Tat'yana N Pashirova

List of Publications by Year
in descending order

65 papers	1,267 citations	430843 18 h-index	395678 33 g-index
66 all docs	66 docs citations	66 times ranked	1212 citing authors

#	Article	IF	Citations
1	Kinetic Processes in Enzymatic Nanoreactors for In Vivo Detoxification. Biomedicines, 2022, 10, 784.	3.2	6
2	Enzyme Nanoreactor for In Vivo Detoxification of Organophosphates. ACS Applied Materials & Interfaces, 2022, , .	8.0	9
3	Biosurfactants: Properties and Applications in Drug Delivery, Biotechnology and Ecotoxicology. Bioengineering, 2021, 8, 115.	3.5	64
4	Therapeutic nanoreactors for detoxification of xenobiotics: Concepts, challenges and biotechnological trends with special emphasis to organophosphate bioscavenging. Chemico-Biological Interactions, 2021, 346, 109577.	4.0	10
5	Rational Design 2-Hydroxypropylphosphonium Salts as Cancer Cell Mitochondria-Targeted Vectors: Synthesis, Structure, and Biological Properties. Molecules, 2021, 26, 6350.	3.8	9
6	Synthesis, structure-activity relationship and biological evaluation of tetracationic gemini Dabco-surfactants for transdermal liposomal formulations. International Journal of Pharmaceutics, 2020, 575, 118953.	5.2	29
7	Selfâ€Assembled Quaternary Ammoniumâ€Containing Combâ€Like Polyelectrolytes for the Hydrolysis of Organophosphorous Esters: Effect of Head Groups and Counterâ€Ions. ChemPlusChem, 2020, 85, 1939-1948.	2.8	8
8	Surface modification of pralidoxime chloride-loaded solid lipid nanoparticles for enhanced brain reactivation of organophosphorus-inhibited AChE: Pharmacokinetics in rat. Toxicology, 2020, 444, 152578.	4.2	14
9	Development and Characterization of Biointeractive Gelatin Wound Dressing Based on Extract of Punica granatum Linn. Pharmaceutics, 2020, 12, 1204.	4.5	15
10	Bi-functional sterically hindered phenol lipid-based delivery systems as potential multi-target agents against Alzheimer's disease via an intranasal route. Nanoscale, 2020, 12, 13757-13770.	5.6	19
11	Design and synthesis of amphiphilic 2-hydroxybenzylphosphonium salts with antimicrobial and antitumor dual action. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127234.	2.2	19
12	Delivery nanosystems based on sterically hindered phenol derivatives containing a quaternary ammonium moiety: Synthesis, cholinesterase inhibition and antioxidant activity. Chemico-Biological Interactions, 2019, 310, 108753.	4.0	16
13	Cationic Surfactants: Self-Assembly, Structure-Activity Correlation and Their Biological Applications. International Journal of Molecular Sciences, 2019, 20, 5534.	4.1	88
14	Nontoxic antimicrobial micellar systems based on mono- and dicationic Dabco-surfactants and furazolidone: Structure-solubilization properties relationships. Journal of Molecular Liquids, 2019, 296, 112062.	4.9	16
15	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). Applied Sciences (Switzerland), 2019, 9, 4438.	2.5	43
16	New evidence for dual binding site inhibitors of acetylcholinesterase as improved drugs for treatment of Alzheimer's disease. Neuropharmacology, 2019, 155, 131-141.	4.1	67
17	Tunable amphiphilic Ï€-systems based on isatin derivatives containing a quaternary ammonium moiety: The role of alkyl chain length in biological activity. Journal of Molecular Liquids, 2019, 290, 111220.	4.9	16
18	Multi-targeted approach by 2-benzimidazolylquinoxalines-loaded cationic arginine liposomes against Ñervical cancer cells in vitro. Colloids and Surfaces B: Biointerfaces, 2019, 178, 317-328.	5.0	8

