Alexander A Shtil

List of Publications by Year
in descending order

150 papers	3,443 citations	186209 28 h-index	175177 52 g-index
161 all docs	161 docs citations	161 times ranked	3863 citing authors

#	Article	IF	Citations
1	Cell Adhesion Mediated Drug Resistance (CAM-DR): Role of Integrins and Resistance to Apoptosis in Human Myeloma Cell Lines. Blood, 1999, 93, 1658-1667.	0.6	804
2	Development of a Purine-Scaffold Novel Class of Hsp90 Binders that Inhibit the Proliferation of Cancer Cells and Induce the Degradation of Her2 Tyrosine Kinase. Bioorganic and Medicinal Chemistry, 2002, 10, 3555-3564.	1.4	209
3	Differential regulation of mitogen-activated protein kinases by microtubule-binding agents in human breast cancer cells. Oncogene, 1999, 18, 377-384.	2.6	143
4	Adriamycin activates c-jun N-terminal kinase in human leukemia cells: a relevance to apoptosis. Cancer Letters, 1996, 107, 73-81.	3.2	108
5	Bacteriochlorophyll a and Its Derivatives: Chemistry and Perspectives for Cancer Therapy. Anti-Cancer Agents in Medicinal Chemistry, 2008, 8, 683-697.	0.9	67
6	Novel boronated chlorin e6-based photosensitizers: Synthesis, binding to albumin and antitumour efficacy. Bioorganic and Medicinal Chemistry, 2009, 17, 1297-1306.	1.4	60
7	Novel boronated derivatives of 5,10,15,20-tetraphenylporphyrin: Synthesis and toxicity for drug-resistant tumor cells. Bioorganic and Medicinal Chemistry, 2006, 14, 109-120.	1.4	58
8	Discovery of antitumor anthra[2,3-b]furan-3-carboxamides: Optimization of synthesis and evaluation of antitumor properties. European Journal of Medicinal Chemistry, 2016, 112, 114-129.	2.6	48
9	The Water Channels, New Druggable Targets to Combat Cancer Cell Survival,Invasiveness and Metastasis. Current Drug Targets, 2007, 8, 1132-1137.	1.0	44
10	Fighting Tumor Cell Survival: Advances in the Design and Evaluation of Pim Inhibitors. Current Medicinal Chemistry, 2010, 17, 4114-4133.	1.2	41
11	Disordering of Human Telomeric G-Quadruplex with Novel Antiproliferative Anthrathiophenedione. PLoS ONE, 2011, 6, e27151.	1.1	41
12	Cytokine-Based Tumor Cell Vaccine Is Equally Effective Against Parental and Isogenic Multidrug-Resistant Myeloma Cells: The Role of Cytotoxic T Lymphocytes. Blood, 1999, 93, 1831-1837.	0.6	40
13	3-Aminomethyl derivatives of 4,11-dihydroxynaphtho[2,3-f]indole-5,10-dione for circumvention of anticancer drug resistance. Bioorganic and Medicinal Chemistry, 2005, 13, 2285-2291.	1.4	39
14	Synthesis and cytotoxic properties of 4,11-bis[(aminoethyl)amino]anthra[2,3-b]thiophene-5,10-diones, novel analogues of antitumor anthracene-9,10-diones. Bioorganic and Medicinal Chemistry, 2009, 17, 1861-1869.	1.4	39
15	Signal Transduction Pathways and Transcriptional Mechanisms as Targets for Prevention of Emergence of Multidrug Resistance in Human Cancer Cells. Current Drug Targets, 2001, 2, 57-77.	1.0	38
16	Effects of Isoprenoid Analogues ofSDB-Ethylenediamine on Multidrug Resistant Tumor Cells Alone and in Combination with Chemotherapeutic Drugs. Journal of Medicinal Chemistry, 2002, 45, 5330-5339.	2.9	38
17	Novel metal complexes of boronated chlorin e6 for photodynamic therapy. Journal of Organometallic Chemistry, 2009, 694, 1632-1637.	0.8	38
18	Expression of Peroxiredoxin 1, 2, 3, and 6 Genes in Cancer Cells during Drug Resistance Formation. Bulletin of Experimental Biology and Medicine, 2012, 153, 879-882.	0.3	36

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19	Redundancy of Biological Regulation as the Basis of Emergence of Multidrug Resistance. International Review of Cytology, 2005, 246, 1-29.	6.2	36
20	Inhibition of cytarabine-inducedMDR1 (P-glycoprotein) gene activation in human tumor cells by fatty acid-polyethylene glycol-fatty acid diesters, novel inhibitors of P-glycoprotein function. , 1996, 68, 245-250.		35
