

Karen A Schlauch

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

4,634
citations

30
h-index

64
g-index

64
ext. papers

5,387
ext. citations

6
avg, IF

4.95
L-index

#	Paper	IF	Citations
59	Cytosolic ascorbate peroxidase 1 is a central component of the reactive oxygen gene network of Arabidopsis. <i>Plant Cell</i> , 2005 , 17, 268-81	11.6	724
58	The plant NADPH oxidase RBOHD mediates rapid systemic signaling in response to diverse stimuli. <i>Science Signaling</i> , 2009 , 2, ra45	8.8	682
57	The zinc-finger protein Zat12 plays a central role in reactive oxygen and abiotic stress signaling in Arabidopsis. <i>Plant Physiology</i> , 2005 , 139, 847-56	6.6	495
56	Water and salinity stress in grapevines: early and late changes in transcript and metabolite profiles. <i>Functional and Integrative Genomics</i> , 2007 , 7, 111-34	3.8	407
55	Temporal-spatial interaction between reactive oxygen species and abscisic acid regulates rapid systemic acclimation in plants. <i>Plant Cell</i> , 2013 , 25, 3553-69	11.6	228
54	A genomic and proteomic study of the spectrum of nonalcoholic fatty liver disease. <i>Hepatology</i> , 2005 , 42, 665-74	11.2	172
53	Proteomic analysis reveals differences between <i>Vitis vinifera</i> L. cv. Chardonnay and cv. Cabernet Sauvignon and their responses to water deficit and salinity. <i>Journal of Experimental Botany</i> , 2007 , 58, 1873-92	7	161
52	A roadmap for research on crassulacean acid metabolism (CAM) to enhance sustainable food and bioenergy production in a hotter, drier world. <i>New Phytologist</i> , 2015 , 207, 491-504	9.8	134
51	Engineering crassulacean acid metabolism to improve water-use efficiency. <i>Trends in Plant Science</i> , 2014 , 19, 327-38	13.1	134
50	MicroRNA expression in human airway smooth muscle cells: role of miR-25 in regulation of airway smooth muscle phenotype. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 42, 506-13	5.7	121
49	Identification of the MBF1 heat-response regulon of Arabidopsis thaliana. <i>Plant Journal</i> , 2011 , 66, 844-56	6.9	114
48	Transcript abundance profiles reveal larger and more complex responses of grapevine to chilling compared to osmotic and salinity stress. <i>Functional and Integrative Genomics</i> , 2007 , 7, 317-33	3.8	103
47	Gene expression of leptin, resistin, and adiponectin in the white adipose tissue of obese patients with non-alcoholic fatty liver disease and insulin resistance. <i>Obesity Surgery</i> , 2006 , 16, 1118-25	3.7	92
46	Large-scale mRNA expression profiling in the common ice plant, <i>Mesembryanthemum crystallinum</i> , performing C3 photosynthesis and Crassulacean acid metabolism (CAM). <i>Journal of Experimental Botany</i> , 2008 , 59, 1875-94	7	84
45	Hepatic gene expression in patients with obesity-related non-alcoholic steatohepatitis. <i>Liver International</i> , 2005 , 25, 760-71	7.9	80
44	The <i>Vitis vinifera</i> C-repeat binding protein 4 (VvCBF4) transcriptional factor enhances freezing tolerance in wine grape. <i>Plant Biotechnology Journal</i> , 2012 , 10, 105-24	11.6	69
43	Transcriptomic analysis of the late stages of grapevine (<i>Vitis vinifera</i> cv. Cabernet Sauvignon) berry ripening reveals significant induction of ethylene signaling and flavor pathways in the skin. <i>BMC Plant Biology</i> , 2014 , 14, 370	5.3	68

