

Alexandra D Voloshina

List of Publications by Citations

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96
papers

763
citations

15
h-index

20
g-index

104
ext. papers

1,003
ext. citations

2.7
avg, IF

4.04
L-index

#	Paper	IF	Citations
96	Synthesis and antimicrobial and toxic properties of novel 1,3-bis(alkyl)-6-methyluracil derivatives containing 1,2,3- and 1,2,4-triazolium fragments. <i>Russian Journal of Bioorganic Chemistry</i> , 2017 , 43, 170-176	1.7	46
95	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, 266-73	6	34
94	Alkylated 1,4-diazabicyclo[2.2.2]octanes: self-association, catalytic properties, and biological activity. <i>Russian Chemical Bulletin</i> , 2012 , 61, 113-120	1.7	32
93	Self-assembled systems based on novel hydroxyethylated imidazolium-containing amphiphiles: Interaction with DNA decamer, protein and lipid. <i>Chemistry and Physics of Lipids</i> , 2019 , 223, 104791	3.7	26
92	Antimicrobial activity of pyrimidinophanes with thiocytosine and uracil moieties. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 4715-24	6.8	25
91	Synthesis and biological evaluation of novel structural hybrids of benzofuroxan derivatives and fluoroquinolones. <i>European Journal of Medicinal Chemistry</i> , 2016 , 116, 165-172	6.8	24
90	Mitochondria-targeted cationic liposomes modified with alkyltriphenylphosphonium bromides loaded with hydrophilic drugs: preparation, cytotoxicity and colocalization assay. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7351-7362	7.3	21
89	Macrocyclic and acyclic 1,3-bis[5-(trialkylammonio)pentyl]-5(6)-substituted uracil dibromides: synthesis, antimicrobial properties, and the structure-activity relationship. <i>Russian Chemical Bulletin</i> , 2015 , 64, 2885-2896	1.7	20
88	Synthesis and antimicrobial activity evaluation of some novel water-soluble isatin-3-acylhydrazones. <i>Monatshefte für Chemie</i> , 2018 , 149, 111-117	1.4	19
87	Synthesis of 2-(2-hydroxyaryl)alkenylphosphonium salts from phosphine oxides via ring-closing ring-opening approach and their antimicrobial evaluation. <i>Tetrahedron</i> , 2016 , 72, 8493-8501	2.4	18
86	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	6.5	17
85	Tuning magnetic relaxation properties of "hard cores" in core-shell colloids by modification of "soft shell". <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 162, 52-59	6	17
84	New N-Mannich bases obtained from isatin and piperazine derivatives: the synthesis and evaluation of antimicrobial activity. <i>Chemistry of Heterocyclic Compounds</i> , 2016 , 52, 25-30	1.4	16
83	Novel self-assembling systems based on imidazolium amphiphiles with cleavable urethane fragment for construction of soft nanocontainers for biomedicine application. <i>Journal of Molecular Liquids</i> , 2020 , 298, 111961	6	16
82	Development of synthetic approaches to macrocyclic glycoterpenoids on the basis of glucuronic acid and diterpenoid isosteviol. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 1324-1333	0.7	15
81	Synthesis and Antimicrobial Study of Novel 1-Benzylated Water-Soluble Isatin-3-hydrazones. <i>Chemistry and Biodiversity</i> , 2018 , 15, e1800088	2.5	15
80	The structure - Activity correlation in the family of dicationic imidazolium surfactants: Antimicrobial properties and cytotoxic effect. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129728	4	15

