

# Alexander N Shikov

## List of Publications by Year in descending order

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119  
papers

2,866  
citations

136950

32  
h-index

189892

50  
g-index

121  
all docs

121  
docs citations

121  
times ranked

3311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Medicinal Plants of the Russian Pharmacopoeia; their history and applications. Journal of Ethnopharmacology, 2014, 154, 481-536.	4.1	225
2	Evolution of the adaptogenic concept from traditional use to medical systems: Pharmacology of stress and aging-related diseases. Medicinal Research Reviews, 2021, 41, 630-703.	10.5	156
3	Mechanisms of Bioactivities of Fucoïdan from the Brown Seaweed <i>Fucus vesiculosus</i> L. of the Barents Sea. Marine Drugs, 2020, 18, 275.	4.6	116
4	Medicinal plants from the 14th edition of the Russian Pharmacopoeia, recent updates. Journal of Ethnopharmacology, 2021, 268, 113685.	4.1	109
5	Chemical and antioxidant evaluation of Indian gooseberry ( <i>Emblica officinalis</i> Gaertn., syn.) Tj ETQq1 1 0.784314 rgBT /Oyerlod	5.8	104
6	Future development of global regulations of Chinese herbal products. Journal of Ethnopharmacology, 2012, 140, 568-586.	4.1	102
7	Pharmacokinetic and Tissue Distribution of Fucoïdan from <i>Fucus vesiculosus</i> after Oral Administration to Rats. Marine Drugs, 2018, 16, 132.	4.6	94
8	Separation and evaluation of free radical-scavenging activity of phenol components of <i>Emblica officinalis</i> extract by using an HPTLC-DPPH method. Journal of Separation Science, 2007, 30, 1250-1254.	2.5	81
9	Effect of lipid-based suspension of <i>Epimedium koreanum</i> Nakai extract on sexual behavior in rats. Journal of Ethnopharmacology, 2007, 114, 412-416.	4.1	76
10	Efficacy of Natural Deep Eutectic Solvents for Extraction of Hydrophilic and Lipophilic Compounds from <i>Fucus vesiculosus</i> . Molecules, 2021, 26, 4198.	3.8	68
11	Traditional and Current Food Use of Wild Plants Listed in the Russian Pharmacopoeia. Frontiers in Pharmacology, 2017, 8, 841.	3.5	65
12	Blood pressure-lowering properties of chokeberry ( <i>Aronia mitchurinii</i> , var. Viking). Journal of Functional Foods, 2010, 2, 163-169.	3.4	60
13	Separation and free radical-scavenging activity of major curcuminoids of <i>Curcuma longa</i> using HPTLC-DPPH method. Phytochemical Analysis, 2008, 19, 236-243.	2.4	53
14	Metabolic profiling of <i>Rhodiola rosea</i> rhizomes by <sup>1</sup> H NMR spectroscopy. Phytochemical Analysis, 2011, 22, 158-165.	2.4	53
15	Natural Deep Eutectic Solvents for the Extraction of Phenyletanes and Phenylpropanoids of <i>Rhodiola rosea</i> L.. Molecules, 2020, 25, 1826.	3.8	51
16	Chemical Composition and in Vitro Antioxidant Evaluation of Commercial Water-Soluble Willow Herb ( <i>Epilobium angustifolium</i> L.) Extracts. Journal of Agricultural and Food Chemistry, 2006, 54, 3617-3624.	5.2	48
17	Nanodispersions of taxifolin: Impact of solid-state properties on dissolution behavior. International Journal of Pharmaceutics, 2009, 377, 148-152.	5.2	48
18	The Pharmacokinetics of Fucoïdan after Topical Application to Rats. Marine Drugs, 2019, 17, 687.	4.6	47