42	Obesity-related differential gene expression in the visceral adipose tissue. <i>Obesity Surgery</i> , 2005 , 15, 758-65	3.7	60
41	Transcriptomic network analyses of leaf dehydration responses identify highly connected ABA and ethylene signaling hubs in three grapevine species differing in drought tolerance. <i>BMC Plant Biology</i> , 2016 , 16, 118	5.3	48
40	Population genetic screening efficiently identifies carriers of autosomal dominant diseases. <i>Nature Medicine</i> , 2020 , 26, 1235-1239	50.5	47
39	Gene expression of the liver in response to chronic hypoxia. <i>Physiological Genomics</i> , 2010 , 41, 275-88	3.6	44
38	Differential floral development and gene expression in grapevines during long and short photoperiods suggests a role for floral genes in dormancy transitioning. <i>Plant Molecular Biology</i> , 2010 , 73, 191-205	4.6	44
37	Gene expression patterns in hepatic tissue and visceral adipose tissue of patients with non-alcoholic fatty liver disease. <i>Obesity Surgery</i> , 2007 , 17, 1111-8	3.7	43
36	Frax prediction without BMD for assessment of osteoporotic fracture risk. <i>Endocrine Practice</i> , 2013 , 19, 780-4	3.2	40
35	Genome-wide association analysis identifies genetic variations in subjects with myalgic encephalomyelitis/chronic fatigue syndrome. <i>Translational Psychiatry</i> , 2016 , 6, e730	8.6	37
34	Short day transcriptomic programming during induction of dormancy in grapevine. <i>Frontiers in Plant Science</i> , 2015 , 6, 834	6.2	35
33	Abscisic acid transcriptomic signaling varies with grapevine organ. <i>BMC Plant Biology</i> , 2016 , 16, 72	5.3	33
32	The CHADS score role in managing anticoagulation after surgical ablation for atrial fibrillation. <i>Annals of Thoracic Surgery</i> , 2010 , 90, 1257-62	2.7	32
31	Five omic technologies are concordant in differentiating the biochemical characteristics of the berries of five grapevine (<i>Vitis vinifera</i> L.) cultivars. <i>BMC Genomics</i> , 2015 , 16, 946	4.5	30
30	Distinct organization of the candidate tumor suppressor gene RFP2 in human and mouse: multiple mRNA isoforms in both species- and human-specific antisense transcript RFP2OS. <i>Gene</i> , 2003 , 321, 103-12	3.8	30
29	The common transcriptional subnetworks of the grape berry skin in the late stages of ripening. <i>BMC Plant Biology</i> , 2017 , 17, 94	5.3	28
28	A comparison of heat-stress transcriptome changes between wild-type Arabidopsis pollen and a heat-sensitive mutant harboring a knockout of cyclic nucleotide-gated cation channel 16 (cngc16). <i>BMC Genomics</i> , 2018 , 19, 549	4.5	22
27	Obesity-mediated regulation of cardiac protein acetylation: parallel analysis of total and acetylated proteins via TMT-tagged mass spectrometry. <i>Bioscience Reports</i> , 2018 , 38,	4.1	17
26	Cardiac mitochondrial metabolism may contribute to differences in thermal tolerance of red- and white-blooded Antarctic notothenioid fishes. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	17
25	A Comprehensive Genome-Wide and Phenome-Wide Examination of BMI and Obesity in a Northern Nevadan Cohort. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 645-664	3.2	15