79	Nanoscale hydrophilic colloids with high relaxivity and low cytotoxicity based on Gd(III) complexes with Keplerate polyanions. <i>New Journal of Chemistry</i> , 2017 , 41, 5271-5275	3.6	14
78	Isatin Derivatives Containing Sterically Hindered Phenolic Fragment and Water-Soluble Acyl Hydrazones on Their Basis: Synthesis and Antimicrobial Activity. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 57-67	0.7	14
77	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	5	14
76	Aggregation behavior, anticorrosion effect, and antimicrobial activity of alkylmethylmorpholinium bromides. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 538-542	0.9	14
75	Synthesis and Antimicrobial and Antituberculosis Activity of the First Conjugates of the Diterpenoid Isosteviol and D-Arabinofuranose. <i>Chemistry of Natural Compounds</i> , 2018 , 54, 92-97	0.7	11
74	Synthesis, Properties, and Antimicrobial Activity of Pectin Complexes with Cobalt and Nickel. <i>Chemistry of Natural Compounds</i> , 2016 , 52, 26-31	0.7	11
73	Synthesis, Toxicity, and Antituberculosis Activity of Isoniazid Derivatives Containing Sterically Hindered Phenols. <i>Pharmaceutical Chemistry Journal</i> , 2014 , 48, 5-7	0.9	11
72	Synthesis and antibacterial and antifungal properties of some phosphorus-containing 1,2-dihydroxynaphthalenes. <i>Pharmaceutical Chemistry Journal</i> , 2009 , 43, 610-612	0.9	11
71	Synthesis of Novel 2-(Het)arylpiperidine Derivatives and Evaluation of Their Anticancer and Anti-Biofilm Activity. <i>Molecules</i> , 2019 , 24,	4.8	10
70	Synthesis and Biological Evaluation of New Isatin-Based QACs with High Antimicrobial Potency. <i>ChemistrySelect</i> , 2019 , 4, 6162-6166	1.8	10
69	Synthesis of novel 1,2,3-triazolyl nucleoside analogues bearing uracil, 6-methyluracil, 3,6-dimethyluracil, thymine, and quinazoline-2,4-dione moieties. <i>Tetrahedron Letters</i> , 2019 , 60, 151276	2	10
68	Synthesis and antimicrobial and antifungal activity of derivatives of the diterpenoid isosteviol and the glycoside steviolbioside containing onium nitrogen atoms. <i>Pharmaceutical Chemistry Journal</i> , 2011 , 44, 597-600	0.9	10
67	Metallomicellar Systems Based on the Complexes of 1-Hexadecyl-4-aza-1-azoniabicyclo[2.2.2]octane Bromide with Transition Metal Nitrates. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2359-2367	0.7	10
66	Silica nanoparticles with dual visible-NIR luminescence affected by silica confinement of Tb(III) and Yb(III) complexes for cellular imaging application. <i>Journal of Materials Science</i> , 2019 , 54, 9140-9154	4.3	9
65	Isatin derivatives bearing a fluorine atom. Part 1: Synthesis, hemotoxicity and antimicrobial activity evaluation of fluoro-benzylated water-soluble pyridinium isatin-3-acylhydrazones. <i>Journal of Fluorine Chemistry</i> , 2019 , 227, 109345	2.1	9
64	The Study of the Biological Activity of Amino-Substituted Benzofuroxans. <i>Letters in Drug Design and Discovery</i> , 2014 , 11, 502-512	0.8	9
63	Antimicrobial and cytotoxic effects of ammonium derivatives of diterpenoids steviol and isosteviol. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 32, 115974	3.4	9
62	Unusual nanosized associates of carboxy-calix[4]resorcinarene and cetylpyridinium chloride: the macrocycle as a glue for surfactant micelles. <i>Soft Matter</i> , 2017 , 13, 2004-2013	3.6	8

