

Tat'yana N Pashirova

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle Delivery Systems in the Treatment of Diabetes Complications. <i>Molecules</i> , 2019, 24, 4209.	3.8	114
2	Cationic Surfactants: Self-Assembly, Structure-Activity Correlation and Their Biological Applications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5534.	4.1	88
3	New evidence for dual binding site inhibitors of acetylcholinesterase as improved drugs for treatment of Alzheimer's disease. <i>Neuropharmacology</i> , 2019, 155, 131-141.	4.1	67
4	Self-assembly strategy for the design of soft nanocontainers with controlled properties. <i>Mendeleev Communications</i> , 2016, 26, 457-468.	1.6	64
5	Mixed cationic liposomes for brain delivery of drugs by the intranasal route: The acetylcholinesterase reactivator 2-PAM as encapsulated drug model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 358-367.	5.0	64
6	Biosurfactants: Properties and Applications in Drug Delivery, Biotechnology and Ecotoxicology. <i>Bioengineering</i> , 2021, 8, 115.	3.5	64
7	Nanoparticle-Delivered 2-PAM for Rat Brain Protection against Paraoxon Central Toxicity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16922-16932.	8.0	46
8	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4438.	2.5	43
9	Supramolecular systems based on 1-alkyl-4-aza-1-azoniabicyclo[2.2.2]octane bromides. <i>Russian Chemical Bulletin</i> , 2010, 59, 1745-1752.	1.5	40
10	Novel self-assembling system based on resorcinarene and cationic surfactant. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15891.	2.8	39
11	A Supramolecular Amphiphile Based on Calix[4]resorcinarene and Cationic Surfactant for Controlled Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20280-20288.	3.1	38
12	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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 266-273.	5.0	38
13	Alkylated 1,4-diazabicyclo[2.2.2]octanes: self-association, catalytic properties, and biological activity. <i>Russian Chemical Bulletin</i> , 2012, 61, 113-120.	1.5	37
14	Synthesis, structure-activity relationship and biological evaluation of tetracationic gemini Dabco-surfactants for transdermal liposomal formulations. <i>International Journal of Pharmaceutics</i> , 2020, 575, 118953.	5.2	29
15	Combination delivery of two oxime-loaded lipid nanoparticles: Time-dependent additive action for prolonged rat brain protection. <i>Journal of Controlled Release</i> , 2018, 290, 102-111.	9.9	28
16	Catalytic properties of micellar systems based on 4-aza-1-alkyl-1-azoniabicyclo[2.2.2]octane bromides. <i>Kinetics and Catalysis</i> , 2011, 52, 179-185.	1.0	23
17	Supramolecular systems based on calix[4]resorcine with mono-, di-, and tetracationic surfactants: Synergetic structural and solubilization behavior. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 448, 67-72.	4.7	20
18	Bi-functional sterically hindered phenol lipid-based delivery systems as potential multi-target agents against Alzheimer's disease via an intranasal route. <i>Nanoscale</i> , 2020, 12, 13757-13770.	5.6	19

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19	Design and synthesis of amphiphilic 2-hydroxybenzylphosphonium salts with antimicrobial and antitumor dual action. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127234.	2.2	19
20	Amphiphilic O-functionalized calix[4]resorcinarenes with tunable structural behavior. <i>RSC Advances</i> , 2014, 4, 9912.	3.6	18
21	Micellization of alkylated 1,4-diazabicyclo[2.2.2]octane by nuclear magnetic resonance technique using pulsed gradient of static magnetic field. <i>Journal of Molecular Liquids</i> , 2012, 167, 89-93.	4.9	17
22	Delivery nanosystems based on sterically hindered phenol derivatives containing a quaternary ammonium moiety: Synthesis, cholinesterase inhibition and antioxidant activity. <i>Chemico-Biological Interactions</i> , 2019, 310, 108753.	4.0	16
23	Nontoxic antimicrobial micellar systems based on mono- and dicationic Dabco-surfactants and furazolidone: Structure-solubilization properties relationships. <i>Journal of Molecular Liquids</i> , 2019, 296, 112062.	4.9	16
24	Tunable amphiphilic $\bar{\Gamma}$ -systems based on isatin derivatives containing a quaternary ammonium moiety: The role of alkyl chain length in biological activity. <i>Journal of Molecular Liquids</i> , 2019, 290, 111220.	4.9	16
25	Complexes of 1-hexadecyl-4-aza-1-azoniabicyclo[2.2.2]octane bromide with transition metal nitrates. Micelle-forming, solubilizing, and adsorption properties. <i>Colloid Journal</i> , 2017, 79, 621-629.	1.3	15
26	A new surfactant-copper(II) complex based on 1,4-diazabicyclo[2.2.2]octane amphiphile. Crystal structure determination, self-assembly and functional activity. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12688-12699.	2.8	15
27	Synthesis, biological evaluation and structure-activity relationships of self-assembled and solubilization properties of amphiphilic quaternary ammonium derivatives of quinuclidine. <i>Journal of Molecular Liquids</i> , 2018, 272, 722-730.	4.9	15
28	Development and Characterization of Biointeractive Gelatin Wound Dressing Based on Extract of <i>Punica granatum</i> Linn. <i>Pharmaceutics</i> , 2020, 12, 1204.	4.5	15
29	Interaction of monolayers of calix[4]resorcinarene derivatives with copper ions in the aqueous subphase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 240, 101-106.	4.7	14
30	Surface modification of pralidoxime chloride-loaded solid lipid nanoparticles for enhanced brain reactivation of organophosphorus-inhibited AChE: Pharmacokinetics in rat. <i>Toxicology</i> , 2020, 444, 152578.	4.2	14
31	Self-assembling systems based on diquaternized derivatives of 1,4-diazabicyclo[2.2.2]octane. <i>Journal of Molecular Liquids</i> , 2015, 210, 136-142.	4.9	13
32	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. <i>Russian Chemical Bulletin</i> , 2015, 64, 2879-2884.	1.5	11
33	Micellar and liquid-crystalline properties of bicyclic fragment-containing cationic surfactant. <i>Colloid Journal</i> , 2010, 72, 764-770.	1.3	10
34	Novel isoindigo derivatives bearing long-chain N-alkyl substituents: Synthesis and self-assemble behavior. <i>Chemical Physics Letters</i> , 2014, 594, 69-73.	2.6	10
35	Complex of 1-hexadecyl-4-aza-1-azoniabicyclo[2.2.2]octane bromide with copper dibromide: structure, aggregation, and biological activity. <i>Russian Chemical Bulletin</i> , 2016, 65, 1365-1371.	1.5	10
36	Therapeutic nanoreactors for detoxification of xenobiotics: Concepts, challenges and biotechnological trends with special emphasis to organophosphate bioscavenging. <i>Chemico-Biological Interactions</i> , 2021, 346, 109577.	4.0	10

