

Sean May

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

6,868
citations

136950

32
h-index

71685

76
g-index

87
all docs

87
docs citations

87
times ranked

8503
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Expression and Anti-Proliferative Effects of Electric Field Therapy on Pediatric and Adult Brain Tumors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1982.	4.1	8
2	Suboptimal mid-luteal progesterone concentrations are associated with aberrant endometrial gene expression, potentially resulting in implantation failure. <i>Reproductive BioMedicine Online</i> , 2021, 42, 595-608.	2.4	2
3	Integrated Metabolomics and Transcriptomics Using an Optimised Dual Extraction Process to Study Human Brain Cancer Cells and Tissues. <i>Metabolites</i> , 2021, 11, 240.	2.9	2
4	Evaluating the influence of progesterone concentration and time of exposure on in vitro endometrial decidualisation. <i>Molecular and Cellular Endocrinology</i> , 2021, 528, 111242.	3.2	2
5	Transcriptome-based screening of ion channels and transporters in a migratory chondroprogenitor cell line isolated from late-stage osteoarthritic cartilage. <i>Journal of Cellular Physiology</i> , 2021, 236, 7421-7439.	4.1	6
6	Mast-Cell Tryptase Release Contributes to Disease Progression in Lymphangioleiomyomatosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 431-444.	5.6	11
7	CG7379 and ING1 suppress cancer cell invasion by maintaining cell-cell junction integrity. <i>Open Biology</i> , 2021, 11, 210077.	3.6	1
8	MicroRNA-495/TGF- β 2/FOXC1 axis regulates multidrug resistance in metaplastic breast cancer cells. <i>Biochemical Pharmacology</i> , 2021, 192, 114692.	4.4	12
9	Repurposing Antibacterial AM404 As a Potential Anticancer Drug for Targeting Colorectal Cancer Stem-Like Cells. <i>Cancers</i> , 2020, 12, 106.	3.7	15
10	A Genetic Analysis of Tumor Progression in <i>Drosophila</i> Identifies the Cohesin Complex as a Suppressor of Individual and Collective Cell Invasion. <i>IScience</i> , 2020, 23, 101237.	4.1	6
11	Current status of the multinational Arabidopsis community. <i>Plant Direct</i> , 2020, 4, e00248.	1.9	13
12	How to build an effective research network: lessons from two decades of the GARNet plant science community. <i>Journal of Experimental Botany</i> , 2020, 71, 6881-6889.	4.8	0
13	Integrated BioBank of Luxembourg - University of Luxembourg: University Biobanking Certificate. <i>Biopreservation and Biobanking</i> , 2020, 18, 7-9.	1.0	10
14	Proteasome Inhibition in <i>Brassica napus</i> Roots Increases Amino Acid Synthesis to Offset Reduced Proteolysis. <i>Plant and Cell Physiology</i> , 2020, 61, 1028-1040.	3.1	1
15	Arabidopsis bioinformatics resources: The current state, challenges, and priorities for the future. <i>Plant Direct</i> , 2019, 3, e00109.	1.9	14
16	A GBM invasive region expression profile identified through a multi-region sampling approach. <i>Neuro-Oncology</i> , 2018, 20, i16-i17.	1.2	0
17	Metallome of cerebrovascular endothelial cells infected with <i>Toxoplasma gondii</i> using μ -XRF imaging and inductively coupled plasma mass spectrometry. <i>Metallomics</i> , 2018, 10, 1401-1414.	2.4	19
18	Improved nucleic acid extraction protocols for <i>Ganoderma boninense</i> , <i>G. miniatocinctum</i> and <i>G. tornatum</i> . <i>Biotechnology Letters</i> , 2018, 40, 1541-1550.	2.2	9

