

Schuyler S Korban

List of Publications by Year in descending order

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94
papers

6,200
citations

81839

39
h-index

71651

76
g-index

95
all docs

95
docs citations

95
times ranked

5939
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of woodland strawberry (<i>Fragaria vesca</i>). <i>Nature Genetics</i> , 2011, 43, 109-116.	9.4	1,091
2	The genome of the pear (<i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , 2013, 23, 396-408.	2.4	832
3	Multiple Models for Rosaceae Genomics. <i>Plant Physiology</i> , 2008, 147, 985-1003.	2.3	291
4	An apple MYB transcription factor, MdMYB3, is involved in regulation of anthocyanin biosynthesis and flower development. <i>BMC Plant Biology</i> , 2013, 13, 176.	1.6	177
5	Development of a set of SNP markers present in expressed genes of the apple. <i>Genomics</i> , 2008, 92, 353-358.	1.3	140
6	Oral immunization of mice with transgenic tomato fruit expressing respiratory syncytial virus-F protein induces a systemic immune response. <i>Transgenic Research</i> , 2000, 9, 127-135.	1.3	137
7	Association mapping in forest trees and fruit crops. <i>Journal of Experimental Botany</i> , 2012, 63, 4045-4060.	2.4	134
8	Introduction of apple ANR genes into tobacco inhibits expression of both CHI and DFR genes in flowers, leading to loss of anthocyanin. <i>Journal of Experimental Botany</i> , 2012, 63, 2437-2447.	2.4	126
9	Ectopic Expression of Apple <i>F3H</i> Genes Contributes to Anthocyanin Accumulation in the <i>Arabidopsis</i> Mutant Grown Under Nitrogen Stress. <i>Plant Physiology</i> , 2010, 153, 806-820.	2.3	115
10	Construction of a high density linkage map and its application in the identification of QTLs for soluble sugar and organic acid components in apple. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	0.6	95
11	Molecular Mechanisms of Pathogenesis and Resistance to the Bacterial Pathogen <i>Erwinia amylovora</i> , Causal Agent of Fire Blight Disease in Rosaceae. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 247-260.	1.0	86
12	Systems level analysis of two-component signal transduction systems in <i>Erwinia amylovora</i> : Role in virulence, regulation of amylovoran biosynthesis and swarming motility. <i>BMC Genomics</i> , 2009, 10, 245.	1.2	85
13	Integration of physical and genetic maps in apple confirms whole-genome and segmental duplications in the apple genome. <i>Journal of Experimental Botany</i> , 2011, 62, 5117-5130.	2.4	78
14	Evaluation of Genetic Diversity in Chinese Wild Apple Species Along with Apple Cultivars Using SSR Markers. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 539-546.	1.0	75
15	Characteristics and transferability of new apple EST-derived SSRs to other Rosaceae species. <i>Molecular Breeding</i> , 2009, 23, 397-411.	1.0	73
16	A Cluster of Four Receptor-Like Genes Resides in the <i>Vf</i> Locus That Confers Resistance to Apple Scab Disease. <i>Genetics</i> , 2002, 162, 1995-2006.	1.2	73
17	The Rcs phosphorelay system is essential for pathogenicity in <i>Erwinia amylovora</i> . <i>Molecular Plant Pathology</i> , 2009, 10, 277-290.	2.0	72
18	Fruit Quality Traits Have Played Critical Roles in Domestication of the Apple. <i>Plant Genome</i> , 2014, 7, plantgenome2014.04.0018.	1.6	67