21	Search for Inhibitors of Bacterial and Human Protein Kinases among Derivatives of Diazepines[1,4] Annelated with Maleimide and Indole Cycles. Journal of Medicinal Chemistry, 2008, 51, 7731-7736.	2.9	34
22	Novel Photosensitizers Trigger Rapid Death of Malignant Human Cells and Rodent Tumor Transplants via Lipid Photodamage and Membrane Permeabilization. PLoS ONE, 2010, 5, e12717.	1.1	33
23	Carboranylporphyrins for Boron Neutron Capture Therapy of Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2003, 3, 383-392.	7.0	33
24	Boronated protohaemins: synthesis and in vivo antitumour efficacy. Organic and Biomolecular Chemistry, 2006, 4, 3815.	1.5	32
25	The Modified Heparin-Binding l-Asparaginase of Wolinella succinogenes. Molecular Biotechnology, 2016, 58, 528-539.	1.3	32
26	Identifying Cancers Impacted by CDK8/19. Cells, 2019, 8, 821.	1.8	31
27	Novel curcumin derivatives as P-glycoprotein inhibitors: Molecular modeling, synthesis and sensitization of multidrug resistant cells to doxorubicin. European Journal of Medicinal Chemistry, 2020, 198, 112331.	2.6	31
28	Bacterial Eukaryotic Type Serine-Threonine Protein Kinases: From Structural Biology to Targeted Anti-Infective Drug Design. Current Topics in Medicinal Chemistry, 2011, 11, 1352-1369.	1.0	29
29	The first series of 4,11-bis[(2-aminoethyl)amino]anthra[2,3-b]furan-5,10-diones: Synthesis and anti-proliferative characteristics. European Journal of Medicinal Chemistry, 2011, 46, 423-428.	2.6	29
30	Synthesis and Characterization of 4,11-Diaminoanthra[2,3-b]furan-5,10-diones: Tumor Cell Apoptosis through tNOX-Modulated NAD⁺/NADH Ratio and SIRT1. Journal of Medicinal Chemistry, 2015, 58, 9522-9534.	2.9	29
31	Applications of green fluorescent protein as a marker of retroviral vectors. Somatic Cell and Molecular Genetics, 1997, 23, 325-340.	0.7	27
32	New anthra[2,3-b]furancarboxamides: A role of positioning of the carboxamide moiety in antitumor properties. European Journal of Medicinal Chemistry, 2019, 165, 31-45.	2.6	27
33	The role of Î²1 integrin subfamily in anchorage-dependent apoptosis of breast carcinoma cells differing in multidrug resistance. Biochemistry (Moscow), 2006, 71, 489-495.	0.7	26
34	Developing Antitumor Magnetic Hyperthermia: Principles, Materials and Devices. Recent Patents on Anti-Cancer Drug Discovery, 2016, 11, 360-375.	0.8	26
35	New antitumor anthra[2,3-b]furan-3-carboxamides: Synthesis and structure-activity relationship. European Journal of Medicinal Chemistry, 2018, 148, 128-139.	2.6	26
36	In Silico Design of Protein Kinase Inhibitors: Successes and Failures. Anti-Cancer Agents in Medicinal Chemistry, 2007, 7, 171-188.	0.9	25

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37	Novel multi-targeting anthra[2,3-b]thiophene-5,10-diones with guanidine-containing side chains: Interaction with telomeric G-quadruplex, inhibition of telomerase and topoisomerase I and cytotoxic properties. European Journal of Medicinal Chemistry, 2014, 85, 605-614.	2.6	25
38	Naphthoindole-based analogues of tryptophan and tryptamine: Synthesis and cytotoxic properties. Bioorganic and Medicinal Chemistry, 2007, 15, 2651-2659.	1.4	24
39	Topoisomerase I and II inhibitors: chemical structure, mechanisms of action and role in cancer chemotherapy. Russian Chemical Reviews, 2014, 83, 82-94.	2.5	24
40	Synthesis and evaluation of new antitumor 3-aminomethyl-4,11-dihydroxynaphtho[2,3-f]indole-5,10-diones. European Journal of Medicinal Chemistry, 2014, 86, 797-805.	2.6	24
41	New conjugates of polyene macrolide amphotericin B with benzoxaboroles: synthesis and properties. Journal of Antibiotics, 2016, 69, 549-560.	1.0	24
