

Alexey Smirnov

List of Publications by Year in descending order

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304743
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all docs

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docs citations

80
times ranked

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#	ARTICLE	IF	CITATIONS
1	The Revised Classification of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2012, 59, 429-514.	1.7	1,340
2	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 4-119.	1.7	904
3	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.	2.6	222
4	Between a Pod and a Hard Test: The Deep Evolution of Amoebae. <i>Molecular Biology and Evolution</i> , 2017, 34, 2258-2270.	8.9	161
5	Soil protistology rebooted: 30 fundamental questions to start with. <i>Soil Biology and Biochemistry</i> , 2017, 111, 94-103.	8.8	130
6	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.	1.5	110
7	Global wheat production potentials and management flexibility under the representative concentration pathways. <i>Global and Planetary Change</i> , 2014, 122, 107-121.	3.5	110
8	Molecular Phylogeny and Classification of the Lobose Amoebae. <i>Protist</i> , 2005, 156, 129-142.	1.5	99
9	Phylogeny of Lobose Amoebae Based on Actin and Small-Subunit Ribosomal RNA Genes. <i>Molecular Biology and Evolution</i> , 2003, 20, 1881-1886.	8.9	89
10	Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9435-9446.	6.4	72
11	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.	3.0	64
12	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.	2.8	54
13	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.	3.0	40
14	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.	1.4	37
15	Thermodynamic, kinetic, and structural parameterization of human carbonic anhydrase interactions toward enhanced inhibitor design. <i>Quarterly Reviews of Biophysics</i> , 2018, 51, e10.	5.7	35
16	Functionalization of Fluorinated Benzenesulfonamides and Their Inhibitory Properties toward Carbonic Anhydrases. <i>ChemMedChem</i> , 2015, 10, 662-687.	3.2	34
17	Evolutionary Genomics of <i>Metchnikovella incurvata</i> (Metchnikovellidae): An Early Branching Microsporidium. <i>Genome Biology and Evolution</i> , 2018, 10, 2736-2748.	2.5	34
18	Topical trans-resveratrol ameliorates steroid-induced anterior and posterior segment changes in rats. <i>Experimental Eye Research</i> , 2016, 143, 9-16.	2.6	31

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19	Discrepancy between Species Borders at Morphological and Molecular Levels in the Genus <i>Cochliopodium</i> (Amoebozoa, Himatistenida), with the Description of <i>Cochliopodium plurinucleolum</i> n. sp.. Protist, 2014, 165, 364-383.	1.5	30
20	Viable Species of <i>Flamella</i> (Amoebozoa: Varioseae) Isolated from Ancient Arctic Permafrost Sediments. Protist, 2016, 167, 13-30.	1.5	30
21	Anterior and posterior segment changes in rat eyes with chronic steroid administration and their responsiveness to antiglaucoma drugs. European Journal of Pharmacology, 2015, 749, 73-80.	3.5	28
22	Two new species of the genus <i>Stenamoeba</i> (Discosea, Longamoebia): Cytoplasmic MTOC is present in one more amoebae lineage. European Journal of Protistology, 2014, 50, 153-165.	1.5	25
23	<i>Cochliopodium gallicum</i> n. sp. (Himatistenida), an amoeba bearing unique scales, from cyanobacterial mats in the Camargue (France). European Journal of Protistology, 2006, 42, 3-7.	1.5	22
24	Intrinsic Thermodynamics and Structures of 2,4- and 3,4-Substituted Fluorinated Benzenesulfonamides Binding to Carbonic Anhydrases. ChemMedChem, 2017, 12, 161-176.	3.2	21
25	Genetic structure of a morphological species within the amoeba genus <i>Korotnevella</i> (Amoebozoa: Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 142 Td	1.5	20
26	Intrinsic Thermodynamics and Structure Correlation of Benzenesulfonamides with a Pyrimidine Moiety Binding to Carbonic Anhydrases I, II, VII, XII, and XIII. PLoS ONE, 2014, 9, e114106.	2.5	19
27	4-Amino-substituted Benzenesulfonamides as Inhibitors of Human Carbonic Anhydrases. Molecules, 2014, 19, 17356-17380.	3.8	18
28	<i>Cochliopodium barki</i> n. sp. (Rhizopoda, Himatistenida) re-isolated from soil 30 years after its initial description. European Journal of Protistology, 2004, 40, 283-287.	1.5	16
29	Automatic Patch Generation for Buffer Overflow Attacks. , 2007, , .		16
30	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. Synthesis, 2012, 44, 2401-2407.	2.3	16
31	Spatial Distribution of <i>Gymnamoebae</i> (Rhizopoda, Lobosea) in Brackish-Water Sediments at the Scale of Centimeters and Millimeters. Protist, 2003, 154, 359-369.	1.5	14
32	Primary Structure Analysis of Antifungal Peptides from Cultivated and Wild Cereals. Plants, 2018, 7, 74.	3.5	14
33	Intrinsic thermodynamics of high affinity inhibitor binding to recombinant human carbonic anhydrase IV. European Biophysics Journal, 2018, 47, 271-290.	2.2	14
34	Ultrastructure and geographic distribution of the genus <i>Paradermamoeba</i> (Gymnamoebia,) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 142 Td	1.5	12
35	Facile entry into structurally diverse, privileged, (hetero)arene-fused N-alkoxy 3,4-dihydrobenzo[f][1,4]oxazepin-5(2H)-ones. Tetrahedron Letters, 2016, 57, 5877-5880.	1.4	11
36	Phylogeny and Systematics of Leptomyxid Amoebae (Amoebozoa, Tubulinea, Leptomyxida). Protist, 2017, 168, 220-252.	1.5	11

