

Karen A Schlauch

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

5,961
citations

147801

31
h-index

144013

57
g-index

64
all docs

64
docs citations

64
times ranked

8379
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Impact of ACEs on BMI: An Investigation of the Genotype-Environment Effects of BMI. <i>Frontiers in Genetics</i> , 2022, 13, 816660. | 2.3 | 9 |
| 2 | The road not taken: Evolution of tetrodotoxin resistance in the Sierra garter snake (<i>Thamnophis</i>). <i>Evolution</i> , 2021, 75, 1075-1085. | 3.9 | 7 |
| 3 | 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. | 2.7 | 5 |
| 4 | Genome-Wide Identification of Rare and Common Variants Driving Triglyceride Levels in a Nevada Population. <i>Frontiers in Genetics</i> , 2021, 12, 639418. | 2.3 | 7 |
| 5 | 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. | 2.2 | 11 |
| 6 | Population genetic screening efficiently identifies carriers of autosomal dominant diseases. <i>Nature Medicine</i> , 2020, 26, 1235-1239. | 30.7 | 121 |
| 7 | Phenome-wide association study of the FIB-4 index in a large, population-based study in the United States. <i>Journal of Hepatology</i> , 2020, 73, S418. | 3.7 | 0 |
| 8 | 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. | 1.8 | 25 |
| 9 | 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. | 3.6 | 25 |
| 10 | Single-nucleotide polymorphisms in a cohort of significantly obese women without cardiometabolic diseases. <i>International Journal of Obesity</i> , 2019, 43, 253-262. | 3.4 | 12 |
| 11 | GWAS and PheWAS of red blood cell components in a Northern Nevadan cohort. <i>PLoS ONE</i> , 2019, 14, e0218078. | 2.5 | 13 |
| 12 | Mechanical strain induced phospho-proteomic signaling in uterine smooth muscle cells. <i>Journal of Biomechanics</i> , 2018, 73, 99-107. | 2.1 | 5 |
| 13 | 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. | 4.0 | 19 |
| 14 | 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, . | 1.7 | 31 |
| 15 | 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, . | 2.4 | 26 |
| 16 | A comparison of heat-stress transcriptome changes between wild-type <i>Arabidopsis</i> pollen and a heat-sensitive mutant harboring a knockout of cyclic nucleotide-gated cation channel 16 (<i>cnngc16</i>). <i>BMC Genomics</i> , 2018, 19, 549. | 2.8 | 37 |
| 17 | The common transcriptional subnetworks of the grape berry skin in the late stages of ripening. <i>BMC Plant Biology</i> , 2017, 17, 94. | 3.6 | 42 |
| 18 | Obesity-mediated Regulation of the Cardiac Acetylome. <i>FASEB Journal</i> , 2017, 31, 602.14. | 0.5 | 0 |

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|----|---|-----|-----------|
| 19 | 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. | 2.6 | 14 |
| 20 | 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. | 3.6 | 62 |
| 21 | Genome-wide association analysis identifies genetic variations in subjects with myalgic encephalomyelitis/chronic fatigue syndrome. <i>Translational Psychiatry</i> , 2016, 6, e730-e730. | 4.8 | 56 |
| 22 | Abscisic acid transcriptomic signaling varies with grapevine organ. <i>BMC Plant Biology</i> , 2016, 16, 72. | 3.6 | 45 |
| 23 | 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, 591-594. | 1.0 | 0 |
| 24 | 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. | 7.3 | 211 |
| 25 | 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. | 2.8 | 41 |
| 26 | Short day transcriptomic programming during induction of dormancy in grapevine. <i>Frontiers in Plant Science</i> , 2015, 6, 834. | 3.6 | 48 |
| 27 | Outcomes of Less Intensive Glycemic Target for a Subcutaneous Insulin Protocol in Hospitalized Patients. <i>American Journal of the Medical Sciences</i> , 2015, 350, 442-446. | 1.1 | 1 |
| 28 | Proteomic network analysis of human uterine smooth muscle in pregnancy, labor, and preterm labor. <i>Integrative Molecular Medicine</i> , 2015, 2, 261-269. | 0.3 | 5 |
| 29 | 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. | 3.6 | 105 |
| 30 | Engineering crassulacean acid metabolism to improve water-use efficiency. <i>Trends in Plant Science</i> , 2014, 19, 327-338. | 8.8 | 206 |
| 31 | Temporal-Spatial Interaction between Reactive Oxygen Species and Abscisic Acid Regulates Rapid Systemic Acclimation in Plants. <i>Plant Cell</i> , 2013, 25, 3553-3569. | 6.6 | 316 |
| 32 | 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, 2111-2121. | 0.5 | 9 |
| 33 | 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. | 3.5 | 4 |
| 34 | Frax Prediction without BMD for Assessment of Osteoporotic Fracture Risk. <i>Endocrine Practice</i> , 2013, 19, 780-784. | 2.1 | 47 |
| 35 | Health-related quality of life after coronary artery bypass grafting surgery and the role of gender. <i>Cardiovascular Revascularization Medicine</i> , 2012, 13, 321-327. | 0.8 | 18 |
| 36 | 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, 105-124. | 8.3 | 83 |

