

# Alexey Smirnov

## List of Publications by Year in descending order

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79  
papers

4,066  
citations

304602

22  
h-index

133188

59  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of Nitro-azolo[1,5-a]pyrimidines with Anti-Inflammatory and Protective Activity against LPS-Induced Acute Lung Injury. <i>Pharmaceuticals</i> , 2022, 15, 537.	1.7	4
2	Analysis of consumer behaviour in a retail drugstore chain in Russia based on the type of consumer loyalty. <i>Tropical Journal of Pharmaceutical Research</i> , 2021, 18, 1133-1140.	0.2	1
3	Halogenated and di-substituted benzenesulfonamides as selective inhibitors of carbonic anhydrase isoforms. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111825.	2.6	10
4	A Comparative Characterization of the Mitochondrial Genomes of <i>Paramoeba aparasomata</i> and <i>Neoparamoeba pemaquidensis</i> (Amoebozoa, Paramoebidae). <i>Journal of Eukaryotic Microbiology</i> , 2020, 67, 167-175.	0.8	2
5	<i>Pseudoparamoeba garorimi</i> n. sp., with Notes on Species Distinctions within the Genus. <i>Journal of Eukaryotic Microbiology</i> , 2020, 67, 132-139.	0.8	3
6	<i>Stygamoeba cauta</i> n. sp. (Amoebozoa, Discosea) – a new brackish-water species from NivÅ¥ Bay (Baltic Tj ETQq0.00 rgBT <sub>1</sub> /Overlock		
7	Industrial Power Consumption Forecasting Methods Comparison. , 2019, , .		6
8	Engineered Carbonic Anhydrase VI-Mimic Enzyme Switched the Structure and Affinities of Inhibitors. <i>Scientific Reports</i> , 2019, 9, 12710.	1.6	5
9	The complete mitochondrial genome of <i>Paravannella minima</i> (Amoebozoa, Discosea, Vannellida). <i>European Journal of Protistology</i> , 2019, 68, 80-87.	0.5	4
10	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 4-119.	0.8	904
11	Light-microscopic morphology and ultrastructure of <i>Polychaos annulatum</i> (Penard, 1902) Smirnov et Goodkov, 1998 (Amoebozoa, Tubulinea, Euamoebida), re-isolated from the surroundings of St. Petersburg (Russia). <i>Protistology</i> , 2019, 13, .	0.0	4
12	Processing of Chloride-Containing Productive Solutions after Uranium &lt;i>in situ</i> Leaching by Ion Exchange Method. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 231.	0.3	2
13	A New Approach of Implementation of MMSE Demodulator for Massive MIMO Systems. , 2019, , .		5
14	Non-Linear Ordered Precoding with Limited Feedback for Multiuser MIMO Systems. , 2019, , .		1
15	Plasmonic nanoparticles modified by dimercaptostilbene for metamaterials. , 2019, , .		0
16	The complete mitochondrial genome of <i>Vannella simplex</i> (Amoebozoa, Discosea, Vannellida). <i>European Journal of Protistology</i> , 2018, 63, 83-95.	0.5	5
17	Fine structure of <i>Leptomyxa ambigua</i> n. sp. CCAP 1546/2 strain, formerly known as ‘‘ Rhizamoeba flabellata ‘‘(Amoebozoa, Tubulinea, Leptomyxida). <i>European Journal of Protistology</i> , 2018, 62, 95-100.	0.5	3
18	Thermodynamic, kinetic, and structural parameterization of human carbonic anhydrase interactions toward enhanced inhibitor design. <i>Quarterly Reviews of Biophysics</i> , 2018, 51, e10.	2.4	35