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19	Expression of an <i>Escherichia coli</i> antigenic fusion protein comprising the heat labile toxin B subunit and the heat stable toxin, and its assembly as a functional oligomer in transplastomic tobacco plants. <i>Plant Journal</i> , 2009, 57, 45-54.	2.8	62
20	Identification, characterization, and utilization of genome-wide simple sequence repeats to identify a QTL for acidity in apple. <i>BMC Genomics</i> , 2012, 13, 537.	1.2	61
21	A Multi-Population Consensus Genetic Map Reveals Inconsistent Marker Order among Maps Likely Attributed to Structural Variations in the Apple Genome. <i>PLoS ONE</i> , 2012, 7, e47864.	1.1	59
22	Two critical factors are required for efficient transformation of multiple soybean cultivars: <i>Agrobacterium</i> strain and orientation of immature cotyledonary explant. <i>Theoretical and Applied Genetics</i> , 2003, 107, 439-447.	1.8	58
23	Molecular characterization of genes encoding leucoanthocyanidin reductase involved in proanthocyanidin biosynthesis in apple. <i>Frontiers in Plant Science</i> , 2015, 6, 243.	1.7	58
24	Genes Encoding Aluminum-Activated Malate Transporter II and their Association with Fruit Acidity in Apple. <i>Plant Genome</i> , 2015, 8, eplantgenome2015.03.0016.	1.6	55
25	Genome-Wide Identification of Genes Regulated by the Rcs Phosphorelay System in <i>Erwinia amylovora</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 6-17.	1.4	52
26	A BAC-based physical map of the apple genome. <i>Genomics</i> , 2007, 89, 630-637.	1.3	51
27	Genetic Diversity and Characterization of a Core Collection of <i>Malus</i> Germplasm Using Simple Sequence Repeats (SSRs). <i>Plant Molecular Biology Reporter</i> , 2012, 30, 827-837.	1.0	51
28	Small molecule inhibitors suppress the expression of both type III secretion and amylovoran biosynthesis genes in <i>Erwinia amylovora</i> . <i>Molecular Plant Pathology</i> , 2014, 15, 44-57.	2.0	51
29	Transcriptome analysis of the exocarp of apple fruit identifies light-induced genes involved in red color pigmentation. <i>Gene</i> , 2014, 534, 78-87.	1.0	48
30	Variation of ascorbic acid concentration in fruits of cultivated and wild apples. <i>Food Chemistry</i> , 2017, 225, 132-137.	4.2	48
31	Construction of a High-Density Simple Sequence Repeat Consensus Genetic Map for Pear (<i>Pyrus</i> spp.). <i>Plant Molecular Biology Reporter</i> , 2015, 33, 316-325.	1.0	47
32	Unraveling a genetic roadmap for improved taste in the domesticated apple. <i>Molecular Plant</i> , 2021, 14, 1454-1471.	3.9	47
33	An overview of the apple genome through BAC end sequence analysis. <i>Plant Molecular Biology</i> , 2008, 67, 581-588.	2.0	45
34	Expression profiles of differentially regulated genes during the early stages of apple flower infection with <i>Erwinia amylovora</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 4851-4861.	2.4	45
35	Genetic diversity and population structure of <i>Moringa oleifera</i> . <i>Conservation Genetics</i> , 2013, 14, 1161-1172.	0.8	45
36	A bacterial artificial chromosome (BAC) library of <i>Malus floribunda</i> 821 and contig construction for positional cloning of the apple scab resistance gene <i>Vf</i> . <i>Genome</i> , 2001, 44, 1104-1113.	0.9	43

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37	Molecular Signature of Differential Virulence in Natural Isolates of <i>Erwinia amylovora</i> . <i>Phytopathology</i> , 2010, 100, 192-198.	1.1	43
38	Transcriptome analysis of resistant and susceptible genotypes of <i>Glycine tomentella</i> during <i>Phakopsora pachyrhizi</i> infection reveals novel rust resistance genes. <i>Theoretical and Applied Genetics</i> , 2010, 120, 1315-1333.	1.8	42
39	Identification of genetic loci associated with fire blight resistance in <i>Malus</i> through combined use of QTL and association mapping. <i>Physiologia Plantarum</i> , 2013, 148, 344-353.	2.6	42
40	Spontaneous and Induced Animal Models for Cancer Research. <i>Diagnostics</i> , 2020, 10, 660.	1.3	42
41	Variation in nuclear DNA content in <i>Malus</i> species and cultivated apples. <i>Genome</i> , 2005, 48, 924-930.	0.9	41
42	Gene Expression is Highly Regulated in Early Developing Fruit of Apple. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 885-897.	1.0	40
43	Development and linkage mapping of E-STS and RGA markers for functional gene homologues in apple. <i>Genome</i> , 2006, 49, 959-968.	0.9	36
44	A chloroplast-derived C4V3 polypeptide from the human immunodeficiency virus (HIV) is orally immunogenic in mice. <i>Plant Molecular Biology</i> , 2012, 78, 337-349.	2.0	35
45	Links between Infections, Lung Cancer, and the Immune System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9394.	1.8	35
46	Effect of an enhanced CaMV 35S promoter and a fruit-specific promoter on <i>uida</i> gene expression in transgenic tomato plants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 427-433.	0.9	33
47	Expression of a multi-epitope DPT fusion protein in transplastomic tobacco plants retains both antigenicity and immunogenicity of all three components of the functional oligomer. <i>Planta</i> , 2009, 229, 1293-1302.	1.6	31
48	BAC-end sequence-based SNPs and Bin mapping for rapid integration of physical and genetic maps in apple. <i>Genomics</i> , 2009, 93, 282-288.	1.3	31
49	Reduced representation genome sequencing reveals patterns of genetic diversity and selection in apple. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 190-204.	4.1	30
50	Expression of an immunogenic F1-V fusion protein in lettuce as a plant-based vaccine against plague. <i>Planta</i> , 2010, 232, 409-416.	1.6	29
51	A high-throughput apple SNP genotyping platform using the GoldenGate assay. <i>Gene</i> , 2012, 494, 196-201.	1.0	29
52	Comparative Analysis and Functional Annotation of a Large Expressed Sequence Tag Collection of Apple. <i>Plant Genome</i> , 2009, 2, .	1.6	28
53	Breeding and genetics of disease resistance in temperate fruit trees: challenges and new opportunities. <i>Theoretical and Applied Genetics</i> , 2022, 135, 3961-3985.	1.8	28
54	Divergent Evolutionary Pattern of Sugar Transporter Genes is Associated with the Difference in Sugar Accumulation between Grasses and Eudicots. <i>Scientific Reports</i> , 2016, 6, 29153.	1.6	27

