

# Sergey G Klochkov

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

998  
citations

567281

15  
h-index

552781

26  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sphingosine kinase and sphingosine-1-phosphate receptor signaling pathway in inflammatory gastrointestinal disease and cancers: A novel therapeutic target. , 2020, 207, 107464.		91
2	Analysis of post COVID-19 condition and its overlap with myalgic encephalomyelitis/chronic fatigue syndrome. Journal of Advanced Research, 2022, 40, 179-196.	9.5	75
3	Extracellular vesicles in cancer nanomedicine. Seminars in Cancer Biology, 2021, 69, 212-225.	9.6	69
4	Histone modifications in epigenetic regulation of cancer: Perspectives and achieved progress. Seminars in Cancer Biology, 2022, 83, 452-471.	9.6	64
5	Implications of nanotechnology for the treatment of cancer: Recent advances. Seminars in Cancer Biology, 2021, 69, 190-199.	9.6	50
6	Nanotechnology for Alzheimer Disease. Current Alzheimer Research, 2017, 14, 1182-1189.	1.4	41
7	Toxicity of nanosilver in intragastric studies: Biodistribution and metabolic effects. Toxicology Letters, 2016, 241, 184-192.	0.8	38
8	Acidic isomerization of alantolactone derivatives. Chemistry of Natural Compounds, 2006, 42, 400-406.	0.8	36
9	Increased Pain Sensitivity in Obese Patients After Lung Cancer Surgery. Frontiers in Pharmacology, 2019, 10, 626.	3.5	29
10	Malignant Transformation and Associated Biomarkers of Ovarian Endometriosis: A Narrative Review. Advances in Therapy, 2020, 37, 2580-2603.	2.9	27
11	Therapeutic Influence on Important Targets Associated with Chronic Inflammation and Oxidative Stress in Cancer Treatment. Cancers, 2021, 13, 6062.	3.7	27
12	Implications of farnesyltransferase and its inhibitors as a promising strategy for cancer therapy. Seminars in Cancer Biology, 2019, 56, 128-134.	9.6	26
13	Mechanisms of antioxidant effect of natural sesquiterpene lactone and alkaloid derivatives. Bulletin of Experimental Biology and Medicine, 2012, 152, 720-722.	0.8	24
14	Synthesis, structural characterization and cytotoxic activity of heterocyclic compounds containing the furoxan ring. Arkivoc, 2017, 2017, 250-268.	0.5	22
15	Study of Distribution and Biological Effects of Fullerene C <sub>60</sub> after Single and Multiple Intragastrical Administrations to Rats. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 658-668.	2.1	19
16	Neuroprotective effects of the securinine-analogues: identification of Allomargaritarine as a lead compound. CNS and Neurological Disorders - Drug Targets, 2016, 15, 102-107.	1.4	18
17	The Association of Sleep Disorders, Obesity and Sleep-Related Hypoxia with Cancer. Current Genomics, 2020, 21, 444-453.	1.6	16
18	Synthesis and Antioxidant Activity of Securinine Derivatives. Pharmaceutical Chemistry Journal, 2014, 48, 15-17.	0.8	15

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19	Benefits and limitations of nanomedicine treatment of brain cancers and age-dependent neurodegenerative disorders. <i>Seminars in Cancer Biology</i> , 2022, 86, 805-833.	9.6	15
20	How Cancer Cells Resist Chemotherapy: Design and Development of Drugs Targeting Protein-Protein Interactions. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 394-412.	2.1	14
21	Application of Acycol in the Context of Zinc Deficiency and Perspectives. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2104.	4.1	13
22	Securinine Derivatives as Potential Anti-amyloid Therapeutic Approach. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 351-355.	1.4	13
23	N-Alkylation of Anthracycline Antibiotics by Natural Sesquiterpene Lactones as a Way to Obtain Antitumor Agents with Reduced Side Effects. <i>Biomedicines</i> , 2021, 9, 547.	3.2	12
24	The Hydroxamic Acids as Potential Anticancer and Neuroprotective Agents. <i>Current Medicinal Chemistry</i> , 2021, 28, 8139-8162.	2.4	12
25	Synthesis and biological activity of amination products of the alkaloid securinine. <i>Chemistry of Natural Compounds</i> , 2008, 44, 197-202.	0.8	11
26	Synthesis of Saccharumoside-B analogue with potential of antiproliferative and pro-apoptotic activities. <i>Scientific Reports</i> , 2017, 7, 8309.	3.3	11
27	1,5-Diaryl-3-oxo-1,4-pentadienes based on (4-oxopiperidin-1-yl)(aryl)methyl phosphonate scaffold: synthesis and antitumor properties. <i>Medicinal Chemistry Research</i> , 2017, 26, 140-152.	2.4	11
28	Size-Dependent Differences in Biodistribution of Titanium Dioxide Nanoparticles After Sub-Acute Intragastric Administrations to Rats. <i>Current Nanoscience</i> , 2016, 12, 228-236.	1.2	11
29	Novel Multitarget Hydroxamic Acids with a Natural Origin CAP Group against Alzheimer's Disease: Synthesis, Docking and Biological Evaluation. <i>Pharmaceutics</i> , 2021, 13, 1893.	4.5	10
30	Feasibility of Targeting Glioblastoma Stem Cells: From Concept to Clinical Trials. <i>Current Topics in Medicinal Chemistry</i> , 2020, 19, 2974-2984.	2.1	9
31	Synthesis and cytotoxic activity of $\pm$ -santonin amino-derivatives. <i>Chemistry of Natural Compounds</i> , 2009, 45, 817-823.	0.8	8
32	Investigation of the antioxidant characteristics of a new tryptamine derivative of securinine and its influence on seizure activity in the brain in experimental epilepsy. <i>Neurochemical Journal</i> , 2011, 5, 208-214.	0.5	8
33	Nanophytomedicine Based Novel Therapeutic Strategies in Liver Cancer. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1999-2024.	2.1	8
34	Unique indolizidine alkaloid securinine is a promising scaffold for the development of neuroprotective and antitumor drugs. <i>RSC Advances</i> , 2021, 11, 19185-19195.	3.6	8
35	Lavandoside from <i>Lavandula spica</i> flowers. <i>Chemistry of Natural Compounds</i> , 2008, 44, 169-170.	0.8	7
36	Amination Products of <i>Inula britannica</i> Lactones and Their Antitumor Activity. <i>Chemistry of Natural Compounds</i> , 2015, 51, 435-443.	0.8	7

