Vyacheslav E Semenov

List of Publications by Year
in descending order

88	872	471371 17	580701 25
papers	citations	h-index	g-index

89	89	89	688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New evidence for dual binding site inhibitors of acetylcholinesterase as improved drugs for treatment of Alzheimer's disease. Neuropharmacology, 2019, 155, 131-141.	2.0	67
2	Antibacterial andÂantifungal activity ofÂacyclic andÂmacrocyclic uracil derivatives with quaternized nitrogen atoms inÂspacers. European Journal of Medicinal Chemistry, 2006, 41, 1093-1101.	2.6	59
3	Supramolecular Systems Based on Novel Monoâ€•and Dicationic Pyrimidinic Amphiphiles and Oligonucleotides: A Selfâ€Organization and Complexation Study. ChemPhysChem, 2012, 13, 788-796.	1.0	39
4	New self-assembling systems based on bola-type pyrimidinic surfactants. Journal of Colloid and Interface Science, 2010, 342, 119-127.	5.0	36
5	Nanoreactors Based on Amphiphilic Uracilophanes:â€‰ Self-Organization and Reactivity Study. Journal of Physical Chemistry B, 2007, 111, 14152-14162.	1.2	34
6	6â€Methyluracil Derivatives as Bifunctional Acetylcholinesterase Inhibitors for the Treatment of Alzheimer's Disease. ChemMedChem, 2015, 10, 1863-1874.	1.6	33
7	Supramolecular systems based on dicationic pyrimidine-containing surfactants and polyethyleneimine. Russian Chemical Bulletin, 2015, 64, 573-578.	0.4	30
8	Antimicrobial activity of pyrimidinophanes with thiocytosine and uracil moieties. European Journal of Medicinal Chemistry, 2011, 46, 4715-4724.	2.6	27
9	Novel dicationic pyrimidinic surfactant: Self-assembly and DNA complexation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 113-121.	2.3	26
10	Synthesis of 1,2,3-triazolyl nucleoside analogues and their antiviral activity. Molecular Diversity, 2021, 25, 473-490.	2.1	23
11	Novel Bolaamphiphilic Pyrimidinophane As Building Block for Design of Nanosized Supramolecular Systems with Concentration-Dependent Structural Behavior. ACS Applied Materials & Interfaces, 2011, 3, 402-409.	4.0	22
12	Supramolecular catalytic systems based on dimeric pyrimidinic surfactants and polyethyleneimine. Mendeleev Communications, 2008, 18, 158-160.	0.6	20
13	Preferential Protonation and Methylation Site of Thiopyrimidine Derivatives in Solution:â€‰ NMR Data. Journal of Physical Chemistry B, 2008, 112, 3259-3267.	1.2	20
14	Macrocyclic and acyclic 1,3-bis[5-(trialkylammonio)pentyl]-5(6)-substituted uracil dibromides: synthesis, antimicrobial properties, and the structureâ€"activity relationship. Russian Chemical Bulletin, 2015, 64, 2885-2896.	0.4	20
15	Intramolecular interactions in acyclic and macrocyclic compounds containing nucleotide bases. Tetrahedron Letters, 2002, 43, 9683-9686.	0.7	18
16	Structure of pyrimidinocyclophanes in solution by NMR. Tetrahedron, 2006, 62, 7021-7033.	1.0	17
17	Triuracils â€“ 1,3â€Bis[Ï‰â€(Nâ€methyluracilâ€1â€yl)alkyl]thymines and Their 5,5â€²â€Cyclic Counterparts. European Journal of Organic Chemistry, 2007, 2007, 4578-4593.	1.2	17
18	Synthesis, antimicrobial activity and cytotoxicity of triphenylphosphonium (TPP) conjugates of 1,2,3-triazolyl nucleoside analogues. Bioorganic Chemistry, 2021, 116, 105328.	2.0	17