42	Amides of pyrrole- and thiophene-fused anthraquinone derivatives: A role of the heterocyclic core in antitumor properties. European Journal of Medicinal Chemistry, 2020, 199, 112294.	2.6	22
43	Modification of olivomycin A at the side chain of the aglycon yields the derivative with perspective antitumor characteristics. Bioorganic and Medicinal Chemistry, 2011, 19, 7387-7393.	1.4	21
44	Expression of Genes of Glutathione Transferase Isoforms GSTP1-1, GSTA4-4, and GSTK1-1 in Tumor Cells during the Formation of Drug Resistance to Cisplatin. Bulletin of Experimental Biology and Medicine, 2012, 154, 64-67.	0.3	20
45	Quantitative real-time analysis of nucleolar stress by coherent phase microscopy. Journal of Biomedical Optics, 2008, 13, 064032.	1.4	19
46	Synthesis and structureâ€“activity relationship studies of 4,11-diaminonaphtho[2,3-f]indole-5,10-diones. Bioorganic and Medicinal Chemistry, 2006, 14, 5241-5251.	1.4	18
47	Synthesis and cytotoxic potency of novel tris(1-alkylindol-3-yl)methylium salts: Role of N-alkyl substituents. Bioorganic and Medicinal Chemistry, 2010, 18, 6905-6913.	1.4	18
48	The X-ray structure ofSalmonella typhimuriumuridine nucleoside phosphorylase complexed with 2,2â€²-anhydrouridine, phosphate and potassium ions at 1.86â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 51-60.	2.5	18
49	5,10,15,20-Tetra-(N-methyl-3-pyridyl)porphyrin destabilizes the antiparallel telomeric quadruplex d(TTAGGG)4. Molecular Biology, 2010, 44, 823-831.	0.4	18
50	Synthesis and cytotoxicity of oligomycin A derivatives modified in the side chain. Bioorganic and Medicinal Chemistry, 2013, 21, 2918-2924.	1.4	18
51	Carborane derivatives of 1,2,3-triazole depolarize mitochondria by transferring protons through the lipid part of membranes. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 573-583.	1.4	18
52	Modification of the antibiotic olivomycin I at the 2â€²-keto group of the side chain. Novel derivatives, antitumor and topoisomerase I-poisoning activity. Journal of Antibiotics, 2009, 62, 37-41.	1.0	17
53	Synthesis of fluoromethyl-containing analogs of antitumor alkaloid luotonin A. Russian Chemical Bulletin, 2010, 59, 209-218.	0.4	17
54	Pim family of protein kinases: Structure, functions, and roles in hematopoietic malignancies. Molecular Biology, 2011, 45, 695-703.	0.4	17

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55	Synthesis and biological activity of pyrazole analogues of the staurosporine aglycon K252c. Bioorganic and Medicinal Chemistry, 2016, 24, 3116-3124.	1.4	17
56	60-Hz Electric Fields Inhibit Protein Kinase C Activity and Multidrug Resistance Gene (MDR1) Up-Regulation. Radiation Research, 1997, 147, 369.	0.7	16
57	Î²-Maleimide substituted meso-arylporphyrins: Synthesis, transformations, physico-chemical and antitumor properties. Dyes and Pigments, 2019, 171, 107760.	2.0	16
58	Synthesis and antitumor activity of novel tetrakis[4-(closo-carboranylthio)tetrafluorophenyl]porphyrins. Russian Chemical Bulletin, 2014, 63, 2383-2387.	0.4	15
59	Emergence of Multidrug Resistance in Leukemia Cells During Chemotherapy: Mechanisms and Prevention. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 231-241.	1.8	14
60	Reaction of the antitumor antibiotic olivomycin I with aryl diazonium salts. Synthesis, cytotoxic and antiretroviral potency of 5-aryldiazenyl-6-O-deglycosyl derivatives of olivomycin I. Bioorganic and Medicinal Chemistry, 2009, 17, 4961-4967.	1.4	14
61	PFâ€˜114, a novel selective inhibitor of BCRâ€˜ABL tyrosine kinase, is a potent inducer of apoptosis in chronic myelogenous leukemia cells. International Journal of Oncology, 2019, 55, 289-297.	1.4	14
62	Clinical Correlations of Polycomb Repressive Complex 2 in Different Tumor Types. Cancers, 2021, 13, 3155.	1.7	14
