## Andrey E Shchekotikhin

List of Publications by Year in descending order

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109 papers 1,617 citations

377584 21 h-index 36 g-index

127 all docs

127 does citations

times ranked

127

1677 citing authors

#	Article	IF	CITATIONS
1	Synthesis, biological evaluation, and in silico studies of potential activators of apoptosis and carbonic anhydrase inhibitors on isatin-5-sulfonamide scaffold. European Journal of Medicinal Chemistry, 2022, 228, 113997.	2.6	16
2	Synthesis and Characterization of Novel 2-Acyl-3-trifluoromethylquinoxaline 1,4-Dioxides as Potential Antimicrobial Agents. Pharmaceuticals, 2022, 15, 155.	1.7	6
3	In Vitro Pharmacological Screening of Essential Oils from Baccharis parvidentata and Lippia origanoides Growing in Brazil. Molecules, 2022, 27, 1926.	1.7	5
4	Antibiotic heliomycin and its water-soluble 4-aminomethylated derivative provoke cell death in T24 bladder cancer cells by targeting sirtuin 1 (SIRT1) American Journal of Cancer Research, 2022, 12, 1042-1055.	1.4	0
5	Photosensitization of pancreatic cancer cells by cationic alkyl-porphyrins in free form or engrafted into POPC liposomes: The relationship between delivery mode and mechanism of cell death. Journal of Photochemistry and Photobiology B: Biology, 2022, 231, 112449.	1.7	5
6	Evaluation of Toxic Properties of New Glycopeptide Flavancin on Rats. Pharmaceuticals, 2022, 15, 661.	1.7	1
7	Heterocyclic ring expansion yields anthraquinone derivatives potent against multidrug resistant tumor cells. Bioorganic Chemistry, 2022, 127, 105925.	2.0	5
8	Ligands of G-quadruplex nucleic acids. Russian Chemical Reviews, 2021, 90, 1-38.	2.5	17
9	Heteroarene-fused anthraquinone derivatives as potential modulators for human aurora kinase B. Biochimie, 2021, 182, 152-165.	1.3	9
10	Aminoalkylamides of Eremomycin Exhibit an Improved Antibacterial Activity. Pharmaceuticals, 2021, 14, 379.	1.7	3
11	Stereochemistries and Biological Properties of Oligomycin A Diels–Alder Adducts. Journal of Organic Chemistry, 2021, 86, 7975-7986.	1.7	4
12	Water-Soluble Heliomycin Derivatives to Target i-Motif DNA. Journal of Natural Products, 2021, 84, 1617-1625.	1.5	4
13	Glucose starvation greatly enhances antiproliferative and antiestrogenic potency of oligomycin A in MCF-7 breast cancer cells. Biochimie, 2021, 186, 51-58.	1.3	4
14	Subchronic Toxicity Study of Oral Anthrafuran on Rabbits. Pharmaceuticals, 2021, 14, 900.	1.7	1
15	Thiophene-2-carboxamide derivatives of anthraquinone: A new potent antitumor chemotype. European Journal of Medicinal Chemistry, 2021, 221, 113521.	2.6	12
16	Bacterial Cell Wall Analogue Peptides Control the Oligomeric States and Activity of the Glycopeptide Antibiotic Eremomycin: Solution NMR and Antimicrobial Studies. Pharmaceuticals, 2021, 14, 83.	1.7	4
17	Synthesis of 7-amino-6-halogeno-3-phenylquinoxaline-2-carbonitrile 1,4-dioxides: a way forward for targeting hypoxia and drug resistance of cancer cells. RSC Advances, 2021, 11, 38782-38795.	1.7	3
18	Synthesis, antimicrobial and antiproliferative properties of epi-oligomycin A, the (33 <i>S</i> )-diastereomer of oligomycin A. Natural Product Research, 2020, 34, 3073-3081.	1.0	4