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37	Reactivity of supramolecular systems based on calix[4]resorcinarene derivatives and surfactants in hydrolysis of phosphorus acid esters. <i>Macromolecular Symposia</i> , 2004, 210, 41-48.	0.7	9
38	Aggregation behavior and catalytic properties of systems based on aminomethylated calix[4]resorcinarenes and poly(ethylene) imines. <i>Russian Journal of General Chemistry</i> , 2008, 78, 402-409.	0.8	9
39	Supramolecular systems based on aminomethylated calix[4]resorcinarene and a cationic surfactant: Catalysts of the hydrolysis of esters of phosphorus acids. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 200-204.	0.6	9
40	Supramolecular strategy of the encapsulation of low-molecular-weight food ingredients. , 2016, , 295-362.		9
41	Self-assembled quaternary ammonium surfactants for pharmaceuticals and biotechnology. , 2018, , 601-618.		9
42	Rational Design 2-Hydroxypropylphosphonium Salts as Cancer Cell Mitochondria-Targeted Vectors: Synthesis, Structure, and Biological Properties. <i>Molecules</i> , 2021, 26, 6350.	3.8	9
43	Enzyme Nanoreactor for <i>In Vivo</i> Detoxification of Organophosphates. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	9
44	Multi-targeted approach by 2-benzimidazolylquinoxalines-loaded cationic arginine liposomes against Nervical cancer cells in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 317-328.	5.0	8
45	Self-Assembled Quaternary Ammonium-Containing Comb-Like Polyelectrolytes for the Hydrolysis of Organophosphorous Esters: Effect of Head Groups and Counterions. <i>ChemPlusChem</i> , 2020, 85, 1939-1948.	2.8	8
46	Single-electron oxidation and nucleophilicity of aminomethylated calix[4]resorcinarenes. <i>Russian Chemical Bulletin</i> , 2003, 52, 1142-1149.	1.5	7
47	Self-assembly of symmetrical and dissymmetrical dicationic surfactants in the solid phase and in solution. <i>Russian Chemical Bulletin</i> , 2014, 63, 68-75.	1.5	7
48	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. <i>Russian Chemical Bulletin</i> , 2004, 53, 1520-1527.	1.5	6
49	Supramolecular catalytic systems based on alkylated diquaternary 1,4-diazabicyclo[2.2.2]octane derivatives. <i>Kinetics and Catalysis</i> , 2013, 54, 552-558.	1.0	6
50	Drug delivery mediated by confined nanosystems: structure-activity relations and factors responsible for the efficacy of formulations. , 2017, , 749-806.		6
51	Kinetic Processes in Enzymatic Nanoreactors for In Vivo Detoxification. <i>Biomedicines</i> , 2022, 10, 784.	3.2	6
52	Systems based on the hydrophobically modified poly(ethylene imines) and surfactants: Aggregation and catalysis. <i>Colloid Journal</i> , 2008, 70, 317-326.	1.3	5
53	Nanoscale isoindigo-carriers: self-assembly and tunable properties. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 313-324.	2.8	5
54	Synthesis and aggregation properties of novel amino acetals with the calix[4]resorcinol platform. <i>Russian Chemical Bulletin</i> , 2006, 55, 920-924.	1.5	4

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55	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
56	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
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	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
59	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
60	Development of Gel-Core Solid Lipid Nanoparticles as Drug Delivery Systems for Hydrophilic Molecules. Current Nanoscience, 2016, 12, 598-604.	1.2	2
61	Supramolecular systems formed by calix[4]resorcinarenes and surfactants in chlorophorm. Journal of Structural Chemistry, 2005, 46, S70-S75.	1.0	1
62	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
63	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
64	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
65	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