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55	Identification of Quantitative Trait Loci (QTLs) for Fruit Quality Traits in Apple. <i>Plant Molecular Biology Reporter</i> , 2014, 32, 109-116.	1.0	26
56	Foods as Production and Delivery Vehicles for Human Vaccines. <i>Journal of the American College of Nutrition</i> , 2002, 21, 212S-217S.	1.1	25
57	Genome size and nucleotypic variation in <i>Malus</i> germplasm. <i>Genome</i> , 2009, 52, 148-155.	0.9	24
58	Immunogenicity of nuclear-encoded LTB:ST fusion protein from <i>Escherichia coli</i> expressed in tobacco plants. <i>Plant Cell Reports</i> , 2011, 30, 1145-1152.	2.8	24
59	A Plant-Derived Multi-HIV Antigen Induces Broad Immune Responses in Orally Immunized Mice. <i>Molecular Biotechnology</i> , 2015, 57, 662-674.	1.3	24
60	Immunogenic properties of a lettuce-derived C4(V3)6 multiepitopic HIV protein. <i>Planta</i> , 2013, 238, 785-792.	1.6	23
61	Genome-wide analysis and characterization of molecular evolution of the HCT gene family in pear (<i>Pyrus bretschneideri</i>). <i>Plant Systematics and Evolution</i> , 2017, 303, 71-90.	0.3	23
62	Transgenic carrot tap roots expressing an immunogenic F1 α V fusion protein from <i>Yersinia pestis</i> are immunogenic in mice. <i>Journal of Plant Physiology</i> , 2011, 168, 174-180.	1.6	21
63	AmyR Is a Novel Negative Regulator of Amylovoran Production in <i>Erwinia amylovora</i> . <i>PLoS ONE</i> , 2012, 7, e45038.	1.1	21
64	Screening Multiple Soybean Cultivars (MG 00 to MG VIII) for Somatic Embryogenesis Following <i>Agrobacterium</i> -Mediated Transformation of Immature Cotyledons. <i>Crop Science</i> , 2004, 44, 1825-1831.	0.8	19
65	Expression of the nucleocapsid protein of Porcine Reproductive and Respiratory Syndrome Virus in soybean seed yields an immunogenic antigenic protein. <i>Planta</i> , 2012, 235, 513-522.	1.6	19
66	'Gold Rush' Apple. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1994, 29, 827-828.	0.5	19
67	The Connection between MicroRNAs and Oral Cancer Pathogenesis: Emerging Biomarkers in Oral Cancer Management. <i>Genes</i> , 2021, 12, 1989.	1.0	19
68	Oral immunization with a lettuce-derived <i>Escherichia coli</i> heat-labile toxin B subunit induces neutralizing antibodies in mice. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 441-449.	1.2	18
69	Transgenic apple expressing an antigenic protein of the human respiratory syncytial virus. <i>Journal of Plant Physiology</i> , 2010, 167, 920-927.	1.6	17
70	New perspectives in triple-negative breast cancer therapy based on treatments with TGF β 21 siRNA and doxorubicin. <i>Molecular and Cellular Biochemistry</i> , 2020, 475, 285-299.	1.4	15
71	The Role of miR-155 in Nutrition: Modulating Cancer-Associated Inflammation. <i>Nutrients</i> , 2021, 13, 2245.	1.7	15
72	CONSTRUCTING A BACTERIAL ARTIFICIAL CHROMOSOME LIBRARY OF THE APPLE CULTIVAR GOLDRUSH. <i>Acta Horticulturae</i> , 2002, , 103-112.	0.1	15