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19	Discovery of derivatives of $6(7)$ -amino-3-phenylquinoxaline-2-carbonitrile 1,4-dioxides: novel, hypoxia-selective HIF-11± inhibitors with strong antiestrogenic potency. Bioorganic Chemistry, 2020, 104, 104324.	2.0	8
20	Synthesis and antiproliferative activity of salicylidenehydrazones based on indole-2(3)-carboxylic acids. Chemistry of Heterocyclic Compounds, 2020, 56, 734-740.	0.6	0
21	Heterocyclic analogs of 5,12-naphthacenequinone 16*. Synthesis and properties of new DNA ligands based on 4,11-diaminoanthra[2,3-b]thiophene-5,10-dione. Chemistry of Heterocyclic Compounds, 2020, 56, 727-733.	0.6	6
22	A facile access to 2-substituted naphtho [2,3-g] quinoline-3-carboxylic acid esters via intramolecular cyclization and PyBOP-promoted functionalization. Tetrahedron, 2020, 76, 131418.	1.0	2
23	Essential Oil from Melaleuca leucadendra: Antimicrobial, Antikinetoplastid, Antiproliferative and Cytotoxic Assessment. Molecules, 2020, 25, 5514.	1.7	12
24	Experimental Evaluation of Anticancer Efficiency and Acute Toxicity of Anthrafuran for Oral Administration. Pharmaceuticals, 2020, 13, 81.	1.7	6
25	Preclinical Pharmacokinetic and Toxicity Studies of Anthrafuran – A New Antitumor Agent. Pharmaceutical Chemistry Journal, 2020, 54, 105-109.	0.3	O
26	Bioinformatics analysis of genes of Streptomyces xinghaiensis (fradiae) ATCC 19609 with a focus on mutations conferring resistance to oligomycin A and its derivatives. Journal of Global Antimicrobial Resistance, 2020, 22, 47-53.	0.9	5
27	Discovery of Amphamide, a Drug Candidate for the Second Generation of Polyene Antibiotics. ACS Infectious Diseases, 2020, 6, 2029-2044.	1.8	17
28	Photodynamic Therapy for <i>ras</i> -Driven Cancers: Targeting G-Quadruplex RNA Structures with Bifunctional Alkyl-Modified Porphyrins. Journal of Medicinal Chemistry, 2020, 63, 1245-1260.	2.9	34
29	Development of a Parenteral Medicinal Formulation of the New Antifungal Semisynthetic Polyene Antibiotic Amphamide. Pharmaceutical Chemistry Journal, 2020, 53, 976-980.	0.3	1
30	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
31	Synthesis and Antibacterial Activity of Aminoalkylamides of Eremomycin. Macroheterocycles, 2020, 13, 298-304.	0.9	2
32	Revision of the Regioselectivity of the Beirut Reaction of Monosubstituted Benzofuroxans with Benzoylacetonitrile. 6-Substituted quinoxaline-2-carbonitrile 1,4- dioxides: Structural Characterization and Estimation of Anticancer Activity and Hypoxia Selectivity. Current Organic Synthesis, 2020, 17, 29-39.	0.7	5
33	Design, synthesis and biomedical evaluation of mostotrin, a new water soluble tryptanthrin derivative. International Journal of Molecular Medicine, 2020, 46, 1335-1346.	1.8	5
34	Comparative Proteomic and Transcriptome Analysis of Nitron-Oligomycin Resistant Mutant Streptomyces fradiae-nitR+bld Strain. Russian Journal of Genetics, 2020, 56, 1151-1154.	0.2	0
35	$\hat{l}^2$ -Hydroxylation of anthraquinone derivatives with benzaldehyde oxime as a source of hydroxyl group. Tetrahedron, 2019, 75, 130623.	1.0	5
36	Draft Genome Sequence of Streptomyces xinghaiensis (fradiae) OlgR, a Strain Resistant to Oligomycin A. Microbiology Resource Announcements, 2019, 8, .	0.3	1

