

# Alexander V Predeus

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,216  
citations

393982

19  
h-index

433756

31  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Caloric restriction in humans reveals immunometabolic regulators of health span. <i>Science</i> , 2022, 375, 671-677.	6.0	118
2	Systematic benchmark of state-of-the-art variant calling pipelines identifies major factors affecting accuracy of coding sequence variant discovery. <i>BMC Genomics</i> , 2022, 23, 155.	1.2	23
3	RNA Sequencing of Whole Blood Defines the Signature of High Intensity Exercise at Altitude in Elite Speed Skaters. <i>Genes</i> , 2022, 13, 574.	1.0	5
4	Data on RNA-seq analysis of the oviducts of five closely related species genus <i>Littorina</i> (Mollusca,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 108122.	0.5	0
5	Stepwise evolution of <i>Salmonella</i> Typhimurium ST313 causing bloodstream infection in Africa. <i>Nature Microbiology</i> , 2021, 6, 327-338.	5.9	68
6	Transcriptome analysis of crown gall in radish ( <i>Raphanus sativus</i> L.) inbred lines. <i>Annals of Applied Biology</i> , 2021, 178, 527-548.	1.3	5
7	Chromosome-level genome assembly and structural variant analysis of two laboratory yeast strains from the Peterhof Genetic Collection lineage. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	7
8	Complete Genome Sequences of African <i>Salmonella enterica</i> Serovar Enteritidis Clinical Isolates Associated with Bloodstream Infection. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	6
9	The limits of <i>Quediini</i> at last ( <i>Staphylinidae: Staphylininae</i> ): a rove beetle mega-radiation resolved by comprehensive sampling and anchored phylogenomics. <i>Systematic Entomology</i> , 2021, 46, 396-421.	1.7	16
10	Transcriptomic Analysis of Radish ( <i>Raphanus sativus</i> L.) Spontaneous Tumor. <i>Plants</i> , 2021, 10, 919.	1.6	4
11	Mitochondrial gene order of the freshwater bryozoan <i>Cristatella mucedo</i> retains ancestral lophotrochozoan features. <i>Mitochondrion</i> , 2021, 59, 96-104.	1.6	3
12	Intracellular niche-specific profiling reveals transcriptional adaptations required for the cytosolic lifestyle of <i>Salmonella enterica</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009280.	2.1	34
13	Species-Specific Proteins in the Oviducts of Snail Sibling Species: Proteotranscriptomic Study of <i>Littorina fabalis</i> and <i>L. obtusata</i> . <i>Biology</i> , 2021, 10, 1087.	1.3	2
14	An accessible, efficient and global approach for the large-scale sequencing of bacterial genomes. <i>Genome Biology</i> , 2021, 22, 349.	3.8	20
15	New Intranuclear Symbiotic Bacteria from Macronucleus of <i>Paramecium putrinum</i> "Candidatus <i>Gortzia yakutica</i> ". <i>Diversity</i> , 2020, 12, 198.	0.7	19
16	Systematic dissection of biases in whole-exome and whole-genome sequencing reveals major determinants of coding sequence coverage. <i>Scientific Reports</i> , 2020, 10, 2057.	1.6	72
17	Phenome-wide functional dissection of pleiotropic effects highlights key molecular pathways for human complex traits. <i>Scientific Reports</i> , 2020, 10, 1037.	1.6	27
18	<i>Salmonella</i> identified in pigs in Kenya and Malawi reveals the potential for zoonotic transmission in emerging pork markets. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008796.	1.3	17

