

Alexandra D Voloshina

List of Publications by Year in descending order

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102
papers

1,206
citations

430442

18
h-index

552369

26
g-index

104
all docs

104
docs citations

104
times ranked

1003
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Russian Journal of Bioorganic Chemistry, 2017, 43, 170-176.	0.3	53
2	Mitochondria-targeted cationic liposomes modified with alkyltriphenylphosphonium bromides loaded with hydrophilic drugs: preparation, cytotoxicity and colocalization assay. Journal of Materials Chemistry B, 2019, 7, 7351-7362.	2.9	41
3	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.	2.5	38
4	Alkylated 1,4-diazabicyclo[2.2.2]octanes: self-association, catalytic properties, and biological activity. Russian Chemical Bulletin, 2012, 61, 113-120.	0.4	37
5	The structure-Activity correlation in the family of dicationic imidazolium surfactants: Antimicrobial properties and cytotoxic effect. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129728.	1.1	34
6	Self-assembled systems based on novel hydroxyethylated imidazolium-containing amphiphiles: Interaction with DNA decamer, protein and lipid. Chemistry and Physics of Lipids, 2019, 223, 104791.	1.5	33
7	Synthesis and biological evaluation of novel structural hybrids of benzofuroxan derivatives and fluoroquinolones. European Journal of Medicinal Chemistry, 2016, 116, 165-172.	2.6	30
8	Synthesis, structure-activity relationship and biological evaluation of tetracationic gemini Dabco-surfactants for transdermal liposomal formulations. International Journal of Pharmaceutics, 2020, 575, 118953.	2.6	29
9	Antimicrobial and cytotoxic effects of ammonium derivatives of diterpenoids steviol and isosteviol. Bioorganic and Medicinal Chemistry, 2021, 32, 115974.	1.4	29
10	Antimicrobial activity of pyrimidinophanes with thiocytosine and uracil moieties. European Journal of Medicinal Chemistry, 2011, 46, 4715-4724.	2.6	27
11	Synthesis and antimicrobial activity evaluation of some novel water-soluble isatin-3-acylhydrazones. Monatshefte für Chemie, 2018, 149, 111-117.	0.9	24
12	Synthesis of 2-(2-hydroxyaryl)alkenylphosphonium salts from phosphine oxides via ring-closing ring-opening approach and their antimicrobial evaluation. Tetrahedron, 2016, 72, 8493-8501.	1.0	22
13	Novel self-assembling systems based on imidazolium amphiphiles with cleavable urethane fragment for construction of soft nanocontainers for biomedicine application. Journal of Molecular Liquids, 2020, 298, 111961.	2.3	22
14	Macrocyclic and acyclic 1,3-bis[5-(trialkylammonio)pentyl]-5(6)-substituted uracil dibromides: synthesis, antimicrobial properties, and the structure-activity relationship. Russian Chemical Bulletin, 2015, 64, 2885-2896.	0.4	20
15	Nanoscale hydrophilic colloids with high relaxivity and low cytotoxicity based on Gd(III) complexes with Keplerate polyanions. New Journal of Chemistry, 2017, 41, 5271-5275.	1.4	19
16	Isatin Derivatives Containing Sterically Hindered Phenolic Fragment and Water-Soluble Acyl Hydrazones on Their Basis: Synthesis and Antimicrobial Activity. Russian Journal of General Chemistry, 2018, 88, 57-67.	0.3	19
17	Tuning magnetic relaxation properties of hard cores in core-shell colloids by modification of soft shell. Colloids and Surfaces B: Biointerfaces, 2018, 162, 52-59.	2.5	19
18	Synthesis of Novel 2-(Het)arylpyrrolidine Derivatives and Evaluation of Their Anticancer and Anti-Biofilm Activity. Molecules, 2019, 24, 3086.	1.7	19