61	New 2,6-diaminopyridines containing a sterically hindered benzylphosphonate moiety in the aromatic core as potential antioxidant and anti-cancer drugs. <i>European Journal of Medicinal Chemistry</i> , 2019 , 184, 111735	6.8	8
60	Synthesis and anti-cancer activities of glycosides and glycoconjugates of diterpenoid isosteviol. <i>MedChemComm</i> , 2019 , 10, 1488-1498	5	8
59	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	7.7	8
58	Synthesis and Study of Antimicrobial Activity of Water-Soluble Ammonium Acylhydrazones Based on New 1,1-Alkylenebis(isatins). <i>Russian Journal of General Chemistry</i> , 2019 , 89, 1368-1376	0.7	8
57	Synthesis and antimicrobial activity of pyrimidinophanes containing a uracil moiety and a bridging sulfur atom. <i>Pharmaceutical Chemistry Journal</i> , 2010 , 44, 130-133	0.9	8
56	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	1.7	8
55	Design, synthesis, and biological activity of novel ammonium salts containing sterically hindered phenolic fragment and phosphoryl group. <i>MedChemComm</i> , 2018 , 9, 2106-2120	5	8
54	Versatile approach to naphthoquinone phosphonium salts and evaluation of their biological activity. <i>Mendeleev Communications</i> , 2019 , 29, 435-437	1.9	7
53	Synthesis and antimicrobial activity of several bis-quaternized ammonium derivatives of the diterpenoid isosteviol. <i>Chemistry of Natural Compounds</i> , 2012 , 47, 914-917	0.7	7
52	ROS-generation and cellular uptake behavior of amino-silica nanoparticles arisen from their uploading by both iron-oxides and hexamolybdenum clusters. <i>Materials Science and Engineering C</i> , 2020 , 117, 111305	8.3	7
51	Co-Ligand Induced Chiral Recognition of N-Thiophosphorylated Thioureas in Crystalline Ni(II) Complexes. <i>Crystal Growth and Design</i> , 2019 , 19, 4044-4056	3.5	6
50	Esterification of betulin with bromoalkanoic acids. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 1318-1323	0.7	6
49	Dual red-NIR luminescent EuYb heterolanthanide nanoparticles as promising basis for cellular imaging and sensing. <i>Materials Science and Engineering C</i> , 2019 , 105, 110057	8.3	5
48	Synthesis and investigation of antimicrobial activity of compounds derived from benzo[C][1,2,5]oxadiazole-1-oxides and phenolates. <i>Synthetic Communications</i> , 2016 , 46, 1560-1565	1.7	5
47	Metal binding properties of pyrimidinophanes and their acyclic counterparts. <i>RSC Advances</i> , 2014 , 4, 10228	3.7	5
46	Highly diluted aqueous solutions of cetyltrimethylammonium bromide: Correlations between self-organization, physicochemical properties, and biological activity. <i>Doklady Physical Chemistry</i> , 2014 , 459, 166-172	0.8	5
45	Effect of the Cationic Moiety on the Antimicrobial Activity of Sterically Hindered Isatin 3-Hydrazone Derivatives. <i>Russian Journal of Organic Chemistry</i> , 2020 , 56, 555-558	0.7	5
44	Synthesis and Biological Activity of Alkane-1,1-diylbis(phosphonates) of Diterpenoid Isosteviol. <i>Russian Journal of Organic Chemistry</i> , 2019 , 55, 17-24	0.7	4