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19	Truncating Variant in Myof Gene Is Associated With Limb-Girdle Type Muscular Dystrophy and Cardiomyopathy. <i>Frontiers in Genetics</i> , 2019, 10, 608.	1.1	10
20	Whole-exome sequencing provides insights into monogenic disease prevalence in Northwest Russia. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e964.	0.6	27
21	Adding function to the genome of African Salmonella Typhimurium ST313 strain D23580. <i>PLoS Biology</i> , 2019, 17, e3000059.	2.6	62
22	Whole-exome sequencing in Russian children with non-type 1 diabetes mellitus reveals a wide spectrum of genetic variants in MODY-related and unrelated genes. <i>Molecular Medicine Reports</i> , 2019, 20, 4905-4914.	1.1	18
23	Catching hidden variation: systematic correction of reference minor allele annotation in clinical variant calling. <i>Genetics in Medicine</i> , 2018, 20, 360-364.	1.1	26
24	Next-Generation Sequencing of Matched Ectopic and Eutopic Endometrium Identifies Novel Endometriosis-Related Genes. <i>Russian Journal of Genetics</i> , 2018, 54, 1358-1365.	0.2	8
25	Identification of Novel Candidate Markers of Type 2 Diabetes and Obesity in Russia by Exome Sequencing with a Limited Sample Size. <i>Genes</i> , 2018, 9, 415.	1.0	22
26	Effect of gene-lifestyle interaction on gestational diabetes risk. <i>Oncotarget</i> , 2017, 8, 112024-112035.	0.8	34
27	Long-Range Signaling in MutS and MSH Homologs via Switching of Dynamic Communication Pathways. <i>PLoS Computational Biology</i> , 2016, 12, e1005159.	1.5	7
28	NEXT-GENERATION GENE SEQUENCING AND ITS APPLICATIONS IN ONCOHEMATOLOGY. <i>Oncogematologiya</i> , 2016, 11, 56-63.	0.1	3
29	Targeted Chromatin Profiling Reveals Novel Enhancers in Ig H and Ig L Chain Loci. <i>Journal of Immunology</i> , 2014, 192, 1064-1070.	0.4	23
30	DNA Bending and Discrimination of Mismatches by MutS and Human Homologs. <i>Biophysical Journal</i> , 2014, 106, 691a-692a.	0.2	0
31	Differential Mismatch Recognition Specificities of Eukaryotic MutS Homologs, MutS <sup>±</sup> and MutS <sup>2</sup> . <i>Biophysical Journal</i> , 2014, 106, 2483-2492.	0.2	20
32	DNA Bending Propensity in the Presence of Base Mismatches: Implications for DNA Repair. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6194-6205.	1.2	45
33	Energetic and Structural Details of the Trigger-Loop Closing Transition in RNA Polymerase II. <i>Biophysical Journal</i> , 2013, 105, 767-775.	0.2	36
34	PRIMO: A Transferable Coarse-Grained Force Field for Proteins. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3769-3788.	2.3	87
35	Rational Synthesis for All <i>h</i> -Homocalixarenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 911-915.	7.2	7
36	Synthesis of <i>m,n</i> -Cyclophanes: Regiochemistry Transfer from Vinyl Halides to Cyclophanes via Fischer Carbene Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 8261-8267.	1.7	5

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37	Unifying model for molecular determinants of the preselection $V^2$ repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3206-15.	3.3	50
38	Conformational Sampling of Peptides in the Presence of Protein Crowders from AA/CG-Multiscale Simulations. Journal of Physical Chemistry B, 2012, 116, 8610-8620.	1.2	53
39	Optically Active Calixarenes Conduced by Methylene Substitution. Journal of the American Chemical Society, 2009, 131, 18018-18019.	6.6	42
40	Regulation of Orthogonal Functions in a Dual Catalyst System. Subservient Role of a Nonchiral Lewis Acid in an Asymmetric Catalytic Heteroatom Diels-Alder Reaction. Journal of the American Chemical Society, 2007, 129, 7216-7217.	6.6	68
41	Diels-Alder Reaction-Aromatization Approach toward Functionalized Ring C Allocolchicinoids. Enantioselective Total Synthesis of ( $\hat{\alpha}$ )-7S-Allocolchicine. Journal of Organic Chemistry, 2003, 68, 5826-5831.	1.7	68