

# Smita Kurup

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

2,232  
citations

331670

21  
h-index

454955

30  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatty acids in arbuscular mycorrhizal fungi are synthesized by the host plant. <i>Science</i> , 2017, 356, 1175-1178.	12.6	503
2	Interactions of the developmental regulator ABI3 with proteins identified from developing <i>Arabidopsis</i> seeds. <i>Plant Journal</i> , 2000, 21, 143-155.	5.7	210
3	Transactivated and chemically inducible gene expression in plants. <i>Plant Journal</i> , 2006, 45, 651-683.	5.7	157
4	Marking cell lineages in living tissues. <i>Plant Journal</i> , 2005, 42, 444-453.	5.7	141
5	The SUGAR-DEPENDENT1 Lipase Limits Triacylglycerol Accumulation in Vegetative Tissues of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 1282-1289.	4.8	125
6	bZIP67 Regulates the Omega-3 Fatty Acid Content of <i>Arabidopsis</i> Seed Oil by Activating FATTY ACID DESATURASE3. <i>Plant Cell</i> , 2013, 25, 3104-3116.	6.6	115
7	Molecular and genetic mechanisms regulating the transition from embryo development to germination. <i>Trends in Plant Science</i> , 1999, 4, 275-280.	8.8	107
8	Suppression of the SUGAR-DEPENDENT1 triacylglycerol lipase family during seed development enhances oil yield in oilseed rape ( <i>Brassica napus</i> ). <i>Journal of Experimental Botany</i> , 2015, 56, 1450-1457.	10.8	108
9	ABI3 emerges from the seed. <i>Trends in Plant Science</i> , 2000, 5, 418-419.	8.8	91
10	High Resolution Melt (HRM) analysis is an efficient tool to genotype EMS mutants in complex crop genomes. <i>Plant Methods</i> , 2011, 7, 43.	4.3	79
11	A Hypomethylated population of <i>Brassica rapa</i> for forward and reverse Epi-genetics. <i>BMC Plant Biology</i> , 2012, 12, 193.	3.6	64
12	Signalling mechanisms in the regulation of vacuolar ion release in guard cells. <i>New Phytologist</i> , 2007, 175, 630-640.	7.3	60
13	PHOSPHATIDIC ACID PHOSPHOHYDROLASE Regulates Phosphatidylcholine Biosynthesis in <i>Arabidopsis</i> by Phosphatidic Acid-Mediated Activation of CTP:PHOSPHOCHOLINE CYTIDYLYLTRANSFERASE Activity. <i>Plant Cell</i> , 2015, 27, 1251-1264.	6.6	56
14	Parental genome imbalance in <i>Brassica oleracea</i> causes asymmetric triploid block. <i>Plant Journal</i> , 2012, 71, 503-516.	5.7	48
15	Genome Wide Analysis of Fatty Acid Desaturation and Its Response to Temperature. <i>Plant Physiology</i> , 2017, 173, 1594-1605.	4.8	48
16	Identification and analysis of proteins that interact with the <i>Avena fatua</i> homologue of the maize transcription factor VIVIPAROUS 1. <i>Plant Journal</i> , 2000, 21, 133-142.	5.7	46
17	Distribution of calcium (Ca) and magnesium (Mg) in the leaves of <i>Brassica rapa</i> under varying exogenous Ca and Mg supply. <i>Annals of Botany</i> , 2012, 109, 1081-1089.	2.9	43
18	Promoter Variation and Transcript Divergence in Brassicaceae Lineages of FLOWERING LOCUS T. <i>PLoS ONE</i> , 2012, 7, e47127.	2.5	37

#	ARTICLE	IF	CITATIONS
19	ACYL-ACYL CARRIER PROTEIN DESATURASE2 and 3 Are Responsible for Making Omega-7 Fatty Acids in the Arabidopsis Aleurone. <i>Plant Physiology</i> , 2016, 172, 154-162.	4.8	36
20	Exploring and exploiting epigenetic variation in crops This article is one of a selection of papers from the conference "Exploiting Genome-wide Association in Oilseed Brassicas: a model for genetic improvement of major OECD crops for sustainable farming". <i>Genome</i> , 2010, 53, 856-868.	2.0	35
21	Seed colour loci, homoeology and linkage groups of the C genome chromosomes revealed in Brassica rapa-B. oleracea monosomic alien addition lines. <i>Annals of Botany</i> , 2012, 109, 1227-1242.	2.9	29
22	Assigning Brassica microsatellite markers to the nine C-genome chromosomes using Brassica rapa var. trilobularis and B. oleracea var. alboglabra monosomic alien addition lines. <i>Theoretical and Applied Genetics</i> , 2012, 125, 455-466.	3.6	20
23	Genetic control mechanisms regulating the initiation of germination. <i>Journal of Plant Physiology</i> , 2001, 158, 439-445.	3.5	17
24	Universal endogenous gene controls for bisulphite conversion in analysis of plant DNA methylation. <i>Plant Methods</i> , 2011, 7, 39.	4.3	15
25	Cyclin-dependent kinase activity enhances phosphatidylcholine biosynthesis in Arabidopsis by repressing phosphatidic acid phosphohydrolase activity. <i>Plant Journal</i> , 2017, 89, 3-14.	5.7	11
26	Differential defence response due to jasmonate seed treatment in cowpea and tomato against root-knot and potato cyst nematodes. <i>Nematology</i> , 2013, 15, 15-21.	0.6	9
27	Big data from small tissues: extraction of high-quality RNA for RNA-sequencing from different oilseed Brassica seed tissues during seed development. <i>Plant Methods</i> , 2020, 16, 80.	4.3	7
28	Uncovering Trait Associations Resulting in Maximal Seed Yield in Winter and Spring Oilseed Rape. <i>Frontiers in Plant Science</i> , 2021, 12, 697576.	3.6	7
29	Natural variation in acyl editing is a determinant of seed storage oil composition. <i>Scientific Reports</i> , 2018, 8, 17346.	3.3	5
30	Fluorescent Protein Fusions for Protein Localization in Plants. , 2007, 390, 239-256.		4
31	Regulation of endomembrane biogenesis in arabidopsis by phosphatidic acid hydrolase. <i>Plant Signaling and Behavior</i> , 2015, 10, e1065367.	2.4	3
32	Fluorescent Protein Fusions for Protein Localization in Plants. , 2007, , 239-255.		1
33	Cell Lineage Analyses in Living Tissues. <i>Methods in Molecular Biology</i> , 2013, 959, 197-205.	0.9	0
34	Fluorescent Protein Fusions for Protein Localization in Plants. , 0, , 239-256.		0