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37	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.	5.5	11
38	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.	4.1	10
39	Effective precoding and demodulation techniques for 5G communication systems. , 2018, , .		10
40	Halogenated and di-substituted benzenesulfonamides as selective inhibitors of carbonic anhydrase isoforms. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111825.	5.5	10
41	Crystal structure correlations with the intrinsic thermodynamics of human carbonic anhydrase inhibitor binding. <i>PeerJ</i> , 2018, 6, e4412.	2.0	10
42	<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.	1.5	9
43	Combinatorial Design of Isoform-Selective N-Alkylated Benzimidazole-Based Inhibitors of Carbonic Anhydrases. <i>ChemistrySelect</i> , 2017, 2, 5360-5371.	1.5	8
44	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.	1.5	8
45	Vertical Distribution of Gymnamoebae (Rhizopoda, Lobosea) in the Top Layer of Brackish-Water Sediments. <i>Protist</i> , 2004, 155, 437-446.	1.5	7
46	Evaluation of a Server-Grade Software-Only ARM Hypervisor. , 2013, , .		6
47	Industrial Power Consumption Forecasting Methods Comparison. , 2019, , .		6
48	Modified protocol for data transmission in ad-hoc networks with high speed objects using directional antennas. , 2011, , .		5
49	The complete mitochondrial genome of <i>Vannella simplex</i> (Amoebozoa, Discosea, Vannellida). <i>European Journal of Protistology</i> , 2018, 63, 83-95.	1.5	5
50	Engineered Carbonic Anhydrase VI-Mimic Enzyme Switched the Structure and Affinities of Inhibitors. <i>Scientific Reports</i> , 2019, 9, 12710.	3.3	5
51	A New Approach of Implementation of MMSE Demodulator for Massive MIMO Systems. , 2019, , .		5
52	Direct Sequence Spread Spectrum System Noise and Interference Immunity Analysis. , 2018, , .		4
53	The complete mitochondrial genome of <i>Paravannella minima</i> (Amoebozoa, Discosea, Vannellida). <i>European Journal of Protistology</i> , 2019, 68, 80-87.	1.5	4
54	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, .	0.2	4

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55	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, .	0.2	4
56	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.	3.8	4
57	Survey on features of millimeter wave communication networks. , 2013, , .		3
58	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.	1.5	3
59	Regeneration of test in testate amoebae of the genus <i>Arcella</i> (Tubulinea, Arcellinida). <i>European Journal of Protistology</i> , 2016, 55, 128-140.	1.5	3
60	Fine structure of <i>Leptomyxa ambigua</i> n. sp. CCAP 1546/2 strain, formerly known as “ <i>Rhizamoeba flabellata</i> ” (Amoebozoa, Tubulinea, Leptomyxida). <i>European Journal of Protistology</i> , 2018, 62, 95-100.	1.5	3
61	<i>Pseudoparamoeba garorimi</i> n. sp., with Notes on Species Distinctions within the Genus. <i>Journal of Eukaryotic Microbiology</i> , 2020, 67, 132-139.	1.7	3
62	The complete mitochondrial genome of <i>Clydonella sawyeri</i> (Amoebozoa, Discosea, Vannellida). <i>Protistology</i> , 2018, 12, .	0.2	3
63	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.	1.7	2
64	Processing of Chloride-Containing Productive Solutions after Uranium &in situ& Leaching by Ion Exchange Method. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 231.	0.8	2
65	Structure-Thermodynamics Correlations of Fluorinated Benzensulfonamides as Inhibitors of Human Carbonic Anhydrases. <i>Biophysical Journal</i> , 2014, 106, 263a.	0.5	1
66	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.	1.5	1
67	<i>Stygamoeba cauta</i> n. sp. (Amoebozoa, Discosea) “ a new brackish-water species from NivÅ Bay (Baltic) Tj ETQq1 1 0.784314 rgBT	1.5	1
68	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.	0.3	1
69	The Value of Global Earth Observations. , 2017, , 137-142.		1
70	Non-Linear Ordered Precoding with Limited Feedback for Multiuser MIMO Systems. , 2019, , .		1
71	Accurate Inter-Transaction Dependency Tracking for Repairable DBMS. , 2007, , .		0
72	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.	3.8	0

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73	Intrinsic Thermodynamics - Structure Correlation of Carbonic Anhydrase Inhibitors. Biophysical Journal, 2015, 108, 217a.	0.5	0
74	FP298MYOCARDIAL REMODELING A LONG TERM AFTER NEPHRON MASS REDUCTION IN RATS. Nephrology Dialysis Transplantation, 2015, 30, iii167-iii167.	0.7	0
75	SP417EFFECT OF LOW-PROTEIN DIET SUPPLEMENTED WITH ESSENTIAL AMINO ACIDS AND KETOANALOGUES ON TUBULOINTERSTITIAL FIBROSIS DEVELOPMENT IN RATS. Nephrology Dialysis Transplantation, 2015, 30, iii516-iii516.	0.7	0
76	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. Nephrology Dialysis Transplantation, 2015, 30, iii515-iii515.	0.7	0
77	Database of Ca Protein-Ligand Binding Gibbs Energies, Enthalpies, Entropies, Volumes, and Crystal Structures. Biophysical Journal, 2017, 112, 350a.	0.5	0
78	ENSURING ECOLOGICAL SAFETY AT THE MINING OF THE KTI-TEBERDA TUNGSTEN DEPOSIT. Sustainable Development of Mountain Territories, 2018, 10, 577-585.	0.3	0
79	Plasmonic nanoparticles modified by dimercaptostilbene for metamaterials. , 2019, , .		0