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73	Cancer-Associated Stemness and Epithelial-to-Mesenchymal Transition Signatures Related to Breast Invasive Carcinoma Prognostic. <i>Cancers</i> , 2020, 12, 3053.	1.7	14
74	Sequence and In Silico Characterization of the Tomato Polygalacturonase (PG) Promoter and Terminator Regions. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 250-256.	1.0	13
75	Apple Structural Genomics. , 2009, , 85-119.		13
76	Identifying differentially expressed genes in leaves of <i>Glycine tomentella</i> in the presence of the fungal pathogen <i>Phakopsora pachyrhizi</i> . <i>Planta</i> , 2010, 232, 1181-1189.	1.6	13
77	Strategies for Map-Based Cloning in Apple. <i>Critical Reviews in Plant Sciences</i> , 2010, 29, 265-284.	2.7	13
78	Tiny Actors in the Big Cellular World: Extracellular Vesicles Playing Critical Roles in Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7688.	1.8	12
79	Challenges and Opportunities for the Biotechnology Research Community during the Coronavirus Pandemic. <i>Trends in Biotechnology</i> , 2020, 38, 823-824.	4.9	12
80	Pear genetics: Recent advances, new prospects, and a roadmap for the future. <i>Horticulture Research</i> , 2022, 9, .	2.9	12
81	The Corn Smut (â€“Huitlacocheâ€™) as a New Platform for Oral Vaccines. <i>PLoS ONE</i> , 2015, 10, e0133535.	1.1	10
82	Development of high-density interspecific genetic maps for the identification of QTLs conferring resistance to <i>Valsa ceratosperma</i> in apple. <i>Euphytica</i> , 2017, 213, 1.	0.6	10
83	Genome-wide expression of low temperature response genes in <i>Rosa hybrida</i> L.. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 238-248.	2.8	7
84	Analysis and stability of the Respiratory Syncytial Virus antigen in a T3 generation of transgenic tomato plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 96, 335-342.	1.2	6
85	Focus on organoids: cooperation and interconnection with extracellular vesicles â€“ Is this the future of in vitro modeling?. <i>Seminars in Cancer Biology</i> , 2022, 86, 367-381.	4.3	5
86	Mutagenic responses to ethyl methanesulfonate and phenotypic characterization of an M1 generation of snapdragon, <i>Antirrhinum majus</i> . <i>Euphytica</i> , 2022, 218, .	0.6	5
87	Genetic and Physical Mapping of the Apple Genome. <i>Compendium of Plant Genomes</i> , 2021, , 131-168.	0.3	4
88	Evaluation of ethylene mutant snapdragon lines for rooting, gravitropism, 1-MCP, ethylene, and vase-life responses. <i>Scientia Horticulturae</i> , 2022, 304, 111274.	1.7	4
89	Apple SSRs present in coding and noncoding regions of expressed sequence tags show differences in transferability to other fruit species in Rosaceae. <i>Canadian Journal of Plant Science</i> , 2013, 93, 183-190.	0.3	3
90	An AMA1/MSP119 Adjuvanted Malaria Transplastomic Plant-Based Vaccine Induces Immune Responses in Test Animals. <i>Molecular Biotechnology</i> , 2020, 62, 534-545.	1.3	2

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91	Seed-Based Expression Strategies. , 2014, , 79-93.		2
92	A message from the new editor-in-chief. Plant Cell, Tissue and Organ Culture, 2008, 95, 255-256.	1.2	0
93	Microarrays and NGS for Drug Discovery. , 0, , .		0
94	Transcriptional responses of Rosa rugosa to salt stress and salt shock. Ciencia E Agrotecnologia, 0, 44, .	1.5	0