 2007, , .	0.8	3
70	Experimental Approach Using Covalently Attached Fluorophore for Quantification of Oligonucleotide Immobilization on Gold Nanoparticles. <i>Colloids and Interface Science Communications</i> , 2014, 1, 35-38.	4.1	3
71	Energy Transfer in Polystyrene Nanoparticles with Encapsulated 2,5-Diphenyloxazole. <i>French-Ukrainian Journal of Chemistry</i> , 2015, 3, 119-124.	0.4	3
72	Interaction of cyanine dyes with nucleic acids. New (pyrido)(thio)trimethincyanine dye CCyan 40 for fluorescent labeling of oligonucleotides. <i>Biopolymers and Cell</i> , 2002, 18, 340-346.	0.4	3

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73	Influence of Surface-Active Stabilizers on Porphyrin " Gold Nanoparticles Absorption and Fluorescence. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 536, 17/[249]-23/[255].	0.9	2
74	Sensing the temperature influence on plasmonic field of metal nanoparticles by photoluminescence of fullerene C60 in layered C60/Au system. <i>Journal of Applied Physics</i> , 2015, 117, 153102.	2.5	2
75	Characterization of the Interaction between Phthalocyanine and Amyloid Fibrils by Surface-Enhanced Raman Scattering (SERS). <i>Analytical Letters</i> , 2018, 51, 221-228.	1.8	2
76	Metal-enhanced fluorescence of the trimethine cyanine dyes complexed with amyloid fibrils. <i>Journal of Luminescence</i> , 2018, 204, 209-215.	3.1	2
77	Interaction of cyanine dyes with nucleic acids. 9. The study of spectral properties of cyanine dyes-DNA complexes in the presence of organic solvents. <i>Biopolymers and Cell</i> , 2000, 16, 75-81.	0.4	2
78	N-alkylaryl styrylcyanine dyes as fluorescent probes for nucleic acids detection. <i>Biopolymers and Cell</i> , 2018, 34, 374-386.	0.4	2
79	Different effect of polymer-incorporated nanoparticles of Au and Ag on hematoporphyrin interaction with graft polymers. <i>Functional Materials</i> , 2019, 26, 107-113.	0.1	2
80	Some peculiarities of spectral properties of leukocytes. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 642, 81-88.	0.9	1
81	The mechanism of interaction of monomethine cyanine dye Cyan 40 with dsDNA: computer modelling. <i>Biopolymers and Cell</i> , 2003, 19, 93-98.	0.4	1
82	Application of MALDI-TOF mass spectrometry for study on fibrillar and oligomeric aggregates of alpha-synuclein. <i>Biopolymers and Cell</i> , 2014, 30, 190-196.	0.4	1
83	Fluorescent Detection of a Partially Unfolded Conformation of Beta-Lactoglobulin Using Squaraine Dyes. <i>Macromolecular Symposia</i> , 2014, 335, 43-50.	0.7	0