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19	Pharmacokinetics of Marine-Derived Drugs. <i>Marine Drugs</i> , 2020, 18, 557.	4.6	46
20	Separation and evaluation of free radical-scavenging activity of phenol components of green, brown, and black leaves of <i>Bergenia crassifolia</i> by using HPTLC-DPPH method. <i>Journal of Separation Science</i> , 2007, 30, 2447-2451.	2.5	45
21	ID-CUBE direct analysis in real time high-resolution mass spectrometry and its capabilities in the identification of phenolic components from the green leaves of <i>Bergenia crassifolia</i> L.. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1329-1337.	1.5	45
22	Natural Deep Eutectic Solvents as Alternatives for Extracting Phlorotannins from Brown Algae. <i>Pharmaceutical Chemistry Journal</i> , 2019, 53, 243-247.	0.8	45
23	<i>Aralia elata</i> var. <i>mandshurica</i> (Rupr. & Maxim.) J.Wen: An overview of pharmacological studies. <i>Phytomedicine</i> , 2016, 23, 1409-1421.	5.3	43
24	Chemical composition, antioxidative activity and cell viability effects of a Siberian pine ( <i>Pinus sibirica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.2	42
25	Naphthoquinone pigments from sea urchins: chemistry and pharmacology. <i>Phytochemistry Reviews</i> , 2018, 17, 509-534.	6.5	41
26	Anti-inflammatory activity of a HPLC-fingerprinted aqueous infusion of aerial part of <i>Bidens tripartita</i> L.. <i>Phytomedicine</i> , 2010, 17, 463-468.	5.3	40
27	Antibacterial activity of <i>Chamomilla recutita</i> oil extract against <i>Helicobacter pylori</i> . <i>Phytotherapy Research</i> , 2008, 22, 252-253.	5.8	37
28	Determination and pharmacokinetic study of taxifolin in rabbit plasma by high-performance liquid chromatography. <i>Phytomedicine</i> , 2009, 16, 244-251.	5.3	37
29	Effects of Ultrasound Treatment on the Chemical Composition and Anticoagulant Properties of Dry <i>Fucus</i> Extract. <i>Pharmaceutical Chemistry Journal</i> , 2015, 49, 183-186.	0.8	37
30	Separation and quantification of terpenoids of <i>Boswellia serrata</i> Roxb. extract by planar chromatography techniques (TLC and AMD). <i>Journal of Separation Science</i> , 2006, 29, 2245-2250.	2.5	36
31	Bioactivity and chemical characterization of gonads of green sea urchin <i>Strongylocentrotus droebachiensis</i> from Barents Sea. <i>Journal of Functional Foods</i> , 2015, 17, 227-234.	3.4	35
32	Comparison of high performance TLC and HPLC for separation and quantification of chlorogenic acid in green coffee bean extracts. <i>Journal of Separation Science</i> , 2008, 31, 237-241.	2.5	34
33	Antiallergic Effects of Pigments Isolated from Green Sea Urchin ( <i>Strongylocentrotus droebachiensis</i> ) Shells. <i>Planta Medica</i> , 2013, 79, 1698-1704.	1.3	33
34	<i>Oplopanax elatus</i> (Nakai) Nakai: chemistry, traditional use and pharmacology. <i>Chinese Journal of Natural Medicines</i> , 2014, 12, 721-729.	1.3	30
35	The Biochemical Composition and Antioxidant Properties of <i>Fucus vesiculosus</i> from the Arctic Region. <i>Marine Drugs</i> , 2022, 20, 193.	4.6	30
36	Birch bark extract as therapy for chronic hepatitis C – A pilot study. <i>Phytomedicine</i> , 2011, 18, 807-810.	5.3	29

