

Mikhail I Schelkunov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Exploring the Limits for Reduction of Plastid Genomes: A Case Study of the Mycoheterotrophic Orchids <i>Epipogium aphyllum</i> and <i>Epipogium roseum</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 1179-1191.	2.5	116
2	Sequencing and Analysis of Plastid Genome in Mycoheterotrophic Orchid <i>Neottia nidus-avis</i> . <i>Genome Biology and Evolution</i> , 2011, 3, 1296-1303.	2.5	111
3	The Plastid Genome of Mycoheterotrophic Monocot <i>Petrosavia stellaris</i> Exhibits Both Gene Losses and Multiple Rearrangements. <i>Genome Biology and Evolution</i> , 2014, 6, 238-246.	2.5	75
4	Comparative analysis of genes encoding key steroid core oxidation enzymes in fast-growing <i>Mycobacterium</i> spp. strains. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 41-53.	2.5	66
5	Comparative analysis of plastid genomes of non-photosynthetic Ericaceae and their photosynthetic relatives. <i>Scientific Reports</i> , 2016, 6, 30042.	3.3	47
6	Genome-wide bioinformatics analysis of steroid metabolism-associated genes in <i>Nocardioides simplex</i> VKM Ac-2033D. <i>Current Genetics</i> , 2016, 62, 643-656.	1.7	40
7	<i>Rhopalocnemis phalloides</i> has one of the most reduced and mutated plastid genomes known. <i>PeerJ</i> , 2019, 7, e7500.	2.0	25
8	Phylogenetics of the mycoheterotrophic genus <i>Thismia</i> (Thismiaceae: Dioscoreales) with a focus on the Old World taxa: delineation of novel natural groups and insights into the evolution of morphological traits. <i>Botanical Journal of the Linnean Society</i> , 2020, 193, 287-315.	1.6	24
9	Complete Genome Sequence of Sterol-Transforming <i>Mycobacterium neoaurum</i> Strain VKM Ac-1815D. <i>Genome Announcements</i> , 2014, 2, .	0.8	23
10	Effect of methyl- β -cyclodextrin on gene expression in microbial conversion of phytosterol. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4659-4667.	3.6	23
11	Genome-wide response on phytosterol in 9-hydroxyandrostenedione-producing strain of <i>Mycobacterium</i> sp. VKM Ac-1817D. <i>BMC Biotechnology</i> , 2019, 19, 39.	3.3	20
12	RNA-seq highlights parallel and contrasting patterns in the evolution of the nuclear genome of fully mycoheterotrophic plants. <i>BMC Genomics</i> , 2018, 19, 602.	2.8	16
13	Mitochondrial Genome of <i>Fagopyrum esculentum</i> and the Genetic Diversity of Extranuclear Genomes in Buckwheat. <i>Plants</i> , 2020, 9, 618.	3.5	16
14	Mitochondrial genome of the nonphotosynthetic mycoheterotrophic plant <i>Hypopitys monotropa</i> , its structure, gene expression and RNA editing. <i>PeerJ</i> , 2020, 8, e9309.	2.0	16
15	Complete Genome Sequence of <i>Mycobacterium</i> sp. Strain VKM Ac-1817D, Capable of Producing 9 β -Hydroxy-androst-4-ene-3,17-dione from Phytosterol. <i>Genome Announcements</i> , 2015, 3, .	0.8	15
16	Assembly and Analysis of the Complete Mitochondrial Genome of <i>Capsella bursa-pastoris</i> . <i>Plants</i> , 2020, 9, 469.	3.5	14
17	Complete Genome Sequence of Steroid-Transforming <i>Nocardioides simplex</i> VKM Ac-2033D. <i>Genome Announcements</i> , 2015, 3, .	0.8	13
18	Comparative Analysis of Plastid Genomes in the Non-photosynthetic Genus <i>Thismia</i> Reveals Ongoing Gene Set Reduction. <i>Frontiers in Plant Science</i> , 2021, 12, 602598.	3.6	13

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19	Knockdown of the neuronal gene Lim3 at the early stages of development affects mitochondrial function and lifespan in <i>Drosophila</i> . <i>Mechanisms of Ageing and Development</i> , 2019, 181, 29-41.	4.6	12
20	Different genome-wide transcriptome responses of <i>Nocardioides simplex</i> VKM Ac-2033D to phytosterol and cortisone 21-acetate. <i>BMC Biotechnology</i> , 2021, 21, 7.	3.3	12
21	Genome-Wide Transcriptome Profiling Provides Insight on Cholesterol and Lithocholate Degradation Mechanisms in <i>Nocardioides simplex</i> VKM Ac-2033D. <i>Genes</i> , 2020, 11, 1229.	2.4	8
22	Genomic comparison of non-photosynthetic plants from the family Balanophoraceae with their photosynthetic relatives. <i>PeerJ</i> , 2021, 9, e12106.	2.0	7
23	The complete genome of the oil emulsifying strain <i>Thalassolituus oleivorans</i> K-188 from the Barents Sea. <i>Marine Genomics</i> , 2018, 37, 18-20.	1.1	4
24	Palynological study of Asian <i>Thismia</i> (Thismiaceae: Dioscoreales) reveals an unusual pollen type. <i>Plant Systematics and Evolution</i> , 2021, 307, 1.	0.9	3
25	Genome Sequencing of Steroid-Producing Bacteria with Illumina Technology. <i>Methods in Molecular Biology</i> , 2017, 1645, 29-44.	0.9	1
26	Excessive Parallelism in Protein Evolution of Lake Baikal Amphipod Species Flock. <i>Genome Biology and Evolution</i> , 2020, 12, 1493-1503.	2.5	1
27	Complete genome assembly data of <i>paenibacillus</i> sp. RUD330, a hypothetical symbiont of <i>euglena gracilis</i> . <i>Data in Brief</i> , 2020, 32, 106070.	1.0	0