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|----|---|------|-----------|
| 37 | Identification of the MBF1 heat response regulon of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 66, 844-851. | 5.7 | 148 |
| 38 | Evaluation of 578,000 Patients From the National Inpatient Database on Changing Patient Clinical Profiles and Mortality After Coronary Artery Bypass Grafting Surgery Over a 10-Year Period. <i>Chest</i> , 2010, 138, 496A. | 0.8 | 0 |
| 39 | Gene expression of the liver in response to chronic hypoxia. <i>Physiological Genomics</i> , 2010, 41, 275-288. | 2.3 | 51 |
| 40 | 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. | 3.9 | 49 |
| 41 | The CHADS Score Role in Managing Anticoagulation After Surgical Ablation for Atrial Fibrillation. <i>Annals of Thoracic Surgery</i> , 2010, 90, 1257-1262. | 1.3 | 34 |
| 42 | MicroRNA Expression in Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 506-513. | 2.9 | 137 |
| 43 | Mixing patterns in a global influenza a virus network using whole genome comparisons. , 2010, , . | | 1 |
| 44 | MULTBLAST: A web application for multiple BLAST searches. <i>Bioinformatics</i> , 2010, 5, 224-226. | 0.5 | 8 |
| 45 | The Plant NADPH Oxidase RBOHD Mediates Rapid Systemic Signaling in Response to Diverse Stimuli. <i>Science Signaling</i> , 2009, 2, ra45. | 3.6 | 897 |
| 46 | Computational Energetic Analysis of Intrafacial Binding Energies in Interpolated Myosin States. <i>Biophysical Journal</i> , 2009, 96, 491a-492a. | 0.5 | 0 |
| 47 | 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, 1875-1894. | 4.8 | 128 |
| 48 | 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, 1873-1892. | 4.8 | 181 |
| 49 | Open-access database of candidate associations from a genome-wide SNP scan of the Framingham Heart Study. <i>Nature Genetics</i> , 2007, 39, 135-136. | 21.4 | 8 |
| 50 | Water and salinity stress in grapevines: early and late changes in transcript and metabolite profiles. <i>Functional and Integrative Genomics</i> , 2007, 7, 111-134. | 3.5 | 474 |
| 51 | 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, 317-333. | 3.5 | 120 |
| 52 | Gene Expression Patterns in Hepatic Tissue and Visceral Adipose Tissue of Patients with Non-Alcoholic Fatty Liver Disease. <i>Obesity Surgery</i> , 2007, 17, 1111-1118. | 2.1 | 50 |
| 53 | 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, 1118-1125. | 2.1 | 98 |
| 54 | Adding Confidence to Gene Expression Clustering. <i>Genetics</i> , 2005, 170, 2003-2011. | 2.9 | 14 |

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|----|---|-----|-----------|
| 55 | Obesity-related Differential Gene Expression in the Visceral Adipose Tissue. <i>Obesity Surgery</i> , 2005, 15, 758-765. | 2.1 | 67 |
| 56 | Hepatic gene expression in patients with obesity-related non-alcoholic steatohepatitis. <i>Liver International</i> , 2005, 25, 760-771. | 3.9 | 100 |
| 57 | Microarray technology in the study of obesity and non-alcoholic fatty liver disease. <i>Liver International</i> , 2005, 25, 1091-1096. | 3.9 | 15 |
| 58 | A genomic and proteomic study of the spectrum of nonalcoholic fatty liver disease. <i>Hepatology</i> , 2005, 42, 665-674. | 7.3 | 209 |
| 59 | The Zinc-Finger Protein Zat12 Plays a Central Role in Reactive Oxygen and Abiotic Stress Signaling in Arabidopsis Å. <i>Plant Physiology</i> , 2005, 139, 847-856. | 4.8 | 601 |
| 60 | Cytosolic Ascorbate Peroxidase 1 Is a Central Component of the Reactive Oxygen Gene Network of Arabidopsis. <i>Plant Cell</i> , 2005, 17, 268-281. | 6.6 | 858 |
| 61 | GeneX Va: VBC open source microarray database and analysis software. <i>BioTechniques</i> , 2004, 36, 634-642. | 1.8 | 8 |
| 62 | 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, 103-112. | 2.2 | 35 |
| 63 | An Algorithm for the Quillenâ€™Suslin Theorem for Quotients of Polynomial Rings by Monomial Ideals. <i>Journal of Symbolic Computation</i> , 2000, 30, 555-571. | 0.8 | 4 |