#	Article	IF	Citations
19	Nanoparticle Delivery Systems in the Treatment of Diabetes Complications. Molecules, 2019, 24, 4209.	3.8	114
20	A new surfactantâ€“copper(<scp>ii</scp>) complex based on 1,4-diazabicyclo[2.2.2]octane amphiphile. Crystal structure determination, self-assembly and functional activity. Physical Chemistry Chemical Physics, 2018, 20, 12688-12699.	2.8	15
21	Combination delivery of two oxime-loaded lipid nanoparticles: Time-dependent additive action for prolonged rat brain protection. Journal of Controlled Release, 2018, 290, 102-111.	9.9	28
22	Synthesis, biological evaluation and structure-activity relationships of self-assembled and solubilization properties of amphiphilic quaternary ammonium derivatives of quinuclidine. Journal of Molecular Liquids, 2018, 272, 722-730.	4.9	15
23	Self-assembled quaternary ammonium surfactants for pharmaceuticals and biotechnology. , 2018, , 601-618.		9
24	Mixed cationic liposomes for brain delivery of drugs by the intranasal route: The acetylcholinesterase reactivator 2-PAM as encapsulated drug model. Colloids and Surfaces B: Biointerfaces, 2018, 171, 358-367.	5.0	64
25	Nanoparticle-Delivered 2-PAM for Rat Brain Protection against Paraoxon Central Toxicity. ACS Applied Materials & Interfaces, 2017, 9, 16922-16932.	8.0	46
26	Drug delivery mediated by confined nanosystems: structure-activity relations and factors responsible for the efficacy of formulations. , 2017, , 749-806.		6
27	Complexes of 1-hexadecyl-4-aza-1-azoniabicyclo[2.2.2]octane bromide with transition metal nitrates. Micelle-forming, solubilizing, and adsorption properties. Colloid Journal, 2017, 79, 621-629.	1.3	15
28	Synthesis, Self-Association, and Solubilizing Ability of an Amphiphilic Derivative of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.8	1
29	Nanoscale isoindigo-carriers: self-assembly and tunable properties. Beilstein Journal of Nanotechnology, 2017, 8, 313-324.	2.8	5
30	Supramolecular strategy of the encapsulation of low-molecular-weight food ingredients. , 2016, , 295-362.		9
31	Supramolecular systems based on polyethyleneimines and octa-2-hydroxyethylated calix[4]resorcinarenes. Aggregation and catalytic activity. Russian Chemical Bulletin, 2016, 65, 1272-1277.	1.5	2
32	Complex of 1-hexadecyl-4-aza-1-azoniabicyclo[2.2.2]octane bromide with copper dibromide: structure, aggregation, and biological activity. Russian Chemical Bulletin, 2016, 65, 1365-1371.	1.5	10
33	Self-assembly strategy for the design of soft nanocontainers with controlled properties. Mendeleev Communications, 2016, 26, 457-468.	1.6	64
34	Polymerized micelles based on poly-11-(acryloylamino)undecanoic acid: aggregation properties and influence on the hydrolysis rate of phosphorous acid esters. Russian Chemical Bulletin, 2016, 65, 268-272.	1.5	1
35	Development of Gel-Core Solid Lipid Nanoparticles as Drug Delivery Systems for Hydrophilic Molecules. Current Nanoscience, 2016, 12, 598-604.	1.2	2
36	Supramolecular catalytic systems based on 1, 4-diazabicyclo[2.2.2]octane, its alkylated quaternary derivatives, and lanthanum nitrate. Russian Chemical Bulletin, 2015, 64, 2690-2696.	1.5	4

