

Elena V Kudryashova

List of Publications by Year in descending order

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60
papers

1,281
citations

471061

17
h-index

500791

28
g-index

65
all docs

65
docs citations

65
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer simulation of the Receptor–Ligand Interactions of Mannose Receptor CD206 in Comparison with the Lectin Concanavalin A Model. <i>Biochemistry (Moscow)</i> , 2022, 87, 54-69.	0.7	15
2	Improved Enzymatic Assay and Inhibition Analysis of Redox Membranotropic Enzymes, AtGALDH and TcGAL, Using a Reversed Micellar System. <i>Analytica—A Journal of Analytical Chemistry and Chemical Analysis</i> , 2022, 3, 36-53.	0.8	5
3	Cholesterol Significantly Affects the Interactions between Pirfenidone and DPPC Liposomes: Spectroscopic Studies. <i>Biophysica</i> , 2022, 2, 79-88.	0.6	3
4	Improvement of Biocatalytic Properties and Cytotoxic Activity of L-Asparaginase from <i>Rhodospirillum rubrum</i> by Conjugation with Chitosan-Based Cationic Polyelectrolytes. <i>Pharmaceutics</i> , 2022, 15, 406.	1.7	9
5	Spectroscopy Approach for Highly-Efficient Screening of Lectin-Ligand Interactions in Application for Mannose Receptor and Molecular Containers for Antibacterial Drugs. <i>Pharmaceutics</i> , 2022, 15, 625.	1.7	13
6	Plant Alkylbenzenes and Terpenoids in the Form of Cyclodextrin Inclusion Complexes as Antibacterial Agents and Levofloxacin Synergists. <i>Pharmaceutics</i> , 2022, 15, 861.	1.7	15
7	The formation of quasi-regular polymeric network of cross-linked sulfobutyl ether derivative of β -cyclodextrin synthesized with moxifloxacin as a template. <i>Reactive and Functional Polymers</i> , 2021, 159, 104811.	2.0	15
8	Phosphatidylinositol Stabilizes Fluid-Phase Liposomes Loaded with a Melphalan Lipophilic Prodrug. <i>Pharmaceutics</i> , 2021, 13, 473.	2.0	17
9	Experimental Methods to Study the Mechanisms of Interaction of Lipid Membranes with Low-Molecular-Weight Drugs. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 480-497.	0.3	9
10	Physical and Chemical Properties of the Guest–Host Inclusion Complexes of Cyprofloxacin with β -Cyclodextrin Derivatives. <i>Moscow University Chemistry Bulletin</i> , 2020, 75, 218-224.	0.2	9
11	A Spectral Approach to Study Interaction between Chitosan Modified with Mannose and Concanavalin A for the Creation of Address Delivery Systems of Antituberculosis Drugs. <i>Moscow University Chemistry Bulletin</i> , 2020, 75, 213-217.	0.2	10
12	Regulation of Properties of Lipid Membranes by Interaction with 2-Hydroxypropyl β -Cyclodextrin: Molecular Details. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 692-701.	0.3	11
13	Effect of cross-linking on the inclusion complex formation of derivatized β -cyclodextrins with small-molecule drug moxifloxacin. <i>Carbohydrate Research</i> , 2020, 498, 108183.	1.1	17
14	Moxifloxacin interacts with lipid bilayer, causing dramatic changes in its structure and phase transitions. <i>Chemistry and Physics of Lipids</i> , 2020, 228, 104891.	1.5	19
15	FTIR-based L-asparaginase activity assay enables continuous measurements in optically dense media including blood plasma. <i>Analytical Biochemistry</i> , 2020, 598, 113694.	1.1	3
16	Magnetic nanorods for remote disruption of lipid membranes by non-heating low frequency magnetic field. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102065.	1.7	15
17	Targeted delivery of anti-tuberculosis drugs to macrophages: targeting mannose receptors. <i>Russian Chemical Reviews</i> , 2018, 87, 374-391.	2.5	27
18	In Situ Observation of Chymotrypsin Catalytic Activity Change Actuated by Nonheating Low-Frequency Magnetic Field. <i>ACS Nano</i> , 2018, 12, 3190-3199.	7.3	33