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37	Engagement with tNOX (ENOX2) to Inhibit SIRT1 and Activate p53-Dependent and -Independent Apoptotic Pathways by Novel 4,11-Diaminoanthra[2,3-b]furan-5,10-diones in Hepatocellular Carcinoma Cells. Cancers, 2019, 11, 420.	1.7	15
38	Development of a Dosage Form of the New Antitumor Antibiotic Olivamide. Pharmaceutical Chemistry Journal, 2019, 52, 930-935.	0.3	1
39	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
40	Neurotoxic properties of new antitumor agent anthrafuran., 2019, 18, 75-79.	0.3	1
41	Eremomycin Picolylamides and Their Cationic Lipoglycopeptides: Synthesis and Antimicrobial Properties. Macroheterocycles, 2019, 12, 98-106.	0.9	5
42	Novel Quinoxaline-2-Carbonitrile-1,4-Dioxide Derivatives Suppress HIF1α Activity and Circumvent MDR in Cancer Cells. Cancer Investigation, 2018, 36, 199-209.	0.6	17
43	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
44	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
45	Recent advances in antifungal drug discovery based on polyene macrolide antibiotics. Russian Chemical Reviews, 2018, 87, 1206-1225.	2.5	20
46	Analysis of Mutations of the Strains of Streptomyces fradiae ATCC 19609-Olg2R Resistant to (33S)-Azido-33-Deoxyoligomycin A. Russian Journal of Genetics, 2018, 54, 1375-1377.	0.2	2
47	Semi-synthetic Derivatives of Heliomycin with an Antiproliferative Potency. Recent Patents on Anti-Cancer Drug Discovery, 2018, 13, 469-472.	0.8	2
48	Tri-armed ligands of G-quadruplex on heteroarene-fused anthraquinone scaffolds: Design, synthesis and pre-screening of biological properties. European Journal of Medicinal Chemistry, 2018, 159, 59-73.	2.6	20
49	Eremomycin pyrrolidide: a novel semisynthetic glycopeptide with improved chemotherapeutic properties. Drug Design, Development and Therapy, 2018, Volume 12, 2875-2885.	2.0	9
50	A functional study of the global transcriptional regulator PadR from a strain <i>Streptomyces fradiae</i> à€nitR+bld, resistant to nitroneâ€oligomycin. Journal of Basic Microbiology, 2018, 58, 739-746.	1.8	5
51	Heterocyclic analogs of 5,12-naphthacenequinone 15*. Synthesis of new anthra[2,3-b]thiophene-3(2)-carboxylic acids. Chemistry of Heterocyclic Compounds, 2018, 54, 612-617.	0.6	5
52	Modern Trends of Organic Chemistry in Russian Universities. Russian Journal of Organic Chemistry, 2018, 54, 157-371.	0.3	68
53	Experimental evaluation of toxic properties of LCTA-2034 by the oral routeof administration. , 2018, 17, 81-88.	0.3	3
54	Advances in the Discovery of Anthraquinone-Based Anticancer Agents. Recent Patents on Anti-Cancer Drug Discovery, 2018, 13, 159-183.	0.8	64

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55	Synthesis and Biological Activity of 16,33-O,O-Diformyl-16,17-dihydro-16(S),17(R)-dihydroxyoligomycin A and 33-O-Formyloligomycin A. Macroheterocycles, 2018, 11, 181-192.	0.9	3
56	Synthesis and Biological Activity of $7(7,11)$ -Hydroderivatives of Oligomycin A. Macroheterocycles, 2018, $11,322-328$ .	0.9	3
57	Verification of oligomycin A structure: synthesis and biological evaluation of 33-dehydrooligomycin A. Journal of Antibiotics, 2017, 70, 871-877.	1.0	10
58	Development and pharmaceutical evaluation of the anticancer Anthrafuran/Cavitron complex, a prototypic parenteral drug formulation. European Journal of Pharmaceutical Sciences, 2017, 109, 631-637.	1.9	17
59	RNA G-Quadruplexes in Kirsten Ras ( <i>KRAS</i> ) Oncogene as Targets for Small Molecules Inhibiting Translation. Journal of Medicinal Chemistry, 2017, 60, 9448-9461.	2.9	61
60	Draft genome sequencing and analysis of mutations of Streptomyces fradiae strain ATCC19609-Olg4R, resistant to (33S)-33-deoxy-33-thiocyanatooligomycin Đ• Russian Journal of Genetics, 2017, 53, 1048-1051.	0.2	4
61	Heterocyclic Analogs of 5,12-Naphthacenequinone 14*. Synthesis of naphtho[2,3-f]indole-3-carboxylic Acid Derivatives. Chemistry of Heterocyclic Compounds, 2017, 53, 1072-1079.	0.6	11
62	Organic chemistry. History and mutual relations of universities of Russia. Russian Journal of Organic Chemistry, 2017, 53, 1275-1437.	0.3	48
63	Toxicological characteristic of novel antitumour multitargeted agent anthrafuran. , 2017, 16, 80-84.	0.3	4
64	Annelation of furan rings to arenes. Russian Chemical Reviews, 2016, 85, 817-835.	2.5	8
65	Heterocyclic analogs of 5,12-naphtacenequinone 13*. Synthesis of 4,11-diaminoanthra[2,3-b]furan-5,10-diones and sulfur-containing analogs. Chemistry of Heterocyclic Compounds, 2016, 52, 797-802.	0.6	6
66	Sequencing and analysis of the resistome of Streptomyces fradiae ATCC19609 in order to develop a test system for screening of new antimicrobial agents. Russian Journal of Genetics, 2016, 52, 630-635.	0.2	2
67	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
68	Synthesis and Biological Activity of 2,3,16,17,18,19-Hexahydrooligomycin A. Macroheterocycles, 2016, 9, 453-461.	0.9	3
69	Synthesis and Characterization of $4,11$ -Diaminoanthra $[2,3-\langle i\rangle b\langle i\rangle]$ furan- $5,10$ -diones: Tumor Cell Apoptosis through tNOX-Modulated NAD $\langle sup\rangle + \langle sup\rangle /N$ ADH Ratio and SIRT1. Journal of Medicinal Chemistry, 2015, 58, 9522-9534.	2.9	29
70	Potent Apoptotic Response Induced by Chloroacetamidine Anthrathiophenediones in Bladder Cancer Cells. Journal of Medicinal Chemistry, 2015, 58, 5476-5485.	2.9	19
71	Synthesis and Anti-Actinomycotic Activity of the Oligomycin A Thiocyanato Derivative Modified at 2-Oxypropyl Side Chain. Macroheterocycles, 2015, 8, 424-428.	0.9	7
72	<i>HRAS</i> is silenced by two neighboring G-quadruplexes and activated by MAZ, a zinc-finger transcription factor with DNA unfolding property. Nucleic Acids Research, 2014, 42, 8379-8388.	6.5	99