43	Phosphates of the Diterpenoid Isosteviol. Synthesis and Biological Activity#. <i>Chemistry of Natural Compounds</i> , 2018 , 54, 688-694	0.7	4
42	Terbium(III)-thiacalix[4]arene nanosensor for highly sensitive intracellular monitoring of temperature changes within the 303-313K range. <i>Scientific Reports</i> , 2020 , 10, 20541	4.9	4
41	Glycosides and Glycoconjugates of the Diterpenoid Isosteviol with a 1,2,3-Triazolyl Moiety: Synthesis and Cytotoxicity Evaluation. <i>Journal of Natural Products</i> , 2020 , 83, 2367-2380	4.9	4
40	Synthesis of New Sodium Pectinate Metal Complexes with Cobalt and Nickel Ions and Their Antimicrobial Activity. <i>Doklady Chemistry</i> , 2019 , 487, 207-211	0.8	3
39	Multi-targeted approach by 2-benzimidazolylquinoxalines-loaded cationic arginine liposomes against cervical cancer cells in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 317-328	6	3
38	Ammonium-Charged Sterically Hindered Phenols with Antioxidant and Selective Anti-Gram-Positive Bacterial Activity. <i>Chemistry and Biodiversity</i> , 2020 , 17, e2000147	2.5	3
37	Synthesis and Antimicrobial Activity of Glucuronosyl Derivatives of Steviolbioside from <i>Stevia rebaudiana</i> . <i>Chemistry of Natural Compounds</i> , 2017 , 53, 1107-1111	0.7	3
36	Benzofuroxans containing NO-generating fragment. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1007-1009	1.0	3
35	Anticorrosive effects and antimicrobial properties of alkyl dimethyl(hydroxyalkyl) ammonium bromides. <i>Petroleum Chemistry</i> , 2011 , 51, 293-298	1.1	3
34	Triphenylphosphonium conjugates of 1,2,3-triazolyl nucleoside analogues. Synthesis and cytotoxicity evaluation. <i>Medicinal Chemistry Research</i> , 2020 , 29, 2203-2217	2.2	3
33	On the Effect of the Nature of Substituents on the Antimicrobial Activity of Water-Soluble Acylhydrazones on the Isatin Scaffold. <i>Doklady Chemistry</i> , 2020 , 494, 136-140	0.8	3
32	Bis(hydroxycycloalkyl)phosphine Oxides Obtained from White Phosphorus via Phosphine Oxide H ₂ PO: Synthesis, Molecular Structure, Coordination Properties and Biological Activity. <i>ChemPlusChem</i> , 2020 , 85, 958-962	2.8	3
31	Synthesis and Antimicrobial Activity of New Dialkyl(diaryl)-2-(5-chloro-2-hydroxyphenyl)-2-(phenylethenyl)pentylphosphonium Salts. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 1800-1805	0.7	3
30	Sterically Hindered Quaternary Phosphonium Salts (QPSs): Antimicrobial Activity and Hemolytic and Cytotoxic Properties.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	3
29	Allobetulin N-acetylglucosaminide. Synthesis and antimicrobial activity. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 890-893	0.7	2
28	Synthesis and Biological Activity of 3,4-Tri-O-Acetyl-N-Acetylglucosamine and Tetraacetylglucopyranose Conjugated with Alkyl Phosphates. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 155-164	1	2
27	Synthesis and Antimicrobial Activity of Dihydrobetulin N-Acetylglucosaminides. <i>Chemistry of Natural Compounds</i> , 2017 , 53, 1101-1106	0.7	2
26	Complexes of rhodium(III) with N-functionalized-calix[4]resorcinolol. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 1323-1333	0.7	2