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37	Catalytic properties of polymer-colloid complexes based on polyethyleneimines and mono- and diquaternized 1,4-diazabicyclo[2.2.2]octane derivatives in the hydrolysis of phosphorus acids esters. Russian Chemical Bulletin, 2015, 64, 2879-2884.	1.5	11
38	Self-assembling systems based on diquaternized derivatives of 1,4-diazabicyclo[2.2.2]octane. Journal of Molecular Liquids, 2015, 210, 136-142.	4.9	13
39	Self-assembling systems based on quaternized derivatives of 1,4-diazabicyclo[2.2.2]octane in nutrient broth as antimicrobial agents and carriers for hydrophobic drugs. Colloids and Surfaces B: Biointerfaces, 2015, 127, 266-273.	5.0	38
40	Supramolecular systems based on polyethyleneimines and quaternized derivatives of 1,4-diazabicyclo[2.2.2]octane. Journal of Structural Chemistry, 2014, 55, 1541-1547.	1.0	1
41	Novel isoindigo derivatives bearing long-chain N-alkyl substituents: Synthesis and self-assemble behavior. Chemical Physics Letters, 2014, 594, 69-73.	2.6	10
42	Amphiphilic O-functionalized calix[4]resocinarenes with tunable structural behavior. RSC Advances, 2014, 4, 9912.	3.6	18
43	Self-assembly of symmetrical and dissymmetrical dicationic surfactants in the solid phase and in solution. Russian Chemical Bulletin, 2014, 63, 68-75.	1.5	7
44	Supramolecular systems based on calix[4]resorcine with mono-, di-, and tetracationic surfactants: Synergetic structural and solubilization behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 448, 67-72.	4.7	20
45	A Supramolecular Amphiphile Based on Calix[4]resorcinarene and Cationic Surfactant for Controlled Self-Assembly. Journal of Physical Chemistry C, 2013, 117, 20280-20288.	3.1	38
46	Supramolecular catalytic systems based on alkylated diquaternary 1,4-diazabicyclo[2.2.2]octane derivatives. Kinetics and Catalysis, 2013, 54, 552-558.	1.0	6
47	Alkylated 1,4-diazabicyclo[2.2.2]octanes: self-association, catalytic properties, and biological activity. Russian Chemical Bulletin, 2012, 61, 113-120.	1.5	37
48	Supramolecular systems based on aminomethylated calix[4]resorcinarene and a cationic surfactant: Catalysts of the hydrolysis of esters of phosphorus acids. Russian Journal of Physical Chemistry A, 2012, 86, 200-204.	0.6	9
49	Micellization of alkylated 1.4-diazabicyclo[2.2.2]octane by nuclear magnetic resonance technique using pulsed gradient of static magnetic field. Journal of Molecular Liquids, 2012, 167, 89-93.	4.9	17
50	Novel self-assembling system based on resorcinarene and cationic surfactant. Physical Chemistry Chemical Physics, 2011, 13, 15891.	2.8	39
51	Catalytic properties of micellar systems based on 4-aza-1-alkyl-1-azoniabicyclo[2.2.2]octane bromides. Kinetics and Catalysis, 2011, 52, 179-185.	1.0	23
52	Micellar and liquid-crystalline properties of bicyclic fragment-containing cationic surfactant. Colloid Journal, 2010, 72, 764-770.	1.3	10
53	Supramolecular systems based on 1-alkyl-4-aza-1-azoniabicyclo[2.2.2]octane bromides. Russian Chemical Bulletin, 2010, 59, 1745-1752.	1.5	40
54	Aggregation behavior and catalytic properties of systems based on aminomethylated calix[4]resorcinarenes and poly(ethylene) imines. Russian Journal of General Chemistry, 2008, 78, 402-409.	0.8	9

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55	Systems based on the hydrophobically modified poly(ethylene imines) and surfactants: Aggregation and catalysis. Colloid Journal, 2008, 70, 317-326.	1.3	5
56	Supramolecular systems based on poly(ethyleneimines) and calix[4]resorcinarenes with alkylphosphonate fragments. Aggregation and catalytic activity. Russian Chemical Bulletin, 2007, 56, 959-966.	1.5	4
57	Effect of structural preorganization on the reactivity of carbazoylmethyl derivatives of pyrogallol and calix[4]pyrogallol. Russian Chemical Bulletin, 2007, 56, 2394-2399.	1.5	3
58	Calix[4]resorcinolarenes with alkylphosphonic fragments: Protolytic properties and interaction with lanthanum(III). Russian Journal of General Chemistry, 2006, 76, 206-210.	0.8	0
59	Synthesis and aggregation properties of novel amino acetals with the calix[4]resorcinol platform. Russian Chemical Bulletin, 2006, 55, 920-924.	1.5	4
60	Supramolecular systems formed by calix[4]resorcinarenes and surfactants in chlorophorm. Journal of Structural Chemistry, 2005, 46, S70-S75.	1.0	1
61	Aggregation behavior and catalytic activity of systems based on calix[4]resorcinarene derivatives and surfactants. 1. Mixed micellization of aminomethylated calix[4]resorcinarenes with cetyltrimethylammonium bromide in aqueous dimethylformamide. Russian Chemical Bulletin, 2004, 53, 1520-1527.	1.5	6
62	Aggregation of amphiphilic aminomethylated calix[4]resorcinarenes and the nonionic surfactant Triton-X-100 in organic solvents. Russian Chemical Bulletin, 2004, 53, 1528-1535.	1.5	2
63	Interaction of monolayers of calix[4]resorcinarene derivatives with copper ions in the aqueous subphase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 240, 101-106.	4.7	14
64	Reactivity of supramolecular systems based on calix[4]resorcinarene derivatives and surfactants in hydrolysis of phosphorus acid esters. Macromolecular Symposia, 2004, 210, 41-48.	0.7	9
65	Single-electron oxidation and nucleophilicity of aminomethylated calix[4]resorcinarenes. Russian Chemical Bulletin, 2003, 52, 1142-1149.	1.5	7