24	Health-related quality of life after coronary artery bypass grafting surgery and the role of gender. <i>Cardiovascular Revascularization Medicine</i> , 2012 , 13, 321-7	1.6	15
23	Humoral Immunity Profiling of Subjects with Myalgic Encephalomyelitis Using a Random Peptide Microarray Differentiates Cases from Controls with High Specificity and Sensitivity. <i>Molecular Neurobiology</i> , 2018 , 55, 633-641	6.2	13
22	Adding confidence to gene expression clustering. <i>Genetics</i> , 2005 , 170, 2003-11	4	12
21	Drought tolerance of the grapevine, <i>Vitis champinii</i> cv. Ramsey, is associated with higher photosynthesis and greater transcriptomic responsiveness of abscisic acid biosynthesis and signaling. <i>BMC Plant Biology</i> , 2020 , 20, 55	5.3	11
20	Microarray technology in the study of obesity and non-alcoholic fatty liver disease. <i>Liver International</i> , 2005 , 25, 1091-6	7.9	11
19	EphB2 isolates a human marrow stromal cell subpopulation with enhanced ability to contribute to the resident intestinal cellular pool. <i>FASEB Journal</i> , 2013 , 27, 2111-21	0.9	9
18	Single-nucleotide polymorphisms in a cohort of significantly obese women without cardiometabolic diseases. <i>International Journal of Obesity</i> , 2019 , 43, 253-262	5.5	8
17	Open-access database of candidate associations from a genome-wide SNP scan of the Framingham Heart Study. <i>Nature Genetics</i> , 2007 , 39, 135-6	36.3	8
16	GeneX Va: VBC open source microarray database and analysis software. <i>BioTechniques</i> , 2004 , 36, 634-8, 640, 642	2.5	8
15	MULTBLAST: A web application for multiple BLAST searches. <i>Bioinformatics</i> , 2010 , 5, 224-6	1.1	8
14	GWAS and PheWAS of red blood cell components in a Northern Nevadan cohort. <i>PLoS ONE</i> , 2019 , 14, e0218078	3.7	6
13	Transcriptional Analysis of Blood Lymphocytes and Skin Fibroblasts, Keratinocytes, and Endothelial Cells as a Potential Biomarker for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 54, 1373-1383	4.3	6
12	Mechanical strain induced phospho-proteomic signaling in uterine smooth muscle cells. <i>Journal of Biomechanics</i> , 2018 , 73, 99-107	2.9	5
11	Biomass Production, Nutritional and Mineral Content of Desiccation-Sensitive and Desiccation-Tolerant Species of <i>Sporobolus</i> under Multiple Irrigation Regimes. <i>Journal of Agronomy and Crop Science</i> , 2013 , 199, 309-320	3.9	4
10	An Algorithm for the Quillen-Buslin Theorem for Quotients of Polynomial Rings by Monomial Ideals. <i>Journal of Symbolic Computation</i> , 2000 , 30, 555-571	0.8	4
9	Proteomic network analysis of human uterine smooth muscle in pregnancy, labor, and preterm labor. <i>Integrative Molecular Medicine</i> , 2015 , 2, 261-269	1.2	4
8	RNA-Seq used to identify ipsdienone reductase (IDONER): A novel monoterpene carbon-carbon double bond reductase central to <i>Ips confusus</i> pheromone production. <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 129, 103513	4.5	4
7	Characterization of novel pollen-expressed transcripts reveals their potential roles in pollen heat stress response in <i>Arabidopsis thaliana</i> . <i>Plant Reproduction</i> , 2021 , 34, 61-78	3.9	4

6	Genome-Wide Identification of Rare and Common Variants Driving Triglyceride Levels in a Nevada Population. <i>Frontiers in Genetics</i> , 2021 , 12, 639418	4.5	2
5	Outcomes of Less Intensive Glycemic Target for a Subcutaneous Insulin Protocol in Hospitalized Patients. <i>American Journal of the Medical Sciences</i> , 2015 , 350, 442-6	2.2	1
4	Mixing patterns in a global influenza a virus network using whole genome comparisons 2010 ,		1
3	The Impact of ACEs on BMI: An Investigation of the Genotype-Environment Effects of BMI.. <i>Frontiers in Genetics</i> , 2022 , 13, 816660	4.5	0
2	LC/MS/MS data analysis of the human uterine smooth muscle S-nitrosoproteome fingerprint in pregnancy, labor, and preterm labor. <i>Data in Brief</i> , 2015 , 4, 591-4	1.2	
1	Obesity-Mediated Regulation of the Cardiac Acetylome. <i>FASEB Journal</i> , 2017 , 31, 602.14	0.9	