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19	Characterization of Hydroxyproline-Containing Hairpin-Like Antimicrobial Peptide EcAMP1-Hyp from Barnyard Grass ( <i>Echinochloa crusgalli</i> L.) Seeds: Structural Identification and Comparative Analysis of Antifungal Activity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3449.	1.8	10
20	Direct Sequence Spread Spectrum System Noise and Interference Immunity Analysis. , 2018, , .		4
21	Evolutionary Genomics of <i>Metchnikovella incurvata</i> (Metchnikovellidae): An Early Branching Microsporidium. <i>Genome Biology and Evolution</i> , 2018, 10, 2736-2748.	1.1	34
22	Primary Structure Analysis of Antifungal Peptides from Cultivated and Wild Cereals. <i>Plants</i> , 2018, 7, 74.	1.6	14
23	Design of two-tail compounds with rotationally fixed benzenesulfonamide ring as inhibitors of carbonic anhydrases. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 61-78.	2.6	11
24	Effective precoding and demodulation techniques for 5G communication systems. , 2018, , .		10
25	More amoebae from the deep-sea: Two new marine species of Vexillifera (Amoebozoa, Dactylopodida) with notes on taxonomy of the genus. <i>European Journal of Protistology</i> , 2018, 66, 9-25.	0.5	8
26	Intrinsic thermodynamics of high affinity inhibitor binding to recombinant human carbonic anhydrase IV. <i>European Biophysics Journal</i> , 2018, 47, 271-290.	1.2	14
27	The complete mitochondrial genome of <i>Clydonella sawyeri</i> (Amoebozoa, Discosea, Vannellida). <i>Protistology</i> , 2018, 12, .	0.0	3
28	Fine structure of <i>Thecamoeba quadrilineata</i> strain CCAP 1583/10 (Amoebozoa, Discosea, Thecamoebida), the host of <i>Nucleophaga amoebae</i> (Opisthosporidia). <i>Protistology</i> , 2018, 12, .	0.0	4
29	Crystal structure correlations with the intrinsic thermodynamics of human carbonic anhydrase inhibitor binding. <i>PeerJ</i> , 2018, 6, e4412.	0.9	10
30	ENSURING ECOLOGICAL SAFETY AT THE MINING OF THE KTI-TEBERDA TUNGSTEN DEPOSIT. <i>Sustainable Development of Mountain Territories</i> , 2018, 10, 577-585.	0.1	0
31	Database of Ca Protein-Ligand Binding Gibbs Energies, Enthalpies, Entropies, Volumes, and Crystal Structures. <i>Biophysical Journal</i> , 2017, 112, 350a.	0.2	0
32	Soil protistology rebooted: 30 fundamental questions to start with. <i>Soil Biology and Biochemistry</i> , 2017, 111, 94-103.	4.2	130
33	Between a Pod and a Hard Test: The Deep Evolution of Amoebae. <i>Molecular Biology and Evolution</i> , 2017, 34, 2258-2270.	3.5	161
34	Description of <i>Flamella daurica</i> n. sp., with notes on the phylogeny of the genus <i>Flamella</i> and related taxa. <i>European Journal of Protistology</i> , 2017, 58, 164-174.	0.5	1
35	Intrinsic Thermodynamics and Structures of 2,4- and 3,4-Substituted Fluorinated Benzenesulfonamides Binding to Carbonic Anhydrases. <i>ChemMedChem</i> , 2017, 12, 161-176.	1.6	21
36	Combinatorial Design of Isoform-Selective N-Alkylated Benzimidazole-Based Inhibitors of Carbonic Anhydrases. <i>ChemistrySelect</i> , 2017, 2, 5360-5371.	0.7	8