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19	Regulation of Catalytic Activity of Recombinant L-Asparaginase from <i>Rhodospirillum rubrum</i> by Conjugation with a PEG-Chitosan Copolymer. <i>Moscow University Chemistry Bulletin</i> , 2018, 73, 185-191.	0.2	7
20	Physicochemical Properties of the Inclusion Complex of Moxifloxacin with Hydroxypropyl- β -Cyclodextrin Synthesized by RESS. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 1193-1204.	0.2	11
21	Adsorption Properties of Mesoporous Silica Gel with β -Cyclodextrin as a Pore-Forming Agent Relative to Moxifloxacin. <i>Moscow University Chemistry Bulletin</i> , 2018, 73, 192-198.	0.2	2
22	The Effect of Molecular Architecture of Sulfobutyl Ether β -Cyclodextrin Nanoparticles on Physicochemical Properties of Complexes with Moxifloxacin. <i>Colloid Journal</i> , 2018, 80, 312-319.	0.5	13
23	PEG-Chitosan as a Perspective Stabilizing Agent for Liposomal Suspensions: The Influence of the Molecular Weight and Degree of PEGylation on the Physicochemical Properties of the Complex. <i>Moscow University Chemistry Bulletin</i> , 2018, 73, 69-73.	0.2	3
24	Drug delivery systems for fluoroquinolones: New prospects in tuberculosis treatment. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 487-501.	0.3	23
25	A study of the physicochemical properties and structure of moxifloxacin complex with methyl- β -cyclodextrin. <i>Colloid Journal</i> , 2017, 79, 668-676.	0.5	14
26	Thermodynamics and molecular insight in guest-host complexes of fluoroquinolones with β -cyclodextrin derivatives, as revealed by ATR-FTIR spectroscopy and molecular modeling experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6451-6462.	1.9	39
27	Moxifloxacin Micronization via Supercritical Antisolvent Precipitation. <i>Russian Journal of Physical Chemistry B</i> , 2017, 11, 1153-1162.	0.2	12
28	Structure and stability of fluoroquinolone-(2-hydroxypropyl)- β -cyclodextrin complexes as perspective antituberculosis drugs. <i>Moscow University Chemistry Bulletin</i> , 2016, 71, 1-6.	0.2	11
29	The formation of conjugates with PEG-chitosan improves the biocatalytic efficiency and antitumor activity of L-asparaginase from <i>Erwinia carotovora</i> . <i>Moscow University Chemistry Bulletin</i> , 2016, 71, 122-126.	0.2	6
30	Novel Prodrug of Doxorubicin Modified by Stearoylspermine Encapsulated into PEG-Chitosan-Stabilized Liposomes. <i>Langmuir</i> , 2016, 32, 10861-10869.	1.6	33
31	Effect of glycol chitosan on functional and structural properties of anionic liposomes. <i>Moscow University Chemistry Bulletin</i> , 2016, 71, 167-171.	0.2	4
32	Chiral Heteroditopic Baskets Designed from Triazolated Calixarenes and Short Peptides. <i>Chemistry - A European Journal</i> , 2016, 22, 12415-12423.	1.7	16
33	Lytic enzymes of staphylococcal phages: Correlation between secondary structure and stability. <i>Moscow University Chemistry Bulletin</i> , 2016, 71, 7-11.	0.2	1
34	Micronization of levofloxacin by supercritical antisolvent precipitation. <i>Russian Journal of Physical Chemistry B</i> , 2016, 10, 1201-1210.	0.2	11
35	New versatile approach for analysis of PEG content in conjugates and complexes with biomacromolecules based on FTIR spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 36-43.	2.5	75
36	Reagent-free L-asparaginase activity assay based on CD spectroscopy and conductometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1183-1189.	1.9	14