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19	Transcriptional analysis of adipose tissue during development reveals depot-specific responsiveness to maternal dietary supplementation. <i>Scientific Reports</i> , 2018, 8, 9628.	3.3	20
20	<i>Brevicoryne brassicae</i> aphids interfere with transcriptome responses of <i>Arabidopsis thaliana</i> to feeding by <i>Plutella xylostella</i> caterpillars in a density-dependent manner. <i>Oecologia</i> , 2017, 183, 107-120.	2.0	14
21	A Cross-Species Gene Expression Marker-Based Genetic Map and QTL Analysis in Bambara Groundnut. <i>Genes</i> , 2017, 8, 84.	2.4	19
22	A molecular signature of dormancy in CD34+CD38- acute myeloid leukaemia cells. <i>Oncotarget</i> , 2017, 8, 111405-111418.	1.8	13
23	Gene pathway development in human epicardial adipose tissue during early life. <i>JCI Insight</i> , 2016, 1, e87460.	5.0	20
24	Identification of Gene Modules Associated with Low Temperatures Response in Bambara Groundnut by Network-Based Analysis. <i>PLoS ONE</i> , 2016, 11, e0148771.	2.5	44
25	The small molecule hyperphyllin enhances leaf formation rate and mimics shoot meristem integrity defects associated with AMP1 deficiency. <i>Plant Physiology</i> , 2016, 171, pp.01633.2015.	4.8	5
26	Brassinosteroids participate in the control of basal and acquired freezing tolerance of plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5982-E5991.	7.1	162
27	The study of progesterone action in human myometrial explants. <i>Molecular Human Reproduction</i> , 2016, 22, 877-889.	2.8	28
28	Molecular Signature of Dormancy in CD34+CD38- Acute Myeloid Leukaemia Cells. <i>Blood</i> , 2016, 128, 1660-1660.	1.4	0
29	Increased expression of serine biosynthetic pathway genes is associated with skeletal muscle hypertrophy in sheep. <i>Proceedings of the Nutrition Society</i> , 2015, 74, .	1.0	2
30	The Mediator complex subunits MED25/PFT1 and MED8 are required for transcriptional responses to changes in cell wall arabinose composition and glucose treatment in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2015, 15, 215.	3.6	21
31	Teaching Data Science and Cloud Computing in Low and Middle Income Countries. <i>Advanced Techniques in Biology & Medicine</i> , 2015, 03, .	0.1	1
32	Yeast m6A Methylated mRNAs Are Enriched on Translating Ribosomes during Meiosis, and under Rapamycin Treatment. <i>PLoS ONE</i> , 2015, 10, e0132090.	2.5	78
33	Pigeons: A Novel GUI Software for Analysing and Parsing High Density Heterologous Oligonucleotide Microarray Probe Level Data. <i>Microarrays (Basel, Switzerland)</i> , 2014, 3, 1-23.	1.4	5
34	Molecular Characterization of Adipose Tissue in the African Elephant (<i>Loxodonta africana</i>). <i>PLoS ONE</i> , 2014, 9, e91717.	2.5	3
35	Adenosine Methylation in <i>Arabidopsis</i> mRNA is Associated with the 3' End and Reduced Levels Cause Developmental Defects. <i>Frontiers in Plant Science</i> , 2012, 3, 48.	3.6	213
36	Taking the Next Step: Building an <i>Arabidopsis</i> Information Portal. <i>Plant Cell</i> , 2012, 24, 2248-2256.	6.6	38

