

# Albert Batushansky

## List of Publications by Year in descending order

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31  
papers

1,147  
citations

471509

17  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1926  
citing authors

#	ARTICLE	IF	CITATIONS
1	An In Vivo Stable Isotope Labeling Method to Investigate Individual Matrix Protein Synthesis, Ribosomal Biogenesis, and Cellular Proliferation in Murine Articular Cartilage. <i>Function</i> , 2022, 3, zqac008.	2.3	8
2	Insulin-like growth factor 1 receptor mediates photoreceptor neuroprotection. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	7
3	Sirt5 Deficiency Causes Posttranslational Protein Malonylation and Dysregulated Cellular Metabolism in Chondrocytes Under Obesity Conditions. <i>Cartilage</i> , 2021, 13, 1185S-1199S.	2.7	16
4	Increasing Glycolysis Protects Cardiac Function Against High Fat Diet-Induced Cardiomyopathy. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
5	PFKFB3-dependent glucose metabolism regulates 3T3-L1 adipocyte development. <i>FASEB Journal</i> , 2021, 35, e21728.	0.5	3
6	Correlation network analysis shows divergent effects of a long-term, high-fat diet and exercise on early stage osteoarthritis phenotypes in mice. <i>Journal of Sport and Health Science</i> , 2020, 9, 119-131.	6.5	17
7	The complex response of free and bound amino acids to water stress during the seed setting stage in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 838-855.	5.7	9
8	Proximal colon-derived O-glycosylated mucus encapsulates and modulates the microbiota. <i>Science</i> , 2020, 370, 467-472.	12.6	122
9	A Shift in Glycerolipid Metabolism Defines the Follicular Fluid of IVF Patients with Unexplained Infertility. <i>Biomolecules</i> , 2020, 10, 1135.	4.0	9
10	Can metabolic tightening and expansion of co-expression network play a role in stress response and tolerance?. <i>Plant Science</i> , 2020, 293, 110409.	3.6	11
11	Enhancing cardiac glycolysis causes an increase in PDK4 content in response to short-term high-fat diet. <i>Journal of Biological Chemistry</i> , 2019, 294, 16831-16845.	3.4	13
12	GC-MS metabolic profiling reveals fructose-2,6-bisphosphate regulates branched chain amino acid metabolism in the heart during fasting. <i>Metabolomics</i> , 2019, 15, 18.	3.0	18
13	Adaptive responses of amino acid metabolism to the combination of desiccation and low nitrogen availability in <i>Sporobolus stapfianus</i> . <i>Planta</i> , 2019, 249, 1535-1549.	3.2	4
14	Topological Data Analysis as a Morphometric Method: Using Persistent Homology to Demarcate a Leaf Morphospace. <i>Frontiers in Plant Science</i> , 2018, 9, 553.	3.6	62
15	Independent effects of dietary fat and sucrose content on chondrocyte metabolism and osteoarthritis pathology in mice. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	20
16	Network-Guided GWAS Improves Identification of Genes Affecting Free Amino Acids. <i>Plant Physiology</i> , 2017, 173, 872-886.	4.8	52
17	A combination of stomata deregulation and a distinctive modulation of amino acid metabolism are associated with enhanced tolerance of wheat varieties to transient drought. <i>Metabolomics</i> , 2017, 13, 1.	3.0	6
18	Correlation-Based Network Generation, Visualization, and Analysis as a Powerful Tool in Biological Studies: A Case Study in Cancer Cell Metabolism. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	68

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19	Environmental and genetic effects on tomato seed metabolic balance and its association with germination vigor. <i>BMC Genomics</i> , 2016, 17, 1047.	2.8	28
20	Paclobutrazol induces tolerance in tomato to deficit irrigation through diversified effects on plant morphology, physiology and metabolism. <i>Scientific Reports</i> , 2016, 6, 39321.	3.3	47
21	Effects of Parental Temperature and Nitrate on Seed Performance are Reflected by Partly Overlapping Genetic and Metabolic Pathways. <i>Plant and Cell Physiology</i> , 2016, 57, 473-487.	3.1	37
22	Metabolic and Physiological Responses of Shiraz and Cabernet Sauvignon ( <i>Vitis vinifera</i> L.) to Near Optimal Temperatures of 25 and 35 °C. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24276-24294.	4.1	52
23	Sulfite Oxidase Activity Is Essential for Normal Sulfur, Nitrogen and Carbon Metabolism in Tomato Leaves. <i>Plants</i> , 2015, 4, 573-605.	3.5	22
24	The transporter GAT1 plays an important role in GABA-mediated carbon-nitrogen interactions in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015, 6, 785.	3.6	30
25	Combined correlation-based network and mQTL analyses efficiently identified loci for branched-chain amino acid, serine to threonine, and proline metabolism in tomato seeds. <i>Plant Journal</i> , 2015, 81, 121-133.	5.7	55
26	Combined Transcriptomics and Metabolomics of Arabidopsis thaliana Seedlings Exposed to Exogenous GABA Suggest Its Role in Plants Is Predominantly Metabolic. <i>Molecular Plant</i> , 2014, 7, 1065-1068.	8.3	56
27	Metabolite and transcript profiling of berry skin during fruit development elucidates differential regulation between Cabernet Sauvignon and Shiraz cultivars at branching points in the polyphenol pathway. <i>BMC Plant Biology</i> , 2014, 14, 188.	3.6	135
28	Metabolite Profiling and Integrative Modeling Reveal Metabolic Constraints for Carbon Partitioning under Nitrogen Starvation in the Green Algae <i>Haematococcus pluvialis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 30387-30403.	3.4	103
29	Growth, lipid production and metabolic adjustments in the euryhaline eustigmatophyte <i>Nannochloropsis oceanica</i> CCALA 804 in response to osmotic downshift. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8291-8306.	3.6	65
30	Growth Platform-Dependent and -Independent Phenotypic and Metabolic Responses of Arabidopsis and Its Halophytic Relative, <i>Eutrema salsugineum</i> , to Salt Stress. <i>Plant Physiology</i> , 2013, 162, 1583-1598.	4.8	50
31	The Investment in Scent: Time-Resolved Metabolic Processes in Developing Volatile-Producing <i>Nigella sativa</i> L. Seeds. <i>PLoS ONE</i> , 2013, 8, e73061.	2.5	5