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37	Molecular construction of multitarget neuroprotectors 4.* Synthesis and biological activity of conjugates of carbazoles and tetrahydrocarbazoles. Russian Chemical Bulletin, 2016, 65, 2306-2311.	1.5	7
38	Synthesis and Antiproliferative Activity of Conjugates of Anthracycline Antibiotics with Sesquiterpene Lactones of the Elecampane. Russian Journal of Bioorganic Chemistry, 2018, 44, 538-546.	1.0	7
39	Caste and Population Specificity of Termite Cuticle Hydrocarbons. Chemistry of Natural Compounds, 2005, 41, 1-6.	0.8	6
40	Antioxidant Properties of a Pharmaceutical Substance Hypocard, a Potential Drug for Ischemic Disease. Bulletin of Experimental Biology and Medicine, 2018, 166, 46-49.	0.8	6
41	Chemosensitizing Activity of Histone Deacetylases Inhibitory Cyclic Hydroxamic Acids for Combination Chemotherapy of Lymphatic Leukemia. Current Cancer Drug Targets, 2018, 18, 365-371.	1.6	6
42	Modification of alantolactones by natural alkaloids. Chemistry of Natural Compounds, 2011, 47, 716-725.	0.8	5
43	Synthesis and biological activity of isoalantolactone-tryptamine conjugates. Russian Chemical Bulletin, 2012, 61, 409-415.	1.5	5
44	Formation of a novel heterocyclic system based on natural alantolactone. Chemistry of Heterocyclic Compounds, 2012, 48, 384-385.	1.2	5
45	New Spirocyclic Hydroxamic Acids as Effective Antiproliferative Agents. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 597-610.	1.7	5
46	Oxidation of britanin. Chemistry of Heterocyclic Compounds, 2000, 36, 870-871.	1.2	4
47	Stereochemistry of the aza-Michael reaction with natural alantolactones. Chemistry of Heterocyclic Compounds, 2012, 48, 698-703.	1.2	4
48	Conjugates of Alantolactone with Anthracycline Antibiotics. Chemistry of Natural Compounds, 2016, 52, 695-696.	0.8	4
49	Synthesis and Antiproliferative Activity of Daunorubicin Conjugates with Sesquiterpene Lactones. Pharmaceutical Chemistry Journal, 2018, 52, 308-311.	0.8	4
50	Cytotoxicity of Natural Alantolactones Conjugated to Substituted Piperazines. Chemistry of Natural Compounds, 2019, 55, 41-46.	0.8	4
51	METHODS OF PREPARATIVE ISOLATION OF ISOALANTHOLACTONE AND ALANTHOLACTONE FROM ELE-CAMPANE ROOT. Khimiya Rastitel'nogo Syr'ya, 2020, , 145-154.	0.3	4
52	Trail pheromone of Kaloterms flavicollis. Chemistry of Natural Compounds, 1989, 25, 115-118.	0.8	3
53	Amino Derivatives of Natural Epoxyalantolactone: Synthesis and Cytotoxicity toward Tumor Cells. Russian Journal of Bioorganic Chemistry, 2018, 44, 553-561.	1.0	3
54	New Arteannuin B Derivatives and Their Cytotoxic Activity. Chemistry of Natural Compounds, 2020, 56, 445-451.	0.8	3

