Satinder K Gidda

List of Publications by Year
in descending order

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32 papers	1,871 citations	331670 21 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1962 citing authors

#	Article	IF	Citations
1	Subcellular Localization of Acyl-CoA: Lysophosphatidylethanolamine Acyltransferases (LPEATs) and the Effects of Knocking-Out and Overexpression of Their Genes on Autophagy Markers Level and Life Span of A. thaliana. International Journal of Molecular Sciences, 2021, 22, 3006.	4.1	6
2	Arabidopsis thaliana EARLY RESPONSIVE TO DEHYDRATION 7 Localizes to Lipid Droplets via Its Senescence Domain. Frontiers in Plant Science, 2021, 12, 658961.	3.6	16
3	LDIP cooperates with SEIPIN and LDAP to facilitate lipid droplet biogenesis in Arabidopsis. Plant Cell, 2021, 33, 3076-3103.	6.6	31
4	Mouse Fat-Specific Protein 27 (FSP27) expressed in plant cells localizes to lipid droplets and promotes lipid droplet accumulation and fusion. Biochimie, 2020, 169, 41-53.	2.6	14
5	SEIPIN Isoforms Interact with the Membrane-Tethering Protein VAP27-1 for Lipid Droplet Formation. Plant Cell, 2020, 32, 2932-2950.	6.6	39
6	Genome-wide analysis of Homo sapiens, Arabidopsis thaliana, and Saccharomyces cerevisiae reveals novel attributes of tail-anchored membrane proteins. BMC Genomics, 2019, 20, 835.	2.8	4
7	An RK/ST C-Terminal Motif is Required for Targeting of OEP7.2 and a Subset of Other Arabidopsis Tail-Anchored Proteins to the Plastid Outer Envelope Membrane. Plant and Cell Physiology, 2019, 60, 516-537.	3.1	16
8	Distinct domains within the NITROGEN LIMITATION ADAPTATION protein mediate its subcellular localization and function in the nitrate-dependent phosphate homeostasis pathway. Botany, 2018, 96, 79-96.	1.0	5
9	New Insights Into Sunflower (Helianthus annuus L.) FatA and FatB Thioesterases, Their Regulation, Structure and Distribution. Frontiers in Plant Science, 2018, 9, 1496.	3.6	18
10	Engineering the production of conjugated fatty acids in Arabidopsis thaliana leaves. Plant Biotechnology Journal, 2017, 15, 1010-1023.	8.3	29
11	An Apoplastic Î²-Glucosidase is Essential for the Degradation of Flavonol 3-O-Î²-Glucoside-7-O-Î±-Rhamnosides in Arabidopsis. Plant and Cell Physiology, 2017, 58, 1030-1047.	3.1	18
12	Mouse fat storageâ€inducing transmembrane protein 2 (<scp>FIT</scp>2) promotes lipid droplet accumulation in plants. Plant Biotechnology Journal, 2017, 15, 824-836.	8.3	37
13	Arabidopsis lipid dropletâ€associated protein (LDAP) â€“ interacting protein (<scp>LDIP</scp>) influences lipid droplet size and neutral lipid homeostasis in both leaves and seeds. Plant Journal, 2017, 92, 1182-1201.	5.7	71
14	Arabidopsis TH2 Encodes the Orphan Enzyme Thiamin Monophosphate Phosphatase. Plant Cell, 2016, 28, 2683-2696.	6.6	42
15	Sunflower HaGPAT9-1 is the predominant GPAT during seed development. Plant Science, 2016, 252, 42-52.	3.6	30
16	Lipid Droplet-Associated Proteins (LDAPs) Are Required for the Dynamic Regulation of Neutral Lipid Compartmentation in Plant Cells. Plant Physiology, 2016, 170, 2052-2071.	4.8	125
17	Multiple Domains in <scp>PEX16</scp> Mediate Its Trafficking and Recruitment of Peroxisomal Proteins to the <scp>ER</scp>. Traffic, 2015, 16, 832-852.	2.7	35
18	New insights into the targeting of a subset of tail-anchored proteins to the outer mitochondrial membrane. Frontiers in Plant Science, 2014, 5, 426.	3.6	29

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19	Production of a Brassica napus Low-Molecular Mass Acyl-Coenzyme A-Binding Protein in Arabidopsis Alters the Acyl-Coenzyme A Pool and Acyl Composition of Oil in Seeds Â Â Â. Plant Physiology, 2014, 165, 550-560.	4.8	42
20	Arabidopsis and Maize RidA Proteins Preempt Reactive Enamine/Imine Damage to Branched-Chain Amino Acid Biosynthesis in Plastids Â Â. Plant Cell, 2014, 26, 3010-3022.	6.6	55
21	CGI-58, a key regulator of lipid homeostasis and signaling in plants, also regulates polyamine metabolism. Plant Signaling and Behavior, 2014, 9, e27723.	2.4	10
22	Identification of a New Class of Lipid Droplet-Associated Proteins in Plants Â Â Â. Plant Physiology, 2013, 162, 1926-1936.	4.8	167
23	The Î±/Î² Hydrolase CGI-58 and Peroxisomal Transport Protein PXA1 Coregulate Lipid Homeostasis and Signaling in Arabidopsis Â. Plant Cell, 2013, 25, 1726-1739.	6.6	77
24	Lipid droplet-associated proteins (LDAPs) are involved in the compartmentalization of lipophilic compounds in plant cells. Plant Signaling and Behavior, 2013, 8, e27141.	2.4	55
25	Glyoxylate Reductase Isoform 1 is Localized in the Cytosol and Not Peroxisomes in Plant Cells. Journal of Integrative Plant Biology, 2012, 54, 152-168.	8.5	33
26	CGIâ€58 regulates triacylglycerol metabolism and lipid signaling pathways in plant cells. FASEB Journal, 2012, 26, 594.3.	0.5	0
27	Hydrophobicâ€Domainâ€Dependent Proteinâ€“Protein Interactions Mediate the Localization of GPAT Enzymes to ER Subdomains. Traffic, 2011, 12, 452-472.	2.7	47
28	Disruption of the Arabidopsis CGI-58 homologue produces Chanarinâ€“Dorfman-like lipid droplet accumulation in plants. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17833-17838.	7.1	125
29	TEMPERATUREâ€SENSITIVE, POSTâ€TRANSLATIONAL REGULATION OF PLANT OMEGAâ€3 FATTY ACID DESATURASES IS MEDIATED BY THE ERâ€ASSOCIATED DEGRADATION PATHWAY. FASEB Journal, 2010, 24, 844.1.	0.5	0
30	Arabidopsis thaliana GPAT8 and GPAT9 are localized to the ER and possess distinct ER retrieval signals: Functional divergence of the dilysine ER retrieval motif in plant cells. Plant Physiology and Biochemistry, 2009, 47, 867-879.	5.8	128
31	Arabidopsis PEROXIN11c-e, FISSION1b, and DYNAMIN-RELATED PROTEIN3A Cooperate in Cell Cycleâ€“Associated Replication of Peroxisomes. Plant Cell, 2008, 20, 1567-1585.	6.6	98
32	Tung Tree DGAT1 and DGAT2 Have Nonredundant Functions in Triacylglycerol Biosynthesis and Are Localized to Different Subdomains of the Endoplasmic Reticulum. Plant Cell, 2006, 18, 2294-2313.	6.6	469