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37	Phylogeny and Systematics of Leptomyxid Amoebae (Amoebozoa, Tubulinea, Leptomyxida). <i>Protist</i> , 2017, 168, 220-252.	0.6	11
38	The Value of Global Earth Observations. , 2017, , 137-142.		1
39	New data on the ultrastructure of <i>Paradermamoeba levis</i> (Amoebozoa, Discosea, Dermamoebida): Cytoplasmic MTOCs are found among Dermamoebida. <i>European Journal of Protistology</i> , 2016, 54, 74-82.	0.5	3
40	Regeneration of test in testate amoebae of the genus <i>Arcella</i> (Tubulinea, Arcellinida). <i>European Journal of Protistology</i> , 2016, 55, 128-140.	0.5	3
41	A convenient and mild method for 1,2,4-oxadiazole preparation: cyclodehydration of O-acylamidoximes in the superbase system MOH/DMSO. <i>Tetrahedron Letters</i> , 2016, 57, 2898-2900.	0.7	37
42	Genetic structure of a morphological species within the amoeba genus <i>Korotnevella</i> (Amoebozoa: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50)	0.5	20
43	Facile entry into structurally diverse, privileged, (hetero)arene-fused N-alkoxy 3,4-dihydrobenzo[f][1,4]oxazepin-5(2H)-ones. <i>Tetrahedron Letters</i> , 2016, 57, 5877-5880.	0.7	11
44	Untangling the early diversification of eukaryotes: a phylogenomic study of the evolutionary origins of Centrohelida, Haptophyta and Cryptista. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152802.	1.2	222
45	Viable Species of <i>Flamella</i> (Amoebozoa: Variosea) Isolated from Ancient Arctic Permafrost Sediments. <i>Protist</i> , 2016, 167, 13-30.	0.6	30
46	Topical trans-resveratrol ameliorates steroid-induced anterior and posterior segment changes in rats. <i>Experimental Eye Research</i> , 2016, 143, 9-16.	1.2	31
47	Intrinsic Thermodynamics - Structure Correlation of Carbonic Anhydrase Inhibitors. <i>Biophysical Journal</i> , 2015, 108, 217a.	0.2	0
48	FP298MYOCARDIAL REMODELING A LONG TERM AFTER NEPHRON MASS REDUCTION IN RATS. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, iii167-iii167.	0.4	0
49	SP417EFFECT OF LOW-PROTEIN DIET SUPPLEMENTED WITH ESSENTIAL AMINO ACIDS AND KETOANALOGUES ON TUBULOINTERSTITIAL FIBROSIS DEVELOPMENT IN RATS. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, iii516-iii516.	0.4	0
50	Anterior and posterior segment changes in rat eyes with chronic steroid administration and their responsiveness to antiglaucoma drugs. <i>European Journal of Pharmacology</i> , 2015, 749, 73-80.	1.7	28
51	Intrinsic thermodynamics of 4-substituted-2,3,5,6-tetrafluorobenzenesulfonamide binding to carbonic anhydrases by isothermal titration calorimetry. <i>Biophysical Chemistry</i> , 2015, 205, 51-65.	1.5	54
52	Functionalization of Fluorinated Benzenesulfonamides and Their Inhibitory Properties toward Carbonic Anhydrases. <i>ChemMedChem</i> , 2015, 10, 662-687.	1.6	34
53	SP414LOW-PROTEIN DIET SUPPLEMENTED WITH ESSENTIAL AMINO ACIDS AND KETOANALOGUES DELAY RISE OF BLOOD PRESSURE AND THE LEFT VENTRICLE HYPERTROPHY DEVELOPMENT IN SPONTANEOUSLY HYPERTENSIVE RATS WITH NEPHRECTOMY. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, iii515-iii515.	0.4	0
54	4-Amino-substituted Benzenesulfonamides as Inhibitors of Human Carbonic Anhydrases. <i>Molecules</i> , 2014, 19, 17356-17380.	1.7	18