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19	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.	2.8	19
20	Synthesis and Antimicrobial Study of Novel Benzylated Water-Soluble Isatin-Based Hydrazones. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800088.	1.0	18
21	Sterically Hindered Quaternary Phosphonium Salts (QPSs): Antimicrobial Activity and Hemolytic and Cytotoxic Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 86.	1.8	18
22	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.	0.3	17
23	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.	0.6	17
24	Synthesis, antimicrobial activity and cytotoxicity of triphenylphosphonium (TPP) conjugates of 1,2,3-triazolyl nucleoside analogues. <i>Bioorganic Chemistry</i> , 2021, 116, 105328.	2.0	17
25	The Study of the Biological Activity of Amino-Substituted Benzofuroxans. <i>Letters in Drug Design and Discovery</i> , 2014, 11, 502-512.	0.4	17
26	Aggregation behavior, anticorrosion effect, and antimicrobial activity of alkylmethylmorpholinium bromides. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014, 50, 538-542.	0.3	16
27	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.	1.7	16
28	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.	2.6	16
29	Cationic Imidazolium Amphiphiles Bearing a Methoxyphenyl Fragment: Synthesis, Self-Assembly Behavior, and Antimicrobial Activity. <i>Langmuir</i> , 2022, 38, 4921-4934.	1.6	16
30	Synthesis, Properties, and Antimicrobial Activity of Pectin Complexes with Cobalt and Nickel. <i>Chemistry of Natural Compounds</i> , 2016, 52, 26-31.	0.2	15
31	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.	0.7	15
32	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.	0.9	15
33	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.	0.2	14
34	Synthesis and anti-cancer activities of glycosides and glycoconjugates of diterpenoid isosteviol. <i>MedChemComm</i> , 2019, 10, 1488-1498.	3.5	14
35	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.	0.3	13
36	Synthesis and Biological Evaluation of New Isatin-Based QACs with High Antimicrobial Potency. <i>ChemistrySelect</i> , 2019, 4, 6162-6166.	0.7	13

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37	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.	0.3	13
38	Antimicrobial Properties and Cytotoxic Effect of Imidazolium Geminis with Tunable Hydrophobicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13148.	1.8	13
39	Synthesis, Toxicity, and Antituberculosis Activity of Isoniazid Derivatives Containing Sterically Hindered Phenols. <i>Pharmaceutical Chemistry Journal</i> , 2014, 48, 5-7.	0.3	12
40	Versatile approach to naphthoquinone phosphonium salts and evaluation of their biological activity. <i>Mendeleev Communications</i> , 2019, 29, 435-437.	0.6	12
41	Dual red-NIR luminescent Eu Yb heterolanthanide nanoparticles as promising basis for cellular imaging and sensing. <i>Materials Science and Engineering C</i> , 2019, 105, 110057.	3.8	12
42	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.	3.8	12
43	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.	1.5	12
44	Synthesis and antibacterial and antifungal properties of some phosphorus-containing 1,2-dihydroxynaphthalenes. <i>Pharmaceutical Chemistry Journal</i> , 2009, 43, 610-612.	0.3	11
45	Design, synthesis, and biological activity of novel ammonium salts containing sterically hindered phenolic fragment and phosphoryl group. <i>MedChemComm</i> , 2018, 9, 2106-2120.	3.5	11
46	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.	0.3	11
47	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.	1.7	11
48	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.	0.3	10
49	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.	0.4	10
50	Terbium(III)-thiacalix[4]arene nanosensor for highly sensitive intracellular monitoring of temperature changes within the 303-313 K range. <i>Scientific Reports</i> , 2020, 10, 20541.	1.6	10
51	Synthesis and antimicrobial activity of pyrimidinophanes containing a uracil moiety and a bridging sulfur atom. <i>Pharmaceutical Chemistry Journal</i> , 2010, 44, 130-133.	0.3	9
52	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.	1.2	9
53	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, 4432.	1.7	9
54	Rational Design 2-Hydroxypropylphosphonium Salts as Cancer Cell Mitochondria-Targeted Vectors: Synthesis, Structure, and Biological Properties. <i>Molecules</i> , 2021, 26, 6350.	1.7	9