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37	Analysis of ripening-related gene expression in papaya using an Arabidopsis-based microarray. <i>BMC Plant Biology</i> , 2012, 12, 242.	3.6	41
38	Use of the Affymetrix Human GeneChip array and genomic DNA hybridisation probe selection to study ovine transcriptomes. <i>Animal</i> , 2011, 5, 861-866.	3.3	11
39	Agronomic and molecular analysis of heterosis in alfalfa. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 288-290.	0.8	3
40	<i>Medicago truncatula</i> CYP716A12 Is a Multifunctional Oxidase Involved in the Biosynthesis of Hemolytic Saponins. <i>Plant Cell</i> , 2011, 23, 3070-3081.	6.6	190
41	Differential Yeast Gene Transcription during Brewery Propagation. <i>Journal of the American Society of Brewing Chemists</i> , 2010, 68, 21-29.	1.1	6
42	Equine transcriptome quantification using human GeneChip arrays can be improved using genomic DNA hybridisation and probe selection. <i>Veterinary Journal</i> , 2010, 186, 323-327.	1.7	5
43	A Brassica Exon Array for Whole-Transcript Gene Expression Profiling. <i>PLoS ONE</i> , 2010, 5, e12812.	2.5	27
44	Probing the Reproducibility of Leaf Growth and Molecular Phenotypes: A Comparison of Three Arabidopsis Accessions Cultivated in Ten Laboratories. <i>Plant Physiology</i> , 2010, 152, 2142-2157.	4.8	137
45	An International Bioinformatics Infrastructure to Underpin the <i>Arabidopsis</i> Community. <i>Plant Cell</i> , 2010, 22, 2530-2536.	6.6	23
46	Cytokinin Regulation of Auxin Synthesis in <i>Arabidopsis</i> Involves a Homeostatic Feedback Loop Regulated via Auxin and Cytokinin Signal Transduction. <i>Plant Cell</i> , 2010, 22, 2956-2969.	6.6	247
47	On the causes of outliers in Affymetrix GeneChip data. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 199-212.	3.8	24
48	Heterologous oligonucleotide microarrays for transcriptomics in a non-model species; a proof-of-concept study of drought stress in <i>Musa</i> . <i>BMC Genomics</i> , 2009, 10, 436.	2.8	56
49	Low-intensity microwave irradiation does not substantially alter gene expression in late larval and adult <i>Caenorhabditis elegans</i> . <i>Bioelectromagnetics</i> , 2009, 30, 602-612.	1.6	12
50	Flexible Tools for Gene Expression and Silencing in Tomato. <i>Plant Physiology</i> , 2009, 151, 1729-1740.	4.8	100
51	Evidence of neutral transcriptome evolution in plants. <i>New Phytologist</i> , 2008, 180, 587-593.	7.3	30
52	The auxin influx carrier LAX3 promotes lateral root emergence. <i>Nature Cell Biology</i> , 2008, 10, 946-954.	10.3	715
53	Functional Characterization of PaLAX1, a Putative Auxin Permease, in Heterologous Plant Systems. <i>Plant Physiology</i> , 2008, 146, 1128-1141.	4.8	29
54	Effects of Alzheimer's peptide and ± 1 -antichymotrypsin on astrocyte gene expression. <i>Neurobiology of Aging</i> , 2007, 28, 51-61.	3.1	11

