

# Maxim Itkin

## List of Publications by Year in descending order

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29  
papers

1,860  
citations

516215

16  
h-index

500791

28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of Antinutritional Alkaloids in Solanaceous Crops Is Mediated by Clustered Genes. <i>Science</i> , 2013, 341, 175-179.	6.0	464
2	TOMATO AGAMOUS $\epsilon$ 1 is a component of the fruit ripening regulatory network. <i>Plant Journal</i> , 2009, 60, 1081-1095.	2.8	298
3	GLYCOALKALOID METABOLISM1 Is Required for Steroidal Alkaloid Glycosylation and Prevention of Phytotoxicity in Tomato. <i>Plant Cell</i> , 2011, 23, 4507-4525.	3.1	205
4	Urea Cycle Dysregulation Generates Clinically Relevant Genomic and Biochemical Signatures. <i>Cell</i> , 2018, 174, 1559-1570.e22.	13.5	183
5	The biosynthetic pathway of the nonsugar, high-intensity sweetener mogroside V from <i>Siraitia grosvenorii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7619-E7628.	3.3	134
6	The PH gene determines fruit acidity and contributes to the evolution of sweet melons. <i>Nature Communications</i> , 2014, 5, 4026.	5.8	100
7	Host succinate is an activation signal for <i>Salmonella</i> virulence during intracellular infection. <i>Science</i> , 2021, 371, 400-405.	6.0	68
8	An <i>Orange Ripening</i> Mutant Links Plastid NAD(P)H Dehydrogenase Complex Activity to Central and Specialized Metabolism during Tomato Fruit Maturation. <i>Plant Cell</i> , 2010, 22, 1977-1997.	3.1	61
9	Targeting purine synthesis in ASS1-expressing tumors enhances the response to immune checkpoint inhibitors. <i>Nature Cancer</i> , 2020, 1, 894-908.	5.7	43
10	Metabolomic foundation for differential responses of lipid metabolism to nitrogen and phosphorus deprivation in an arachidonic acid-producing green microalga. <i>Plant Science</i> , 2019, 283, 95-115.	1.7	35
11	Recombinant yeast as a functional tool for understanding bitterness and cucurbitacin biosynthesis in watermelon ( <i>Citrullus</i> spp.). <i>Yeast</i> , 2014, 32, n/a-n/a.	0.8	27
12	Transcriptome analysis and metabolic profiling reveal the key role of $\gamma$ -linolenic acid in dormancy regulation of European pear. <i>Journal of Experimental Botany</i> , 2019, 70, 1017-1031.	2.4	27
13	Systemic Regulation of Host Energy and Oogenesis by Microbiome-Derived Mitochondrial Coenzymes. <i>Cell Reports</i> , 2021, 34, 108583.	2.9	27
14	Quorum-Sensing System Affects Gall Development Incited by <i>Pantoea agglomerans</i> pv. <i>gypsophilae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1094-1105.	1.4	24
15	Co-mapping studies of QTLs for fruit acidity and candidate genes of organic acid metabolism and proton transport in sweet melon ( <i>Cucumis melo</i> L.). <i>Theoretical and Applied Genetics</i> , 2012, 125, 343-353.	1.8	24
16	Lipidome Remodeling and Autophagic Respose in the Arachidonic-Acid-Rich Microalga <i>Lobosphaera incisa</i> Under Nitrogen and Phosphorous Deprivation. <i>Frontiers in Plant Science</i> , 2020, 11, 614846.	1.7	22
17	Clock proteins and training modify exercise capacity in a daytime-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
18	Resolving the conflict between antibiotic production and rapid growth by recognition of peptidoglycan of susceptible competitors. <i>Nature Communications</i> , 2022, 13, 431.	5.8	17

#	ARTICLE	IF	CITATIONS
19	The mitochondrial carrier Citrin plays a role in regulating cellular energy during carcinogenesis. <i>Oncogene</i> , 2020, 39, 164-175.	2.6	16
20	Lipoxygenase functions in 1O <sub>2</sub> production during root responses to osmotic stress. <i>Plant Physiology</i> , 2021, 185, 1638-1651.	2.3	15
21	BCKDK regulates the TCA cycle through PDC in the absence of PDK family during embryonic development. <i>Developmental Cell</i> , 2021, 56, 1182-1194.e6.	3.1	10
22	Fatty acid transport protein 2 interacts with ceramide synthase 2 to promote ceramide synthesis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101735.	1.6	9
23	Metabolomic Changes Are Predictive of Aging in Laying Hens. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1757-1768.	1.7	6
24	Sugar-regulated susceptibility of tomato fruit to <i>Colletotrichum</i> and <i>Penicillium</i> requires differential mechanisms of pathogenicity and fruit responses. <i>Environmental Microbiology</i> , 2020, 22, 2870-2891.	1.8	5
25	Imaging flow cytometry reveals a dual role for exopolysaccharides in biofilms: To promote self-adhesion while repelling non-self-community members. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 15-25.	1.9	4
26	<i>Bioengineering.</i> , 2009, , 435-473.		3
27	Resilience to Freezing in the Vegetative Cells of the Microalga <i>Lobosphaera incisa</i> (Trebouxiophyceae,) Tj ETQq1 1 Q.784314 ggBT /Ov	1.0	1
28	Protocol for studying microbiome impact on host energy and reproduction in <i>Drosophila</i> . <i>STAR Protocols</i> , 2022, 3, 101253.	0.5	2
29	Obesity modulates Alzheimer's disease through accelerated immune ageing.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e052670.	0.4	0