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55	Silica-Supported Assemblage of Cull Ions with Carbon Dots for Self-Boosting and Glutathione-Induced ROS Generation. <i>Coatings</i> , 2022, 12, 97.	1.2	9
56	Synthesis and antimicrobial activity of several bis-quaternized ammonium derivatives of the diterpenoid isosteviol. <i>Chemistry of Natural Compounds</i> , 2012, 47, 914-917.	0.2	8
57	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.	0.2	8
58	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.	1.1	8
59	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.	2.5	8
60	Bis(\pm -hydroxycycloalkyl)phosphine Oxides Obtained from White Phosphorus via Phosphine Oxide H ₃ PO: Synthesis, Molecular Structure, Coordination Properties and Biological Activity. <i>ChemPlusChem</i> , 2020, 85, 958-962.	1.3	8
61	Novel Hybrid Compounds Containing Benzofuroxan and Aminothiazole Scaffolds: Synthesis and Evaluation of Their Anticancer Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7497.	1.8	8
62	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.	0.4	8
63	Synthesis and Antimicrobial Activity of Dihydrobetulin N-Acetylglucosaminides. <i>Chemistry of Natural Compounds</i> , 2017, 53, 1101-1106.	0.2	7
64	Synthesis and Biological Activity of Alkane-1,1-diylbis(phosphonates) of Diterpenoid Isosteviol. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 17-24.	0.3	7
65	Triphenylphosphonium conjugates of 1,2,3-triazolyl nucleoside analogues. Synthesis and cytotoxicity evaluation. <i>Medicinal Chemistry Research</i> , 2020, 29, 2203-2217.	1.1	7
66	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.	2.5	7
67	Polymer-Colloid Complexes Based on Cationic Imidazolium Amphiphile, Polyacrylic Acid and DNA Decamer. <i>Molecules</i> , 2021, 26, 2363.	1.7	7
68	Synthesis and Antiviral Evaluation of Nucleoside Analogues Bearing One Pyrimidine Moiety and Two D-Ribofuranosyl Residues. <i>Molecules</i> , 2021, 26, 3678.	1.7	7
69	Esterification of betulin with γ -bromoalkanoic acids. <i>Russian Journal of Organic Chemistry</i> , 2015, 51, 1318-1323.	0.3	6
70	Co-Ligand Induced Chiral Recognition of N-Thiophosphorylated Thioureas in Crystalline Ni(II) Complexes. <i>Crystal Growth and Design</i> , 2019, 19, 4044-4056.	1.4	6
71	Ammonium-Charged Sterically Hindered Phenols with Antioxidant and Selective Anti-Gram-Positive Bacterial Activity. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000147.	1.0	6
72	Metal binding properties of pyrimidinophanes and their acyclic counterparts. <i>RSC Advances</i> , 2014, 4, 10228.	1.7	5