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19	Synthesis of novel 1,2,3-triazolyl nucleoside analogues bearing uracil, 6-methyluracil, 3,6-dimethyluracil, thymine, and quinazoline-2,4-dione moieties. Tetrahedron Letters, 2019, 60, 151276.	0.7	15
20	Slow-binding reversible inhibitor of acetylcholinesterase with long-lasting action for prophylaxis of organophosphate poisoning. Scientific Reports, 2020, 10, 16611.	1.6	14
21	Novel macrocyclic uracil derivatives: Structure in solid and solution. Structural Chemistry, 2006, 17, 409-417.	1.0	12
22	Chemistry of pyrimidinophanes: synthesis and applications: a review from 1990 until recently. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 77, 1-22.	0.9	12
23	Synthesis and primary evaluation of the hepatoprotective properties of novel pyrimidine derivatives. Russian Journal of Bioorganic Chemistry, 2017, 43, 604-611.	0.3	12
24	Novel Acetylcholinesterase Inhibitors Based on Uracil Moiety for Possible Treatment of Alzheimer Disease. Molecules, 2020, 25, 4191.	1.7	12
25	Supramolecular Catalysts Based on Novel Pyrimidinophane: Influence of Additives of Polymer and Lanthanum Ions. Macroheterocycles, 2016, 9, 29-33.	0.9	12
26	Macrocyclic derivatives of 6-methyluracil as ligands of the peripheral anionic site of acetylcholinesterase. MedChemComm, 2014, 5, 1729-1735.	3.5	11
27	Amphiphilic macrocycles bearing biofragment: Molecular design as factor controlling self-assembly. Materials Science and Engineering C, 2014, 38, 143-150.	3.8	10
28	Synthesis and antimicrobial activity of pyrimidinophanes containing a uracil moiety and a bridging sulfur atom. Pharmaceutical Chemistry Journal, 2010, 44, 130-133.	0.3	9
29	Tunable biomimetic systems based on a novel amphiphilic pyrimidinophane and a helper nonionic surfactant. Colloids and Surfaces B: Biointerfaces, 2013, 111, 218-223.	2.5	9
30	6-Methyluracil derivatives as peripheral site ligand-hydroxamic acid conjugates: Reactivation for paraoxon-inhibited acetylcholinesterase. European Journal of Medicinal Chemistry, 2020, 185, 111787.	2.6	9
31	Synthesis of pyrimidinophanes containing nitrogen atoms in polymethylene bridges. Russian Chemical Bulletin, 2003, 52, 1595-1599.	0.4	8
32	Synthesis of pyrimidinocyclophanes having a bridging nitrogen atom. Russian Journal of Organic Chemistry, 2008, 44, 882-890.	0.3	8
33	Unusual Reaction of Macrocyclic Uracils with Paraformaldehyde. European Journal of Organic Chemistry, 2011, 2011, 5423-5426.	1.2	8
34	Macrocyclic compounds containing three pyrimidine fragments. Russian Chemical Bulletin, 2003, 52, 1399-1402.	0.4	7
35	Structure and properties of macrocyclic compounds containing a pyrimidine fragment. Russian Journal of Organic Chemistry, 2008, 44, 891-900.	0.3	7
36	Synthesis and antimicrobial activity of pyrimidinophanes with two uracil units and bridging nitrogen atoms. Pharmaceutical Chemistry Journal, 2009, 43, 448.	0.3	7