63	Partial restoration of the actin cytoskeleton in transformed Syrian hamster fibroblasts selected for low levels of â€˜typicalâ€™ multidrug resistance. FEBS Letters, 1994, 341, 295-298.	1.3	13
64	Novel Antitumor <scp>L</scp>â€Arabinose Derivative of Indolocarbazole with High Affinity to DNA. ChemMedChem, 2009, 4, 1641-1648.	1.6	13
65	Casein kinase 2, a versatile regulator of cell surviva. Molecular Biology, 2012, 46, 381-390.	0.4	13
66	Preferential DNA photocleavage potency of Zn(II) over Ni(II) derivatives of carboxymethyl tetracationic porphyrin: the role of the mode of binding to DNA. European Biophysics Journal, 2014, 43, 545-554.	1.2	13
67	Aminomethylation of heliomycin: Preparation and anticancer characterization of the first series of semi-synthetic derivatives. European Journal of Medicinal Chemistry, 2018, 143, 1553-1562.	2.6	13
68	Multidrug-resistant tumor cells with decreased malignancy: a role for integrin Î±vÎ²3. Biochemical and Biophysical Research Communications, 2004, 316, 1173-1177.	1.0	12
69	Synthesis of boron-containing derivatives of pyropheophorbide a and investigation of their photophysical and biological properties. Russian Journal of Organic Chemistry, 2007, 43, 1243-1251.	0.3	12
70	The role of carboxymethyl substituents in the interaction of tetracationic porphyrins with DNA. European Biophysics Journal, 2012, 41, 723-732.	1.2	12
71	Conjugates of phosphorylated zalcitabine and lamivudine with SiO2 nanoparticles: Synthesis by CuAAC click chemistry and preliminary assessment of anti-HIV and antiproliferative activity. Bioorganic and Medicinal Chemistry, 2017, 25, 1696-1702.	1.4	12
72	Thiophene-2-carboxamide derivatives of anthraquinone: A new potent antitumor chemotype. European Journal of Medicinal Chemistry, 2021, 221, 113521.	2.6	12

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73	Olivomycin Induces Tumor Cell Apoptosis and Suppresses p53-Induced Transcription. Bulletin of Experimental Biology and Medicine, 2005, 139, 455-459.	0.3	11
74	New carborane derivatives of chlorin e6. Doklady Chemistry, 2006, 409, 135-138.	0.2	11
75	N-benzoxazol-2-yl-Nâ€²-1-(isoquinolin-3-yl-ethylidene)-hydrazine, a novel compound with antitumor activity, induces radicals and dissipation of mitochondrial membrane potential. Investigational New Drugs, 2009, 27, 189-202.	1.2	11
76	A novel acyclic oligomycin A derivative formed via retro-aldol rearrangement of oligomycin A. Journal of Antibiotics, 2012, 65, 405-411.	1.0	10
77	The synthetic fluorinated tetracarboranylchlorin as a versatile antitumor photoradiosensitizer. Dyes and Pigments, 2021, 186, 108993.	2.0	10
78	Differential Effects of the MDR1 (Multidrug Resistance) Gene-Activating Agents on Protein Kinase C: Evidence for Redundancy of Mechanisms of Acquired MDR in Leukemia Cells. Leukemia and Lymphoma, 2000, 40, 191-195.	0.6	9
79	Carminomycin, 14-Hydroxycarminomycin and Its Novel Carbohydrate Derivatives Potently Kill Human Tumor Cells and Their Multidrug Resistant Variants. Journal of Antibiotics, 2004, 57, 143-150.	1.0	9
80	New 9-Isocyanato-o- and 9-Isocyanato-m-carboranes: Synthesis and Chemical and Biological Properties. Doklady Chemistry, 2005, 405, 230-234.	0.2	9
81	Ether Lipids as Anticancer Agents: Focus on Non-Phosphorus Cationic Glycerolipids. Mini-Reviews in Medicinal Chemistry, 2006, 6, 533-542.	1.1	9
82	New carboranylporphyrins based on 2-formyl-5,10,15,20-tetraphenylporphyrin and functionally substituted o-and m-carboranes: Synthesis and biological properties. Doklady Chemistry, 2007, 414, 120-124.	0.2	9
83	Identification of phosphorylation sites in aminoglycoside phosphotransferase VIII from Streptomyces rimosus. Biochemistry (Moscow), 2012, 77, 1258-1265.	0.7	9
84	Role of the acyl groups in carbohydrate chains in cytotoxic properties of olivomycin A. Journal of Antibiotics, 2013, 66, 523-530.	1.0	9