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73	Synthesis and Antimicrobial Activity of Glucuronosyl Derivatives of Steviolbioside from <i>Stevia rebaudiana</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 1107-1111.	0.2	5
74	Phosphates of the Diterpenoid Isosteviol. Synthesis and Biological Activity#. <i>Chemistry of Natural Compounds</i> , 2018, 54, 688-694.	0.2	5
75	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.	0.3	5
76	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.	0.2	5
77	Design of Novel 4-Aminobenzofuroxans and Evaluation of Their Antimicrobial and Anticancer Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8292.	1.8	5
78	Dicationic Imidazolium Surfactants with a Hydroxyl Substituent in the Spacer Fragment. <i>Russian Journal of General Chemistry</i> , 2022, 92, 659-667.	0.3	5
79	Anticorrosive effects and antimicrobial properties of alkyl dimethyl(hydroxyalkyl) ammonium bromides. <i>Petroleum Chemistry</i> , 2011, 51, 293-298.	0.4	4
80	Benzofuroxans containing NO-generating fragment. <i>Russian Journal of General Chemistry</i> , 2013, 83, 1007-1009.	0.3	4
81	Synthesis and study of antimicrobial activity of quaternary ammonium benzofuroxan salts. <i>Monatshefte für Chemie</i> , 2018, 149, 119-126.	0.9	4
82	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.	0.3	4
83	Synthesis of New Sodium Pectinate Metal Complexes with Cobalt and Nickel Ions and Their Antimicrobial Activity. <i>Doklady Chemistry</i> , 2019, 487, 207-211.	0.2	4
84	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.	0.7	4
85	Synthesis and Antimicrobial, Antiplatelet, and Anticoagulant Activities of New Isatin Derivatives Containing a Hetero-Fused Imidazole Fragment. <i>Russian Journal of Organic Chemistry</i> , 2022, 58, 327-334.	0.3	4
86	Complexes of rhodium(III) with N-functionalized calix[4]resorcinolol. <i>Russian Journal of General Chemistry</i> , 2012, 82, 1323-1333.	0.3	3
87	Synthesis of new 2-[2-(dialkyl(diaryl)-phosphoryl)-2-methylpropyl]quinoline-4-carboxylic acids. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 717-722.	0.6	3
88	Allobetulin N-acetylglucosaminide. Synthesis and antimicrobial activity. <i>Russian Journal of General Chemistry</i> , 2017, 87, 890-893.	0.3	3
89	Synthesis and Biological Activity of 3,4-Tri- <i>O</i> -Acetyl-N-Acetylglucosamine and Tetraacetylglucopyranose Conjugated with Alkyl Phosphates. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 155-164.	0.3	3
90	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.	0.2	2

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91	Dicarbamate Surfactant " Tween 80 Binary Systems: Aggregation, Antimicrobial Activity and Membranotropic Properties. Zhidkie Kristally I kh Prakticheskoe Ispol'zovanie, 2022, 22, 6-18.	0.0	2
92	Pyrimidinophane p-toluenesulfonate"Water-soluble pyrimidine-containing macrocycles. Russian Journal of General Chemistry, 2009, 79, 134-137.	0.3	1
93	Reactions of chlorodinitro- and dichlorodinitrobenzofuroxans with 4-[(4-aminophenyl)sulfonyl]aniline. Russian Journal of General Chemistry, 2012, 82, 1599-1600.	0.3	1
94	Synthesis and Antitubercular and Antibacterial Activities of Triethylammonium 2-Acetamido-3,4,6-tri-O-acetyl-2-deoxy-D-glucopyranosyl Decyl Phosphate. Russian Journal of Organic Chemistry, 2018, 54, 1333-1336.	0.3	1
95	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.	0.3	1
96	Synthesis of Triazolylisatins Glycoconjugates and Some Ammonium Hydrazones on Their Basis. Russian Journal of General Chemistry, 2021, 91, 1282-1291.	0.3	1
97	Synthesis and Antitubercular, Antimicrobial, and Hemolytic Activity of Methyl D-Glucopyranuronate and Its Simplest Derivatives. Russian Journal of General Chemistry, 2017, 87, 2816-2825.	0.3	0
98	Synthesis and Antimicrobial Activity of Amines Containing Carbamoylmethylsulfonyl Fragments. Russian Journal of General Chemistry, 2018, 88, 2263-2268.	0.3	0
99	New diacetamides based on C-arylphosphorylated derivatives of 2,6-diaminopyridine and 1,3-diaminobenzene. Russian Chemical Bulletin, 2020, 69, 2135-2139.	0.4	0
100	Synthesis of First Representatives of Isatin 1,2,3-Thiadiazolylcarbonylhydrazones. Russian Journal of General Chemistry, 2020, 90, 917-920.	0.3	0
101	Synthesis and Antibacterial Activity of Cellulose Modified with Ciprofloxacin Fragments. Polymer Science - Series D, 2021, 14, 575-579.	0.2	0
102	Glutathione responsive nanocarrier based on viologen resorcinarene cavitand and 1-allylthymine. New Journal of Chemistry, 0, , .	1.4	0