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55	Two new species of the genus <i>Stenamoeba</i> (Discosea, Longamoebia): Cytoplasmic MTOC is present in one more amoebae lineage. <i>European Journal of Protistology</i> , 2014, 50, 153-165.	0.5	25
56	Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9435-9446.	2.9	72
57	Global wheat production potentials and management flexibility under the representative concentration pathways. <i>Global and Planetary Change</i> , 2014, 122, 107-121.	1.6	110
58	Recombinant production and inhibitor binding and stability characterization of 12 human carbonic anhydrase catalytic domains in bacterial and mammalian cells. <i>Journal of Biotechnology</i> , 2014, 185, S8.	1.9	0
59	Discrepancy between Species Borders at Morphological and Molecular Levels in the Genus <i>Cochliopodium</i> (Amoebozoa, Himatizmenida), with the Description of <i>Cochliopodium plurinucleolum</i> n. sp.. <i>Protist</i> , 2014, 165, 364-383.	0.6	30
60	Structure-Thermodynamics Correlations of Fluorinated Benzenesulfonamides as Inhibitors of Human Carbonic Anhydrases. <i>Biophysical Journal</i> , 2014, 106, 263a.	0.2	1
61	Intrinsic Thermodynamics and Structure Correlation of Benzenesulfonamides with a Pyrimidine Moiety Binding to Carbonic Anhydrases I, II, VII, XII, and XIII. <i>PLoS ONE</i> , 2014, 9, e114106.	1.1	19
62	4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2093-2106.	1.4	64
63	Evaluation of a Server-Grade Software-Only ARM Hypervisor. , 2013, , .		6
64	Survey on features of millimeter wave communication networks. , 2013, , .		3
65	Benzenesulfonamides with pyrimidine moiety as inhibitors of human carbonic anhydrases I, II, VI, VII, XII, and XIII. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6937-6947.	1.4	40
66	Dibenzo[b,f]pyrazolo[1,5-d][1,4]oxazepines: Facile Construction of a Rare Heterocyclic System via Tandem Aromatic Nucleophilic Substitution-Smiles Rearrangement-Denitrocyclization. <i>Synthesis</i> , 2012, 44, 2401-2407.	1.2	16
67	The Revised Classification of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2012, 59, 429-514.	0.8	1,340
68	Modified protocol for data transmission in ad-hoc networks with high speed objects using directional antennas. , 2011, , .		5
69	Barcoding Amoebae: Comparison of SSU, ITS and COI Genes as Tools for Molecular Identification of Naked Lobose Amoebae. <i>Protist</i> , 2010, 161, 102-115.	0.6	110
70	<i>Rhizamoeba neglecta</i> n. sp. (Amoebozoa, Tubulinea) from the bottom sediments of freshwater Lake Leshevoe (Valamo Island, North-Western Russia), with notes on the phylogeny of the order Leptomyxida. <i>European Journal of Protistology</i> , 2009, 45, 251-259.	0.5	9
71	Automatic Patch Generation for Buffer Overflow Attacks. , 2007, , .		16
72	Accurate Inter-Transaction Dependency Tracking for Repairable DBMS. , 2007, , .		0

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73	<i>Cochliopodium gallicum</i> n. sp. (Himatismenida), an amoeba bearing unique scales, from cyanobacterial mats in the Camargue (France). <i>European Journal of Protistology</i> , 2006, 42, 3-7.	0.5	22
74	Molecular Phylogeny and Classification of the Lobose Amoebae. <i>Protist</i> , 2005, 156, 129-142.	0.6	99
75	Ultrastructure and geographic distribution of the genus <i>Paradermamoeba</i> (Gymnamoebia,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.5	12
76	<i>Cochliopodium barki</i> n. sp. (Rhizopoda, Himatismenida) re-isolated from soil 30 years after its initial description. <i>European Journal of Protistology</i> , 2004, 40, 283-287.	0.5	16
77	Vertical Distribution of Gymnamoebae (Rhizopoda, Lobosea) in the Top Layer of Brackish-Water Sediments. <i>Protist</i> , 2004, 155, 437-446.	0.6	7
78	Spatial Distribution of Gymnamoebae (Rhizopoda, Lobosea) in Brackish-Water Sediments at the Scale of Centimeters and Millimeters. <i>Protist</i> , 2003, 154, 359-369.	0.6	14
79	Phylogeny of Lobose Amoebae Based on Actin and Small-Subunit Ribosomal RNA Genes. <i>Molecular Biology and Evolution</i> , 2003, 20, 1881-1886.	3.5	89