25	Impact of oppositely charged shell and cores on interaction of core-shell colloids with differently charged proteins as a route for tuning of the colloids cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111306	6	2
24	Polymer-Colloid Complexes Based on Cationic Imidazolium Amphiphile, Polyacrylic Acid and DNA Decamer. <i>Molecules</i> , 2021 , 26,	4.8	2
23	Novel Hybrid Compounds Containing Benzofuroxan and Aminothiazole Scaffolds: Synthesis and Evaluation of Their Anticancer Activity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
22	Synthesis and study of antimicrobial activity of quaternary ammonium benzofuroxan salts. <i>Monatshefte Für Chemie</i> , 2018 , 149, 119-126	1.4	2
21	Synthesis, antimicrobial activity and cytotoxicity of triphenylphosphonium (TPP) conjugates of 1,2,3-triazolyl nucleoside analogues. <i>Bioorganic Chemistry</i> , 2021 , 116, 105328	5.1	2
20	Antimicrobial Properties and Cytotoxic Effect of Imidazolium Geminis with Tunable Hydrophobicity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
19	Synthesis of new 2-[2-(dialkyl(diaryl)-phosphoryl)-2-methylpropyl]quinoline-4-carboxylic acids. <i>Chemistry of Heterocyclic Compounds</i> , 2015 , 51, 717-722	1.4	1
18	Relationship between self-organization and biological activity of highly diluted solutions of a tetrahydrazide tetrathiacalix[4]arene derivative. <i>Doklady Physical Chemistry</i> , 2015 , 464, 251-254	0.8	1
17	Reactions of chlorodinitro- and dichlorodinitrobenzofuroxans with 4-[(4-aminophenyl)sulfonyl]aniline. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 1599-1600	0.7	1
16	Pyrimidinophane p-toluenesulfonate Water-soluble pyrimidine-containing macrocycles. <i>Russian Journal of General Chemistry</i> , 2009 , 79, 134-137	0.7	1
15	Copper(II) Complexes with N,O-Hybrid Ligands based on Pyridyl-Containing Phospholane Oxides. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020 , 46, 600-607	1.6	1
14	T2- and T1 relaxivities and magnetic hyperthermia of iron-oxide nanoparticles combined with paramagnetic Gd complexes. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8	1
13	The Highly Regioselective Synthesis of Novel Imidazolidin-2-Ones via the Intramolecular Cyclization/Electrophilic Substitution of Urea Derivatives and the Evaluation of Their Anticancer Activity. <i>Molecules</i> , 2021 , 26,	4.8	1
12	Silica-Supported Assemblage of CuII Ions with Carbon Dots for Self-Boosting and Glutathione-Induced ROS Generation. <i>Coatings</i> , 2022 , 12, 97	2.9	0
11	Synthesis and Antitubercular and Antibacterial Activities of Triethylammonium 2-Acetamido-3,4,6-tri-O-acetyl-2-deoxy-D-glucopyranosyl Decyl Phosphate. <i>Russian Journal of Organic Chemistry</i> , 2018 , 54, 1333-1336	0.7	0
10	Complex of alkylated derivative of 1,4-diazabicyclo[2.2.2]octane with palladium dichloride: synthesis, self-association, and biological activity. <i>Russian Chemical Bulletin</i> , 2022 , 71, 314-321	1.7	0
9	Dicationic Imidazolium Surfactants with a Hydroxyl Substituent in the Spacer Fragment. <i>Russian Journal of General Chemistry</i> , 2022 , 92, 659-667	0.7	0
8	Synthesis of First Representatives of Isatin 1,2,3-Thiadiazolylcarbonylhydrazones. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 917-920	0.7	

- 7 Synthesis and Antitubercular, Antimicrobial, and Hemolytic Activity of Methyl D-Glucopyranuronate and Its Simplest Derivatives. *Russian Journal of General Chemistry*, **2017**, 87, 2816-2825 0.7
- 6 Synthesis and Antibacterial Activity of Cellulose Modified with Ciprofloxacin Fragments. *Polymer Science - Series D*, **2021**, 14, 575-579 0.4
- 5 Effect of Structure of 1-Substituted Isatins on Direction of Their Reactions with Some Acetohydrazide Ammonium Derivatives. *Russian Journal of General Chemistry*, **2020**, 90, 1591-1600 0.7
- 4 New diacetamides based on C-arylphosphorylated derivatives of 2,6-diaminopyridine and 1,3-diaminobenzene. *Russian Chemical Bulletin*, **2020**, 69, 2135-2139 1.7
- 3 Synthesis and Antimicrobial Activity of Amines Containing Carbamoylmethylsulfonyl Fragments. *Russian Journal of General Chemistry*, **2018**, 88, 2263-2268 0.7
- 2 Synthesis of Triazolylisatins Glycoconjugates and Some Ammonium Hydrazones on Their Basis. *Russian Journal of General Chemistry*, **2021**, 91, 1282-1291 0.7
- 1 Synthesis and Antimicrobial, Antiplatelet, and Anticoagulant Activities of New Isatin Deivatives Containing a Hetero-Fused Imidazole Fragment. *Russian Journal of Organic Chemistry*, **2022**, 58, 327-334^{0.7}