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37	Self-organization of oligomeric amphiphiles with pyrimidine moieties: The role of the structural factor. Journal of Structural Chemistry, 2014, 55, 1548-1555.	0.3	7
38	Comparative Evaluation of Hepatoprotective Activity of Xymedon Preparation Derivatives with Ascorbic Acid and Methionine. BioNanoScience, 2017, 7, 616-622.	1.5	7
39	Triphenylphosphonium conjugates of 1,2,3-triazolyl nucleoside analogues. Synthesis and cytotoxicity evaluation. Medicinal Chemistry Research, 2020, 29, 2203-2217.	1.1	7
40	Synthesis and Antiviral Evaluation of Nucleoside Analogues Bearing One Pyrimidine Moiety and Two D-Ribofuranosyl Residues. Molecules, 2021, 26, 3678.	1.7	7
41	On the transfer of theoretical multipole parameters for restoring static electron density and revealing and treating atomic anharmonic motion. Features of chemical bonding in crystals of an isocyanuric acid derivative. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 871-891.	0.5	7
42	Synthesis of Î±,Ï‰-Bis(3-methyl- or 3,6-dimethyl-2,4-dioxo-1,2,3,4-tetrahydro-1-pyrimidinyl)alkanes. Russian Journal of General Chemistry, 2001, 71, 1088-1090.	0.3	6
43	Synthesis of acyclic and macrocyclic analogs of Di-, Tri-, and tetranucleotides. Russian Journal of General Chemistry, 2007, 77, 1430-1440.	0.3	6
44	Supramolecular catalytic systems based on bolaform pyrimidinic surfactants: the counterion effect. Mendeleev Communications, 2010, 20, 116-118.	0.6	6
45	1,3-dipolar cycloaddition reactions in the series of N-alkynyl-substituted uracils. Russian Journal of Organic Chemistry, 2012, 48, 582-587.	0.3	6
46	Silver mediated duplex-type complexes of pyrimidinophanes and their acyclic counterparts. RSC Advances, 2015, 5, 16017-16028.	1.7	6
47	Supramolecular Systems Based on Novel Amphiphiles and a Polymer: Aggregation and Selective Solubilization. Journal of Surfactants and Detergents, 2019, 22, 865-874.	1.0	6
48	Novel dicationic pyrimidine-based nucleolipid bearing piperidine head groups: Synthesis, aggregation behavior, solubilization capacity and interaction with DNA decamer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124853.	2.3	6
49	Macrocyclic 5-bromouracil derivatives: synthesis and transformation of a uracil ring. Tetrahedron Letters, 2008, 49, 5994-5997.	0.7	5
50	Metal binding properties of pyrimidinophanes and their acyclic counterparts. RSC Advances, 2014, 4, 10228.	1.7	5
51	Reactions of pyrimidinophanes and their acyclic analogs with electron-deficient substrates. Russian Journal of General Chemistry, 2006, 76, 292-301.	0.3	4
52	Synthesis and structures of pyrimidinophanes containing a nitrogen atom in the bridge. Russian Chemical Bulletin, 2006, 55, 559-568.	0.4	4
53	Reverse micellar catalysis of phosphorylation of pyrimidinophanes. Russian Journal of General Chemistry, 2008, 78, 50-56.	0.3	4
54	Heterocyclophanes with 6-methyluracyl and hydantoin fragments. Ring contraction in 1,3-bis(5-bromopentyl)-5-nitrouracyl. Russian Journal of Organic Chemistry, 2010, 46, 309-310.	0.3	4

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55	Regulation of the rate of hydrolysis of phosphorus acid esters in organized systems based on amphiphilic pyrimidinophanes. Kinetics and Catalysis, 2010, 51, 644-652.	0.3	4
56	Synthesis and reactivity of acyclic and macrocyclic uracils bridged with five-membered heterocycles. Tetrahedron, 2011, 67, 7370-7378.	1.0	4
57	Structure of Tetranuclear Iron(III) d- and dl-Tartrates in Aqueous Solutions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 419-424.	0.3	3
58	Copper(II) bromide complexes with acyclic and cyclic pyrimidine-containing phane ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2007, 33, 685-691.	0.3	3
59	Structure and dynamics of pyrimidine-based macrocycles in solution. Tetrahedron Letters, 2008, 49, 6674-6678.	0.7	3
60	Î±,Ï‰-Bis(3,6-dimethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-1-yl)alkanes and products of their cyclization, pyrimidinophanes: intra- and intermolecular interaction in crystals and in solutions. Russian Chemical Bulletin, 2008, 57, 124-136.	0.4	3
61	Synthesis and structure of pyrimidinophanes with a sulfur atom in the spacer. Mendeleev Communications, 2010, 20, 4-6.	0.6	3
62	Uracyl derivatives functionalized with N-, S-, O-heterocycles. Russian Journal of Organic Chemistry, 2011, 47, 746-752.	0.3	3
63	Thermodynamic characteristics of adsorption of organic molecules on pyrimidinophane. Russian Chemical Bulletin, 2015, 64, 800-805.	0.4	3
64	The Effect of l-Ascorbate 1-(2-Hydroxyethyl)-4,6-Dimethyl-1,2-Dihydropyrimidin-2-One on the Regeneration of the Planarian Girardia tigrina. BioNanoScience, 2017, 7, 570-573.	1.5	3
65	Computational Exploration of Reactivity of 6-Methyluracil/Imidazole-2-Carbaldehyde Oxime Conjugate. BioNanoScience, 2017, 7, 229-232.	1.5	3
66	Hepato-, Nephro- and Pancreatoprotective Effect of Derivatives of Drug Xymedon with Biogenic Acids Under Toxic Influence of Carbon Tetrachloride in Rats. BioNanoScience, 2018, 8, 845-858.	1.5	3
67	Amphiphilic Macrocyclic Derivative of Pyrimidine: Self-Assembly, Solubilization and Interaction with DNA Decamer. Macroheterocycles, 2017, 10, 567-573.	0.9	3
68	The structures of dimeric stereoisomeric tartrates of iron(III) as determined by molecular mechanics calculations. Computational and Theoretical Chemistry, 1995, 343, 195-198.	1.5	2
69	Crystal structure of pyrimidinophane containing two uracil moieties with a cis-orientation of the carbonyl groups. Journal of Structural Chemistry, 2008, 49, 185-187.	0.3	2
70	Study of the protonation (methylation) position and tautomeric structure of thiopyrimidine derivatives by 2D 1Hâ€”15H NMR HSQC/HMBC. Experimental approach and theoretical modeling. Russian Chemical Bulletin, 2009, 58, 51-58.	0.4	2
71	Reaction of methyl 3-propargylacetoacetate with thiourea. Russian Journal of Organic Chemistry, 2011, 47, 312-313.	0.3	2
72	Reactivity of phosphorus esters in supramolecular systems based on surfactants containing an uracil residue and polyethylenimine. Russian Journal of Organic Chemistry, 2014, 50, 500-505.	0.3	2