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55	Synthesis and Cytotoxic Activity of Azine Derivatives of 6-Hydroxyxanthodiene. <i>Current Cancer Drug Targets</i> , 2020, 20, 666-674.	1.6	3
56	Promising molecular targets for pharmacological therapy of neurodegenerative pathologies. <i>Acta Naturae</i> , 2020, 12, 60-80.	1.7	3
57	Isolation and identification of a trail attractant for the termite <i>Reticulitermes lucifugus</i> from the plant <i>Zizyphus jujuba</i> . <i>Chemistry of Natural Compounds</i> , 1989, 25, 361-363.	0.8	2
58	A new peptide from venom of the East-European hornet <i>Vespa orientalis</i> . Mass spectrometric de novo sequence. <i>Chemistry of Natural Compounds</i> , 2008, 44, 63-66.	0.8	2
59	The Three-Vessel Occlusion as a Model of Vascular Dementia – Oxidative Stress and Mitochondrial Failure as an Indicator of Brain Hypoperfusion. , 2009, , 2023-2032.		2
60	Addition Products of Thiophenol and Selenophenol to Inula Helenium Lactones. <i>Chemistry of Natural Compounds</i> , 2020, 56, 254-256.	0.8	2
61	Synthesis and Cytotoxic Activity of the Products of Addition of Thiophenol to Sesquiterpene Lactones. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 906-917.	1.0	2
62	Promising Molecular Targets for Design of Antitumor Drugs Based on Ras Protein Signaling Cascades. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 891-902.	1.0	2
63	Flavones from the Root of <i>Scutellaria baicalensis</i> Georgi – Drugs of the Future in Neurodegeneration and Neuroprotection?. , 2011, , 2305-2323.		1
64	Synthesis and Structure of (1R,2R,8R,9R)-9-[4-(2-methyl-5-chlorophenyl)Piperazino]-14-oxa-7-azatetracyclo[6.6.1.01,11.02,7]pentadeca-11-en-13-one. <i>Chemistry of Natural Compounds</i> , 2014, 50, 583-584.	0.8	1
65	New Synthesis of Eremophilanes from Alantolactone. <i>Chemistry of Natural Compounds</i> , 2016, 52, 943-944.	0.8	1
66	Synthesis and Structure of (3R,3aR,4S,4aR,5S,9aR)-4-Hydroxy-4a,5-Dimethyl-3-[[4-(4-Fluorophenyl)-Piperazino]Methyl]-3a,4,4a,5,6,7,9,9a-Octahydrophtho[2,3-b]Furan-2(3H)-One. <i>Chemistry of Natural Compounds</i> , 2018, 54, 1146-1148.		1
67	A Novel Heterocyclic System Based on Natural Epoxyalantolactone. <i>Frontiers in Chemistry</i> , 2019, 7, 655.	3.6	1
68	Stereospecific synthesis of tryptamine derivatives of alkaloid securinine and their potential neuroprotective activity. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
69	Regioselective Synthesis, Structure, and Chemosensitizing Antitumor Activity of Cyclic Hydroxamic Acid Based on DL-Valine. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 757-764.	1.0	1
70	New Conjugates of Daunorubicin with Sesquiterpene Lactones and Their Biological Activity. <i>ChemistrySelect</i> , 2021, 6, 8446-8451.	1.5	1
71	Biological Activity of Alantolactones in Experiments on Cells. <i>Biomedical Chemistry Research and Methods</i> , 2018, 1, e00047.	0.4	1
72	Bioisosteric Analogues of Cinnamic Acid as Effective Neuroprotectors. <i>Biomedical Chemistry Research and Methods</i> , 2018, 1, e00052.	0.4	1

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73	Updated Understanding of the Degenerative Disc Diseases - Causes Versus Effects - Treatments, Studies and Hypothesis. <i>Current Genomics</i> , 2020, 21, 464-477.	1.6	1
74	Photoinduced decomposition of fusaric acid with the loss of ethylene. <i>Chemistry of Heterocyclic Compounds</i> , 1992, 28, 1097-1097.	1.2	0
75	Atherosclerotic Lesions and Mitochondrial DNA Deletions as a Primary Hallmark of the Brain Microcirculation – Implication in the Pathogenesis of Alzheimer’s Disease. , 2008, , 2127-2145.		0
76	Oxidative Stress-Induced Mitochondrial Damage as a Hallmark for Drug Development in the Context of the Neurodegeneration, Cardiovascular, and Cerebrovascular Diseases. , 2011, , 2083-2126.		0
77	Potential Preventive Effects of Coenzyme Q and Creatine Supplementation on Brain Energy Metabolism in Rats Exposed to Chronic Cerebral Hypoperfusion. , 2011, , 2033-2048.		0
78	Molecular Structure of Epoxyalloalantolactone. <i>Chemistry of Natural Compounds</i> , 2013, 49, 533-534.	0.8	0
79	Mechanisms of the Cytotoxic Action of Novel Cyclic Hydroxamic Acids. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2020, 14, 340-346.	0.4	0
80	EUDESMANE SESQUITERPENE LACTONES OF THE GENUS INULA AND THEIR BIOLOGICAL ACTIVITY. <i>Khimiya Rastitel'nogo Syr'ya</i> , 2021, , 19-38.	0.3	0