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37	The offline combination of thin-layer chromatography and high-performance liquid chromatography with diode array detection and micrOTOF-Q mass spectrometry for the separation and identification of spinochromes from sea urchin ( <i>Strongylocentrotus droebachiensis</i> ) shells. <i>Journal of Chromatography A</i> , 2011, 1218, 9111-9114.	3.7	29
38	<i>Bergenia crassifolia</i> (L.) Fritsch – Pharmacology and phytochemistry. <i>Phytomedicine</i> , 2014, 21, 1534-1542.	5.3	28
39	Animal-derived medicinal products in Russia: Current nomenclature and specific aspects of quality control. <i>Journal of Ethnopharmacology</i> , 2019, 240, 111933.	4.1	26
40	Formulation, Optimization and In Vivo Evaluation of Fucoidan-Based Cream with Anti-Inflammatory Properties. <i>Marine Drugs</i> , 2021, 19, 643.	4.6	26
41	Effect of <i>Bergenia crassifolia</i> L. extracts on weight gain and feeding behavior of rats with high-caloric diet-induced obesity. <i>Phytomedicine</i> , 2012, 19, 1250-1255.	5.3	25
42	Comparison between HPLC and HPTLC densitometry for the determination of icariin from <i>Epimedium koreanum</i> extracts. <i>Journal of Separation Science</i> , 2007, 30, 708-712.	2.5	24
43	Adaptogenic effect of black and fermented leaves of <i>Bergenia crassifolia</i> L. in mice. <i>Journal of Functional Foods</i> , 2010, 2, 71-76.	3.4	24
44	Effect of <i>Leonurus cardiaca</i> oil extract in patients with arterial hypertension accompanied by anxiety and sleep disorders. <i>Phytotherapy Research</i> , 2011, 25, 540-543.	5.8	24
45	Anti-inflammatory effect of <i>Pinus sibirica</i> oil extract in animal models. <i>Journal of Natural Medicines</i> , 2008, 62, 436-440.	2.3	22
46	Evaluation of Free Radical-Scavenging Activity of Sea Urchin Pigments Using HPTLC with Post-Chromatographic Derivatization. <i>Chromatographia</i> , 2013, 76, 1353-1358.	1.3	21
47	Findings of Russian literature on the clinical application of <i>Eleutherococcus senticosus</i> (Rupr. & Tj) ETQq1 1 0.784314 rgBT /Overdo	4.1	19
48	Pharmacokinetics and Tissue Disposition of Nanosystem-Entrapped Betulin After Endotracheal Administration to Rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017, 42, 327-332.	1.6	18
49	The biological activities of fish peptides and methods of their isolation. <i>Russian Journal of Marine Biology</i> , 2012, 38, 417-422.	0.6	17
50	Phenolic constituents of <i>Gnaphalium uliginosum</i> L.. <i>Phytochemistry Letters</i> , 2010, 3, 45-47.	1.2	16
51	Medical Species Used in Russia for the Management of Diabetes and Related Disorders. <i>Frontiers in Pharmacology</i> , 2021, 12, 697411.	3.5	16
52	Antioxidant and Pro-Oxidant Evaluation of a <i>Potentilla alba</i> L. Rhizome Extract. <i>Chemistry and Biodiversity</i> , 2011, 8, 1344-1356.	2.1	15
53	Pharmacological evaluation of <i>Potentilla alba</i> L. in mice: adaptogenic and central nervous system effects. <i>Pharmaceutical Biology</i> , 2011, 49, 1023-1028.	2.9	14
54	Validated HPTLC method for quantification of vitamin D3 in fish oil. <i>Journal of Planar Chromatography - Modern TLC</i> , 2011, 24, 487-490.	1.2	14