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55	Optimising the analysis of transcript data using high density oligonucleotide arrays and genomic DNA-based probe selection. <i>BMC Genomics</i> , 2007, 8, 344.	2.8	11
56	MIAME/Plant - adding value to plant microarray experiments. <i>Plant Methods</i> , 2006, 2, 1.	4.3	61
57	Authentication of Coffee by Means of PCR-RFLP Analysis and Lab-on-a-Chip Capillary Electrophoresis. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 7466-7470.	5.2	72
58	A comparison of the <i>Thlaspi caerulescens</i> and <i>Thlaspi arvense</i> shoot transcriptomes. <i>New Phytologist</i> , 2006, 170, 239-260.	7.3	213
59	How to decide? Different methods of calculating gene expression from short oligonucleotide array data will give different results. <i>BMC Bioinformatics</i> , 2006, 7, 137.	2.6	124
60	AtEnsEMBL, 2005, 406, 213-227.		5
61	Integrating genetic information into plant breeding programmes: how will we produce varieties from molecular variation, using bioinformatics?. <i>Annals of Applied Biology</i> , 2005, 146, 223-237.	2.5	17
62	Benchmarking the CATMA Microarray. A Novel Tool for Arabidopsis Transcriptome Analysis. <i>Plant Physiology</i> , 2005, 137, 588-601.	4.8	91
63	Using genomic DNA-based probe-selection to improve the sensitivity of high-density oligonucleotide arrays when applied to heterologous species. <i>Plant Methods</i> , 2005, 1, 10.	4.3	73
64	Structure-Function Analysis of the Presumptive Arabidopsis Auxin Permease AUX1[W]. <i>Plant Cell</i> , 2004, 16, 3069-3083.	6.6	308
65	NASCArrays: a repository for microarray data generated by NASC's transcriptomics service. <i>Nucleic Acids Research</i> , 2004, 32, 575D-577.	14.5	346
66	P4-043 Gene expression profiles of primary human astrocytes exposed to Aβ and ACT/ABETA complexes assessed using a global DNA microarray. <i>Neurobiology of Aging</i> , 2004, 25, S485.	3.1	0
67	Changes in Gene Expression in Arabidopsis Shoots during Phosphate Starvation and the Potential for Developing Smart Plants. <i>Plant Physiology</i> , 2003, 132, 578-596.	4.8	393
68	Polar auxin transport in the wood-forming tissues of hybrid aspen is under simultaneous control of developmental and environmental signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10096-10101.	7.1	225
69	GARNet, the Genomic Arabidopsis Resource Network. <i>Trends in Plant Science</i> , 2002, 7, 145-147.	8.8	10
70	Loss of the AKT2/3 potassium channel affects sugar loading into the phloem of Arabidopsis. <i>Planta</i> , 2002, 216, 334-344.	3.2	226
71	Finding Your Knockout: Reverse Genetics Techniques for Plants. <i>Molecular Biotechnology</i> , 2002, 20, 209-222.	2.4	4
72	Expression Studies on AUX1-like Genes in <i>Medicago truncatula</i> Suggest That Auxin Is Required at Two Steps in Early Nodule Development. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 267-277.	2.6	140

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73	Quick on the Uptake: Characterization of a Family of Plant Auxin Influx Carriers. <i>Journal of Plant Growth Regulation</i> , 2001, 20, 217-225.	5.1	101
74	The UK Crop Plant Bioinformatics Network (UK CropNet). <i>Yeast</i> , 2000, 1, 335-338.	1.7	0
75	Seed and Molecular Resources for Arabidopsis. <i>Plant Physiology</i> , 2000, 124, 1477-1480.	4.8	244
76	Reverse Genetics: Screening Plant Populations for Gene Knockouts. , 2000, 141, 175-195.		0
77	UK CropNet: a collection of databases and bioinformatics resources for crop plant genomics. <i>Nucleic Acids Research</i> , 2000, 28, 104-107.	14.5	16
78	AUX1 regulates root gravitropism in Arabidopsis by facilitating auxin uptake within root apical tissues. <i>EMBO Journal</i> , 1999, 18, 2066-2073.	7.8	541
79	Cell marking in Arabidopsis thaliana and its application to patch-clamp studies. <i>Plant Journal</i> , 1998, 15, 843-851.	5.7	40
80	Going the distance with auxin: unravelling the molecular basis of auxin transport. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 1511-1515.	4.0	62
81	Arabidopsis AUX1 Gene: A Permease-Like Regulator of Root Gravitropism. <i>Science</i> , 1996, 273, 948-950.	12.6	955
82	Cellular colocalization of diuretic peptides in locusts: A potent control mechanism. <i>Peptides</i> , 1995, 16, 95-104.	2.4	60
83	The vasopressin-like immunoreactive (VPLI) neurons of the locust, <i>Locusta migratoria</i> . I. Anatomy. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1991, 168, 605-617.	1.6	37
84	Data management challenges for artificial intelligence in plant and agricultural research. <i>F1000Research</i> , 0, 10, 324.	1.6	7