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37	Bacterial recombinant L-asparaginases: Properties, structure, and anti-proliferative activity. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2015, 9, 325-338.	0.2	5
38	PEG-chitosan and glycol-chitosan for improvement of biopharmaceutical properties of recombinant L-asparaginase from <i>Erwinia carotovora</i> . <i>Biochemistry (Moscow)</i> , 2015, 80, 113-119.	0.7	18
39	Cross-linking as a tool for enhancement of transfection efficiency of cationic vectors. <i>European Polymer Journal</i> , 2015, 69, 110-120.	2.6	5
40	Structure and stability of anionic liposomes complexes with PEG-chitosan branched copolymer. <i>Russian Journal of Bioorganic Chemistry</i> , 2014, 40, 547-557.	0.3	24
41	Application of PEG-chitosan copolymers for regulation of catalytic properties of enzymes for medical application using recombinant <i>Erwinia carotovora</i> L-asparaginase as an example. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2014, 8, 252-259.	0.2	8
42	Galactonolactone oxidoreductase from <i>Trypanosoma cruzi</i> employs a FAD cofactor for the synthesis of vitamin C. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 545-552.	1.1	14
43	Regulation of acid phosphatase in reverse micellar system by lipids additives: Structural aspects. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 490-497.	5.0	7
44	Regulation of catalytic activity of acid phosphatase by lipids in a reverse micellar system. <i>Biochemistry (Moscow)</i> , 2009, 74, 342-349.	0.7	3
45	Monomer Formation and Function of <i>p</i> -Hydroxybenzoate Hydroxylase in Reverse Micelles and in Dimethylsulfoxide/Water Mixtures. <i>ChemBioChem</i> , 2008, 9, 413-419.	1.3	9
46	Modulation of the adsorption properties at air-water interfaces of complexes of egg white ovalbumin with pectin by the dielectric constant. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 430-439.	5.0	12
47	Molecular Details of Ovalbumin-Pectin Complexes at the Air/Water Interface: A Spectroscopic Study. <i>Langmuir</i> , 2007, 23, 7942-7950.	1.6	34
48	Reversible self-association of ovalbumin at air-water interfaces and the consequences for the exerted surface pressure. <i>Protein Science</i> , 2005, 14, 483-493.	3.1	37
49	Protein adsorption at air-water interfaces: A combination of details. <i>Biopolymers</i> , 2004, 74, 131-135.	1.2	51
50	Structure and dynamics of egg white ovalbumin adsorbed at the air/water interface. <i>European Biophysics Journal</i> , 2003, 32, 553-562.	1.2	53
51	Solubilization and refolding of inclusion body proteins in reverse micelles. <i>Analytical Biochemistry</i> , 2003, 320, 234-238.	1.1	25
52	Stabilization and activation of β -chymotrypsin in water-organic solvent systems by complex formation with oligoamines. <i>Protein Engineering, Design and Selection</i> , 2003, 16, 303-309.	1.0	16
53	Chemical Modification Causes Similar Change in Dependence on Water Activity of Chymotrypsin Hydration and Catalysis in Hexane. <i>Biocatalysis and Biotransformation</i> , 2002, 20, 161-166.	1.1	6
54	Formation of quasi-regular compact structure of poly(methacrylic acid) upon an interaction with β -chymotrypsin. <i>BBA - Proteins and Proteomics</i> , 2001, 1550, 129-143.	2.1	12

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55	The chemical modification of $\hat{I}\pm$ -chymotrypsin with both hydrophobic and hydrophilic compounds stabilizes the enzyme against denaturation in water-organic media. Protein Engineering, Design and Selection, 2001, 14, 683-689.	1.0	40
56	Application of high hydrostatic pressure for increasing activity and stability of enzymes. , 2000, 52, 320-331.		196
57	Catalytic activity of thermolysin under extremes of pressure and temperature: modulation by metal ions. BBA - Proteins and Proteomics, 1998, 1386, 199-210.	2.1	26
58	Enzyme-polyelectrolyte complexes in water-ethanol mixtures: Negatively charged groups artificially introduced into $\hat{I}\pm$ -chymotrypsin provide additional activation and stabilization effects. , 1997, 55, 267-277.		73
59	Stability of γ -chymotrypsin conjugated with poly (ethylene glycols) and propanols at high temperature and in watercosolvent mixtures. Biotechnology Letters, 1996, 10, 849-854.	0.5	12
60	Enzyme-polyelectrolyte noncovalent complexes as catalysts for reactions in binary mixtures of polar organic solvents with water. Biotechnology Letters, 1995, 17, 1329.	1.1	22