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55	The Impact of Natural Deep Eutectic Solvents and Extraction Method on the Co-Extraction of Trace Metals from <i>Fucus vesiculosus</i> . <i>Marine Drugs</i> , 2022, 20, 324.	4.6	14
56	Biopharmaceutical study of nanosystems containing betulin for inhalation administration. <i>Pharmaceutical Chemistry Journal</i> , 2010, 44, 501-503.	0.8	13
57	Variability of Major Phenyletanes and Phenylpropanoids in 16-Year-Old <i>Rhodiola rosea</i> L. Clones in Norway. <i>Molecules</i> , 2020, 25, 3463.	3.8	13
58	Improved and validated HPTLC method for quantification of oenothien B and its use for analysis of <i>Epilobium angustifolium</i> L.. <i>Journal of Planar Chromatography - Modern TLC</i> , 2010, 23, 70-74.	1.2	12
59	Letter: Characterization of Volatile and Semi-Volatile Compounds in Green and Fermented Leaves of <i>Bergenia Crassifolia</i> L. by Gas Chromatography-Mass Spectrometry and ID-CUBE Direct Analysis in Real Time-High Resolution Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 199-205.	1.0	11
60	Chemical Profiling and Bioactivity of Body Wall Lipids from <i>Strongylocentrotus droebachiensis</i> . <i>Marine Drugs</i> , 2017, 15, 365.	4.6	11
61	Sceletium for Managing Anxiety, Depression and Cognitive Impairment: A Traditional Herbal Medicine in Modern-Day Regulatory Systems. <i>Current Neuropharmacology</i> , 2021, 19, 1384-1400.	2.9	10
62	Development and Validation of an LC Method for Simultaneous Determination of Ascorbic Acid and Three Phenolic Acids in Sustained Release Tablets at Single Wavelength. <i>Chromatographia</i> , 2008, 67, 709-713.	1.3	9
63	Pharmacokinetic Study of Bioactive Glycopeptide from <i>Strongylocentrotus droebachiensis</i> After Intranasal Administration to Rats Using Biomarker Approach. <i>Marine Drugs</i> , 2019, 17, 577.	4.6	9
64	Metabolomic and Pharmacologic Insights of Aerial and Underground Parts of <i>Glycyrrhiza uralensis</i> Fisch. ex DC. for Maximum Utilization of Medicinal Resources. <i>Frontiers in Pharmacology</i> , 2021, 12, 658670.	3.5	9
65	Determination of icariin in rat plasma by reverse-phase high performance liquid chromatography after oral administration of a lipid-based suspension of <i>Epimedium koreanum</i> extract. <i>Biomedical Chromatography</i> , 2008, 22, 625-629.	1.7	8
66	Rapid profiling of phenolic compounds of green and fermented <i>Bergenia crassifolia</i> L. leaves by UPLC-DAD-QqQ-MS and HPLC-DAD-ESI-QTOF-MS. <i>Natural Product Research</i> , 2014, 28, 1530-1533.	1.8	8
67	Immunomodulatory and antioxidants properties of fixed combination of fish oil with plant extracts. <i>Synergy</i> , 2015, 2, 19-24.	1.1	8
68	HPLC determination of glucosamine hydrochloride and chondroitin sulfate, weakly absorbing in the near UV region, in various buffer media. <i>Journal of Analytical Chemistry</i> , 2017, 72, 879-885.	0.9	8
69	LC Method for Quantification of Lutein in Rat Plasma: Validation, and Application to a Pharmacokinetic Study. <i>Chromatographia</i> , 2008, 68, 949-954.	1.3	7
70	Development and in vitro biopharmaceutical evaluation of a dihydroquercetin microemulsion. <i>Pharmaceutical Chemistry Journal</i> , 2009, 43, 352.	0.8	6
71	Comparative stability of dimeric and monomeric pigments extracted from sea urchin <i>Strongylocentrotus droebachiensis</i> . <i>Natural Product Research</i> , 2017, 31, 1747-1751.	1.8	6
72	Variation of chemical composition of <i>Epilobium angustifolium</i> during fermentation. <i>Planta Medica</i> , 2013, 79, .	1.3	6