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<b>7</b> 3	Methods for the Synthesis and Modification of Linear Anthrafurandiones (Review). Chemistry of Heterocyclic Compounds, 2014, 50, 171-184.	0.6	9
74	Pd-catalyzed cross-coupling/heterocyclization domino reaction: facile access to anthra [2,3-b] furan-5,10-dione scaffold. Tetrahedron, 2014, 70, 8062-8066.	1.0	8
<b>7</b> 5	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
76	Heterocyclic Analogs of 5,12-Naphthacene-Quinone. 12. Synthesis of 2-Substituted Derivatives of 4,11-Dimethoxy-5,10-Dioxo-Anthra[2,3-b]Furan-3-Carboxylic Acids. Chemistry of Heterocyclic Compounds, 2014, 50, 271-280.	0.6	5
77	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
78	Heterocyclic analogs of 5,12-naphthacene-quinone. 11*. A new method for preparing 4,11-dimethoxyanthra[2,3-b]furan-5,10-dione. Chemistry of Heterocyclic Compounds, 2013, 49, 241-248.	0.6	7
79	Guanidino Anthrathiophenediones as G-Quadruplex Binders: Uptake, Intracellular Localization, and Anti-Harvey-ras Gene Activity in Bladder Cancer Cells. Journal of Medicinal Chemistry, 2013, 56, 2764-2778.	2.9	47
80	Heterocyclic analogs of 5,12-naphthacenequinone 10.* Synthesis of furanoquinizarine and its new derivatives. Chemistry of Heterocyclic Compounds, 2012, 47, 1206-1211.	0.6	12
81	Disordering of Human Telomeric G-Quadruplex with Novel Antiproliferative Anthrathiophenedione. PLoS ONE, 2011, 6, e27151.	1.1	41
82	Heterocyclic analogs of 5,12-naphthacenequinone 9*. Study of the synthesis and reactivity of 4,11-dimethoxynaphtho[2,3-f]isatin-5,10-diones. Chemistry of Heterocyclic Compounds, 2011, 47, 194-203.	0.6	1
83	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
84	Heterocyclic analogs of 5,12-naphthacenequinone 8.* Synthesis of furano-anthraquinones. Chemistry of Heterocyclic Compounds, 2009, 45, 151-160.	0.6	6
85	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
86	Heterocyclic analogs of 5,12-naphthacenequinone 7*. Synthesis of naphtho-[2,3-f]isatin-5,10-dione derivatives. Chemistry of Heterocyclic Compounds, 2008, 44, 1245-1249.	0.6	7
87	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
88	Synthesis and photochemical properties of phenoxy derivatives of anthra [2,3-b] furan-5,10-dione. Russian Journal of Organic Chemistry, 2008, 44, 855-862.	0.3	4
89	Naphthoindole-based analogues of tryptophan and tryptamine: Synthesis and cytotoxic properties. Bioorganic and Medicinal Chemistry, 2007, 15, 2651-2659.	1.4	24
90	Synthesis and fluorescence of anthra [2,3-b] furan-5,10-dione derivatives. Russian Journal of Organic Chemistry, 2007, 43, 1686-1695.	0.3	10