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73	Synthesis and antimycobacterial activity of pyridinium compounds with sulfonylacetamide substituent in N-alkyl chain. Chemistry of Heterocyclic Compounds, 2018, 54, 868-874.	0.6	2
74	Conjugate of pyrimidine derivative, the drug xymedon with succinic acid protects liver cells. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22660.	1.4	2
75	Intra- and intermolecular interactions in the series of acyclic and macrocyclic compounds containing nucleotide bases and their derivatives. Russian Journal of General Chemistry, 2007, 77, 1522-1534.	0.3	1
76	Pyrimidinophane p-toluenesulfonateâ€"Water-soluble pyrimidine-containing macrocycles. Russian Journal of General Chemistry, 2009, 79, 134-137.	0.3	1
77	Amphiphilic pyrimidinophane, a new dimeric surfactant: Synthesis, aggregation, and catalytic activity. Colloid Journal, 2010, 72, 323-331.	0.5	1
78	Condensation of thiourea with uracyl derivatives containing ketone and ketoester fragments, alkylation and macrocyclization of the condensation products. Russian Journal of General Chemistry, 2010, 80, 1364-1368.	0.3	1
79	Hydrogen's isotopic exchange reaction in the <scp>C</scp>â€methyl sides in the medicinal agent xymedon: <scp>NMR</scp> spectroscopy and ab initio calculations. Journal of Physical Organic Chemistry, 2018, 31, e3804.	0.9	1
80	The Influence of the Xymedon Đ¡onjugate with l-Methionine on the Regeneration of Schmidtea mediterranea Planarians. BioNanoScience, 2020, 10, 397-402.	1.5	1
81	New Aspects of Complex Formation in the Gadolinium(III)â€"Citric Acid System in Aqueous Solution. Comments on Inorganic Chemistry, 0, , 1-36.	3.0	1
82	Structure of dysprosium monotartrate in aqueous solution from magnetic double refraction and molecular mechanics data. Bulletin of the Russian Academy of Sciences Division of Chemical Science, 1992, 41, 1745-1749.	0.0	0
83	Title is missing!. Russian Journal of General Chemistry, 2001, 71, 671-674.	0.3	0
84	Structure and dynamics of some macrocyclic pyrimidine derivatives. Russian Chemical Bulletin, 2009, 58, 2499-2505.	0.4	0
85	Reaction of 6-methyluracyl derivatives with acetylacetone and ethyl acetoacetate. Russian Journal of General Chemistry, 2010, 80, 1358-1363.	0.3	0
86	Ring contraction of 1,3-bis(5-bromopentyl)alloxazine. Russian Journal of Organic Chemistry, 2010, 46, 439-443.	0.3	0
87	Trimerization of nitriles in the synthesis of multipyrimidinophanes. Russian Journal of Organic Chemistry, 2013, 49, 1096-1098.	0.3	0
88	Pyrimidine Derivative Ameliorates Spinal Cord Injury via Anti-apoptotic, Anti-inflammatory, and Antioxidant Effects and by Regulating Rho GTPases. BioNanoScience, 2019, 9, 224-234.	1.5	0