85	Virtual screening of chemical compounds active against breast cancer cell lines based on cell cycle modelling, prediction of cytotoxicity and interaction with targets. SAR and QSAR in Environmental Research, 2015, 26, 595-604.	1.0	9
86	Reactions of hydrazones derived from oxamic acid thiohydrazides. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 237-240.	0.8	9
87	Copper-Containing Nanoparticles and Organic Complexes: Metal Reduction Triggers Rapid Cell Death via Oxidative Burst. International Journal of Molecular Sciences, 2021, 22, 11065.	1.8	9
88	Synthesis of 4-substituted 3-[3-(dialkylaminomethyl)indol-1-yl]maleimides and study of their ability to inhibit protein kinase C-Î±, prevent development of multiple drug resistance of tumor cells and cytotoxicity. Russian Chemical Bulletin, 2008, 57, 2011-2020.	0.4	8
89	Dissecting eukaryotic cells by coherent phase microscopy: quantitative analysis of quiescent and activated T lymphocytes. Journal of Biomedical Optics, 2012, 17, 0760201.	1.4	8
90	Antitumor phosphate-containing lipids and non-phosphorus alkyl cationic glycerolipids: chemical structures and perspectives of drug development. Russian Chemical Bulletin, 2014, 63, 1081-1087.	0.4	8

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91	Photoactivated biscarbocyanine dye with two conjugated chromophores: complexes with albumin, photochemical and phototoxic propertiesâ€. Photochemical and Photobiological Sciences, 2019, 18, 2461-2468.	1.6	8
92	New Potent and Selective Inhibitor of Pim-1/3 Protein Kinases Sensitizes Human Colon Carcinoma Cells to Doxorubicin. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1228-1236.	0.9	8
93	Effect of the Triterpenoid Miliacin on the Sensitivity of Lymphocytes in the Thymus and Spleen to Dexamethasone-Induced Apoptosis. Bulletin of Experimental Biology and Medicine, 2003, 136, 336-339.	0.3	7
94	Triterpenoid miliacin inhibits stress-induced lipid peroxidation. Bulletin of Experimental Biology and Medicine, 2006, 141, 685-687.	0.3	7
95	Tris(1-alkylindol-3-yl)methylium salts as a novel class of antitumor agents. Russian Chemical Bulletin, 2010, 59, 2259-2267.	0.4	7
96	X-ray structure ofSalmonella typhimuriumuridine phosphorylase complexed with 5-fluorouracil and molecular modelling of the complex of 5-fluorouracil with uridine phosphorylase fromVibrio cholerae. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 968-974.	2.5	7
97	Title is missing!. Doklady Chemistry, 2003, 390, 155-158.	0.2	6
98	Antitubulin agents can initiate different apoptotic pathways. Biophysics (Russian Federation), 2006, 51, 771-775.	0.2	6
99	Synthesis and properties of a novel brominated oligomycin A derivative. Journal of Antibiotics, 2012, 65, 223-225.	1.0	6
100	Expression, purification, crystallization and preliminary X-ray structure analysis ofVibrio choleraeuridine phosphorylase in complex with thymidine. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1394-1397.	0.7	6
101	Study on retroaldol degradation products of antibiotic oligomycin A. Journal of Antibiotics, 2014, 67, 153-158.	1.0	6
102	Synthesis and antitumor activity of new alkyl glycoglycerolipids. Mendeleev Communications, 2015, 25, 248-249.	0.6	6
103	Synthesis and antiproliferative evaluation of glucosylated pyrazole analogs of K252c. Tetrahedron, 2018, 74, 892-901.	1.0	6
104	Synthesis and cytotoxicity of novel simplified eleutherobin analogues as potential antitumour agents. Organic and Biomolecular Chemistry, 2019, 17, 2792-2797.	1.5	6
105	Differential Binding Preference of Methylpheophorbide a and Its Diboronated Derivatives to Albumin and Low Density Lipoproteins. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 639-646.	0.9	6