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73	A Critical Review to Identify the Domains Used to Measure the Effect and Outcome of Adaptogenic Herbal Medicines. <i>Yale Journal of Biology and Medicine</i> , 2020, 93, 327-346.	0.2	6
74	Developing a model for mathematical description of the fractional composition and interphase contact surface for raw plant material extraction in a rotary-pulsation apparatus. <i>Pharmaceutical Chemistry Journal</i> , 2006, 40, 385-388.	0.8	5
75	Deciphering the Formulation Secret Underlying Chinese Huo-Clearing Herbal Drink. <i>Frontiers in Pharmacology</i> , 2021, 12, 654699.	3.5	5
76	Self-microemulsifying drug delivery systems as nanosystems for bioavailability enhancement of taxifolin in vitro. <i>Planta Medica</i> , 2007, 73, .	1.3	5
77	Rheological Study of Agar Hydrogels for Soft Capsule Shells. <i>Pharmaceutical Chemistry Journal</i> , 2014, 47, 556-558.	0.8	4
78	Challenges in the investigation of combinatory modes of action of nutrients and pharmaceuticals. <i>Synergy</i> , 2018, 7, 36-38.	1.1	4
79	Evaluation of acute toxicity of betulin. <i>Planta Medica</i> , 2011, 77, .	1.3	4
80	Self-microemulsifying drug delivery system as nanosystems for bioavailability enhancement of flavonoids in vitro. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, S29.	4.0	3
81	Validation of a quantitative determination method of diclofenac for in vitro bioequivalence evaluation of transdermal gel preparations. <i>Pharmaceutical Chemistry Journal</i> , 2010, 44, 43-46.	0.8	3
82	Preclinical Study of the Pharmacokinetics of a New Intravenous Dosage Form of Ubiquinol. <i>Pharmaceutical Chemistry Journal</i> , 2018, 51, 949-953.	0.8	3
83	Metabolite profiling and mechanisms of bioactivity of snake autolysate - A traditional Uzbek medicine. <i>Journal of Ethnopharmacology</i> , 2020, 250, 112459.	4.1	3
84	Optimization of the Composition and Production Technology of Fucoïdan Tablets and their Biopharmaceutical Evaluation. <i>Pharmaceutical Chemistry Journal</i> , 2020, 54, 509-513.	0.8	3
85	Creation of an Anti-Inflammatory, Leptin-Dependent Anti-Obesity Celastrol Mimic with Better Druggability. <i>Frontiers in Pharmacology</i> , 2021, 12, 705252.	3.5	3
86	Optimization of (Poly)Hydroxynaphthoquinone Extraction from Shells of <i>Strongylocentrotus Droebachiensis</i> Sea Urchins. <i>Pharmaceutical Chemistry Journal</i> , 2017, 51, 407-410.	0.8	2
87	<i>Alkanet.</i> , 2020, , 1-12.		2
88	Examination of adaptogenic effect of infusions of <i>Bergenia crassifolia</i> black and fermented leaves in the forced swimming test. <i>Planta Medica</i> , 2008, 74, .	1.3	2
89	Phospholipids and amino-acid composition of eggs of sea urchin from Barents Sea. <i>Planta Medica</i> , 2012, 78, .	1.3	2
90	Effects of lipid extract of sea urchins gonads in metabolic syndrome animal model. <i>Planta Medica</i> , 2013, 79, .	1.3	2