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91	Heterocyclic analogs of 5,12-naphthacenequinone. 5. Synthesis of 2,3-diamino-1,4-dimethoxyanthraquinone and its heterocyclic derivatives. Chemistry of Heterocyclic Compounds, 2007, 43, 82-87.	0.6	4
92	Heterocyclic analogs of 5,12-naphthacenequinone 6. Synthesis of 4,11-dimethoxy derivatives of anthra-[2,3-b]thiophene-5,10-dione and anthra[2,3-d]isothiazole-5,10-dione. Chemistry of Heterocyclic Compounds, 2007, 43, 439-444.	0.6	5
93	Synthesis of thiopheno-quinizarine derivatives. Chemistry of Heterocyclic Compounds, 2007, 43, 1252-1259.	0.6	12
94	Synthesis and structure–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
95	Heterocyclic analogs of 5,12-naphthacenequinone. 2. Synthesis of 4,11-dihydroxynaphtho[2,3-f]indazole-5,10-dione and its n-methyl derivatives. Chemistry of Heterocyclic Compounds, 2006, 42, 605-610.	0.6	1
96	Heterocyclic analogs of 5,12-naphthacene-quinone. 3. Synthesis of 4,11-diaminonaphtho-[2,3-f]indole-5,10-dione and certain of its derivatives. Chemistry of Heterocyclic Compounds, 2006, 42, 746-752.	0.6	2
97	Heterocyclic analogs of 5,12-naphthacenequinone. 4. Synthesis of 4,11-dimethoxy-anthra[2,3-d]isoxazole-5,10-dione. Chemistry of Heterocyclic Compounds, 2006, 42, 1236-1241.	0.6	5
98	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
99	Heterocyclic Analogs of 5,12-Naphthacenequinone. 1. Synthesis of Heterocyclic Analogs Starting from 2,3-Diaminoquinizarine. Chemistry of Heterocyclic Compounds, 2005, 41, 914-920.	0.6	6
100	Synthesis of 1-(ï‰-aminoalkyl)naphthoindolediones with antiproliferative properties. Bioorganic and Medicinal Chemistry, 2004, 12, 3923-3930.	1.4	31
101	Naphthoindazoles. Synthesis of 4,11-Dimethoxy-naphtho[2,3-f]indazole-5,10-dione ChemInform, 2003, 34, no.	0.1	O
102	Characterization of HERG potassium channel inhibition using CoMSiA 3D QSAR and homology modeling approaches. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1829-1835.	1.0	244
103	Synthesis of (Indol-3-yl)methanesulfonamide and its 5-Methoxy Derivative. Synthesis, 2003, 2003, 0383-0388.	1.2	O
104	Naphthoindazoles. Synthesis of 4,11-Dimethoxynaphtho[2,3-f]indazole-5,10-dione. Chemistry of Heterocyclic Compounds, 2002, 38, 543-546.	0.6	8
105	Title is missing!. Chemistry of Heterocyclic Compounds, 2001, 37, 944-948.	0.6	6
106	Title is missing!. Chemistry of Heterocyclic Compounds, 2001, 37, 1234-1237.	0.6	3
107	Naphthoindoles. 9. Synthesis of N-derivatives of 4,11-Dimethoxynaphtho-[2,3-f]indole-5,10-dione. Chemistry of Heterocyclic Compounds, 2000, 36, 1284-1288.	0.6	5
108	Naphthoindoles. 8. Electrophilic substitution reactions of 4,11-dimethyxynaphtho[2,3-f]indole-5,10-dione. Chemistry of Heterocyclic Compounds, 1998, 34, 813-815.	0.6	2

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109	Naphthomoles. 7. Synthesis of 4,11-dimethoxynaphtho[2,3-f]indole-5,10-dione and 4-methoxynaphtho[2,3-f]-indole-5,10-dione. Chemistry of Heterocyclic Compounds, 1996, 32, 902-906.	0.6	6