106	Novel substituted 5â€methylâ€4â€acylaminoisoxazoles as antimitotic agents: Evaluation of selectivity to LNCaP cancer cells. Archiv Der Pharmazie, 2022, 355, e2100425.	2.1	6
107	Multifactorial Drug Resistance: P-Glycoprotein on the Apex of the Pyramid. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 437-439.	1.8	5
108	Morphological manifestations for the protective effect of miliacin in organs of immunogenesis after treatment with methotrexate. Bulletin of Experimental Biology and Medicine, 2007, 144, 575-579.	0.3	5

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109	Studies of complex formation of olivomycin A and its derivatives with DNA. Doklady Biochemistry and Biophysics, 2010, 435, 334-338.	0.3	5
110	New boronated derivatives of purpurin-18: Synthesis and intereaction with serum albumin. Doklady Chemistry, 2010, 435, 328-333.	0.2	5
111	Synthesis and antitumor properties of carborane conjugates of 5-(4-aminophenyl)-10,15,20-triphenylporphyrin. Doklady Chemistry, 2012, 443, 91-96.	0.2	5
112	Quantitative phase imaging of living cells: application of the phase volume and area functions to the analysis of â€œnucleolar stressâ€• Journal of Biomedical Optics, 2013, 18, 111413.	1.4	5
113	Photochemical properties of new bis-cyanine dye as a promising agent for in vivo imaging. Mendeleev Communications, 2020, 30, 442-444.	0.6	5
114	Heterocyclic ring expansion yields anthraquinone derivatives potent against multidrug resistant tumor cells. Bioorganic Chemistry, 2022, 127, 105925.	2.0	5
115	Transplantation of embryonic hepatocytes. Experimental substantiation of a new approach to the therapy of liver failure. Bulletin of Experimental Biology and Medicine, 2002, 134, 519-524.	0.3	4
116	Role of Phosphatidylinositol-3 Kinase in Regulation of Differential Sensitivity of Melanoma Cells to Antitumor Agents. A Model for Hormone Resistance Development in Tumor Cells. Biochemistry (Moscow), 2004, 69, 322-330.	0.7	4
117	Coherent Phase Microscopy, a Novel Approach to Study the Physiological State of the Nucleolus. Doklady Biochemistry and Biophysics, 2005, 405, 432-436.	0.3	4
118	Crystallization and preliminary X-ray diffraction analysis ofSalmonella typhimuriumuridine phosphorylase complexed with 5-fluorouracil. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 601-603.	0.7	4
119	Altered transcription and replication are the mechanisms of cytotoxicity of antitumor antibiotic olivomycin A. Doklady Biochemistry and Biophysics, 2010, 435, 320-322.	0.3	4
120	Complexes of antiparallel telomeric G-quadruplex d(TTAGGG)4 with carboxymethyl tetracationic porphyrins. Molecular Biology, 2013, 47, 453-460.	0.4	4
121	Naphtho[2,3-f]indole-5,10-dione aminoalkyl derivatives: A new class of topoisomerase I inhibitors. Bulletin of Experimental Biology and Medicine, 2008, 145, 334-337.	0.3	3
122	Mitochondrial mechanisms of apoptosis in response to DNA damage. Molecular Biology, 2008, 42, 681-686.	0.4	3
123	Characteristics of complex formation between monomeric and dimeric bisbenzimidazoles and AT-containing polynucleotide. Molecular Biology, 2012, 46, 823-827.	0.4	3
124	Novel Fluorescent Pyrimidine Nucleosides Containing 2,1,3-Benzoxadiazole and Naphtho-[1,2,3-CD] Indole-6 (2H)-One Fragments. Nucleosides, Nucleotides and Nucleic Acids, 2014, 33, 615-625.	0.4	3
125	New design of cationic alkyl glycoglycerolipids toxic to tumor cells. Mendeleev Communications, 2019, 29, 166-168.	0.6	3
126	Synthesis and biological activities of new pyrrolocarbazole-imidazobenzimidazole conjugates. Tetrahedron Letters, 2020, 61, 152096.	0.7	3

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127	Divalent cations are dispensable for binding to DNA of a novel positively charged olivomycin A derivative. PLoS ONE, 2018, 13, e0191923.	1.1	3