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91	Identification of spiroketal polyacetylenes as the main components of an oil extract of chamomile ( <i>Chamomilla recutita</i> L. Rausch.) flowers. <i>Planta Medica</i> , 2006, 72, .	1.3	2
92	Development of the method of quantitative spectrophotometric determination of the main active agents in preparations of the ginseng selective strain. <i>Pharmaceutical Chemistry Journal</i> , 1995, 29, 436-439.	0.8	1
93	Green technology to boost production of natural extracts. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, S28.	4.0	1
94	An in vitro model for evaluation of the release rate of hydrophobic compounds from coenzyme Q10 lozenges and in vivo/in vitro correlation. <i>Pharmaceutical Chemistry Journal</i> , 2012, 46, 456-459.	0.8	1
95	Comparative quantification of phosphatidylcholine in sea urchins eggs by instrumental TLC with various detection techniques. <i>Planta Medica</i> , 2010, 76, .	1.3	1
96	Composition of fatty oil of sea urchin eggs from Barents Sea. <i>Planta Medica</i> , 2011, 77, .	1.3	1
97	Nanosystems with taxifolin for solid dosage form and its bioavailability in vitro. <i>Planta Medica</i> , 2007, 73, .	1.3	1
98	HPLC evaluation of water-soluble extracts of <i>Chamaenerion angustifolium</i> L. and <i>Pentaphylloides fruticosa</i> L. <i>Planta Medica</i> , 2007, 73, .	1.3	1
99	Progress in using the drugs based on hydrobionts in treatment of respiratory viral infections and their complications. <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 2017, 15, 4-13.	0.6	1
100	Thiolysis-HPLC characterization of the phenolic composition of nut shells of <i>Pinus sibirica</i> (Du Tour) Rupr. <i>Planta Medica</i> , 2006, 72, .	1.3	1
101	Methods of extraction of medicinal plants. , 2022, , 771-796.		1
102	“Panisorb+ge”- new adsorbent from plant cell tissue culture. <i>European Journal of Pharmaceutical Sciences</i> , 1998, 6, S81.	4.0	0
103	Poster Session 2 “ Analytical Chemistry. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 54, 50-51.	2.4	0
104	Method development and validation of an HPLC assay for the detection of hopantenic acid in human plasma and its application to a pharmacokinetic study on volunteers. <i>Acta Chromatographica</i> , 2011, 23, 403-414.	1.3	0
105	Effect of polyethyleneglycol on coenzyme Q10 bioavailability from nanosystems in vitro. <i>Pharmaceutical Chemistry Journal</i> , 2012, 46, 241-244.	0.8	0
106	Variation in concentration of oenothien B in different samples of cultivated <i>Epilobium angustifolium</i> L. <i>Planta Medica</i> , 2008, 74, .	1.3	0
107	Application of <i>Leonurus cardiaca</i> L. oil extract for treatment of psycho neurological disorders in clinic. <i>Planta Medica</i> , 2010, 76, .	1.3	0
108	Adaptogenic and central nervous system effects of <i>Potentilla alba</i> L extract in mice. <i>Planta Medica</i> , 2010, 76, .	1.3	0

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109	Anti-inflammatory effect of peat distillates in animal models. <i>Planta Medica</i> , 2011, 77, .	1.3	0
110	METABOLIC EFFECTS OF CITRUS GRANDIS WHOLE FRUITS EXTRACT IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 2012, 10, 90-91.	0.6	0
111	BIOLOGICAL ACTIVE PREPARATIONS FROM HYDROBIONTS. <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 2012, 10, 99.	0.6	0
112	Protective effect of suberin against CCl4-induced hepatotoxicity. <i>Planta Medica</i> , 2012, 78, .	1.3	0
113	Effects of peat distillates in adjuvant arthritis of rats. <i>Planta Medica</i> , 2012, 78, .	1.3	0
114	Anti-inflammatory effects of lipids extract from the cod liver. <i>Planta Medica</i> , 2013, 79, .	1.3	0
115	Neurobehavioral Effects of the Intragastric Administration of Coenzyme Q10 Binary Solid Dispersion Tablets in Mice. <i>Pharmacologia</i> , 2013, 4, 529-534.	0.3	0
116	Search for the new anti-inflammatory agents based on glycosylated polypeptide complex extracted from sea urchins <i>Strongylocentrotus droebachiensis</i> . <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 2016, 14, 9-15.	0.6	0
117	Эффекты экстракта дробленого льняного семени на воспалительную реакцию в модели адьювантного артрита крысы. <i>Вестник Белорусского государственного университета. Медицина</i> , 2012, 1, 1-4.	0.6	0
118	Extraction of active compounds of <i>Sedum roseum</i> by natural deep eutectic solvent. <i>Planta Medica</i> , 2019, 85, .	1.3	0
119	Экстракция активных соединений из <i>Sedum roseum</i> с помощью естественного глубокого эвтектического растворителя. <i>Вестник Белорусского государственного университета. Медицина</i> , 2019, 1, 1-4.	1.3	0