128	Alternative Pathways of Cell Death to Circumvent Pleiotropic Resistance in Myeloma Cells: Role of Cytotoxic T-Lymphocytes. Leukemia and Lymphoma, 2000, 38, 59-70.	0.6	2
129	Interaction with DNA as a cytotoxicity factor of a novel glycoside derivative of indolocarbazole. Doklady Biochemistry and Biophysics, 2006, 411, 365-368.	0.3	2
130	Novel Indolocarbazole Derivative 12-(Î±-L-arabinopyranosyl)indolo[2,3-a]pyrrolo[3,4-c]carbazole-5,7-dione Is a Preferred c-MycGuanine Quadruplex Ligand. Journal of Nucleic Acids, 2011, 2011, 1-8.	0.8	2
131	Induction of programmed lysis in Streptomyces lividans culture by the inhibitors of eukaryotic type serine/threonine protein kinases. Microbiology, 2012, 81, 160-167.	0.5	2
132	Modified 5-fluorouracil: Uridine phosphorylase inhibitor. Crystallography Reports, 2016, 61, 826-829.	0.1	2
133	The Oxime Derivatives of 1-R-1H-Naphtho[2,3-d][1,2,3]triazole-4,9-dione 2-oxides: Synthesis and Properties. Anti-Cancer Agents in Medicinal Chemistry, 2018, 17, 1814-1823.	0.9	2
134	Application of silicon dioxide nanoparticles modified with tumor-targeting ligands for cellular delivery of nucleoside triphosphate analogues. Journal of Saudi Chemical Society, 2020, 24, 98-104.	2.4	2
135	Immunosuppressive factor from liver induces apoptosis in thymoma EL-4 cells but not normal MHC class II-specific T lymphocytes. Immunology Letters, 1995, 45, 5-11.	1.1	1
136	Boronated Conjugates of Protohemin IX with L-Amino Acids: Synthesis and Antitumor Activity. Collection of Czechoslovak Chemical Communications, 2007, 72, 1707-1716.	1.0	1
137	Novel derivatives of bacteriochlorophyll a: Complex formation with albumin and the mechanism of tumor cell photodamage. Doklady Biochemistry and Biophysics, 2014, 454, 17-20.	0.3	1
138	Intracellular targets of antitumor therapy: an increased complexity in the rational drug design. Russian Chemical Bulletin, 2015, 64, 2269-2272.	0.4	1
139	Clinical CDK2 Inhibitors: Trends To Selectivity and Efficacy. Recent Patents on Anti-Cancer Drug Discovery, 2022, 17, .	0.8	1
140	The Copper-Containing Monocarboranylporphyrin: A Prototype of New DNA-Binding Cytotoxic Compounds. Doklady Biochemistry and Biophysics, 2005, 403, 313-316.	0.3	0
141	Multicriteria Optimization of Chemical Processes under Uncertainty. Doklady Chemistry, 2005, 400, 12-15.	0.2	0
142	Mechanisms of apoptosis are retained in cells with P glycoprotein-mediated drug resistance. Doklady Biological Sciences, 2006, 407, 187-191.	0.2	0
143	Study of optical parameters of the nucleoli under the effect of transcription inhibitors by coherent phase microscopy. Bulletin of Experimental Biology and Medicine, 2006, 142, 481-485.	0.3	0
144	Boronated derivatives of protohemin IX with L-amino acids as potential anticancer agents. Moscow University Chemistry Bulletin, 2007, 62, 238-242.	0.2	0

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145	Reduction of phase thickness is a characteristic reaction of the nucleoli to toxicity as shown by coherent phase microscopy. Bulletin of Experimental Biology and Medicine, 2007, 143, 493-497.	0.3	0
146	Alkyl-type glycerolipids as modulators of tumor cells destruction. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2010, 4, 161-170.	0.2	0
147	Complex formation of Zn-, Ni-, and Pd-derivatives of purpurin-18 with serum albumin. Russian Journal of Physical Chemistry A, 2012, 86, 1756-1758.	0.1	0
148	Effect of ricin on photodynamic damage to the plasma membrane. Doklady Biochemistry and Biophysics, 2013, 449, 84-86.	0.3	0
149	Fucose Specific Lectins in Cancer Research and Diagnosis. Drug Design Reviews Online, 2005, 2, 349-359.	0.7	0
150	Interactions of Non-Phosphorous Glycerolipids with DNA: Energetics, Molecular Docking and Topoisomerase I Attenuation. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 335-346.	0.9	0