

Howard D Grimes

List of Publications by Year in descending order

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46
papers

1,720
citations

304602

22
h-index

276775

41
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46
all docs

46
docs citations

46
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating a "Collaboratory"™ environment to transcend traditional research barriers: Insights from the United States. <i>Energy Research and Social Science</i> , 2016, 19, 37-38.	3.0	0
2	Cell Type-Specific Transcriptome Analysis of the Soybean Leaf Paraveinal Mesophyll Layer. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 210-221.	1.0	4
3	LICENSING AGRICULTURAL INTELLECTUAL PROPERTY: HOW SHOULD PUBLIC R&D INSTITUTIONS IN DEVELOPING COUNTRIES RESPOND?. <i>International Journal of Innovation and Technology Management</i> , 2012, 09, 1250028.	0.8	5
4	Assessing the Biosynthetic Capabilities of Secretory Glands in <i>Citrus</i> Peel. <i>Plant Physiology</i> , 2012, 159, 81-94.	2.3	82
5	Managing intellectual property and technology commercialization: Comparison and analysis of practices, success stories and lessons learned from public research universities in developing Asia. <i>Innovation: Management, Policy and Practice</i> , 2012, 14, 478-494.	2.6	13
6	Status of national intellectual property rights (IPRs) systems and its impact to agricultural development: a time series cross section data analysis of TRIPS member-countries. <i>International Journal of Intellectual Property Management</i> , 2012, 5, 82.	0.2	2
7	The impact of socio-demographic factors as potential predictors of the attitudes of public sector personnel on intellectual property rights and their implications. <i>International Journal of Intellectual Property Management</i> , 2012, 5, 199.	0.2	0
8	Experimental sink removal induces stress responses, including shifts in amino acid and phenylpropanoid metabolism, in soybean leaves. <i>Planta</i> , 2012, 235, 939-954.	1.6	12
9	Soybean vegetative lipoxygenases are not vacuolar storage proteins. <i>Functional Plant Biology</i> , 2011, 38, 778.	1.1	5
10	How agricultural biotechnology scientists perceive intellectual property rights (IPRs) and their implications: insights from developing Asia. <i>International Journal of Intellectual Property Management</i> , 2011, 4, 220.	0.2	1
11	Biochemical Characterization, Kinetic Analysis and Molecular Modeling of Recombinant Vegetative Lipoxygenases from Soybean. <i>International Journal of Biology</i> , 2010, 3, .	0.1	1
12	Protecting and preserving traditional knowledge and plant genetic resources: is ASEAN there yet?. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2010, 8, 26-34.	0.4	2
13	<i>Physcomitrella patens</i> has lipoxygenases for both eicosanoid and octadecanoid pathways. <i>Phytochemistry</i> , 2009, 70, 40-52.	1.4	43
14	Crystal structures of vegetative soybean lipoxygenase VLX-B and VLX-D, and comparisons with seed isoforms LOX-1 and LOX-3. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 1008-1020.	1.5	53
15	The functional status of paraveinal mesophyll vacuoles changes in response to altered metabolic conditions in soybean leaves. <i>Functional Plant Biology</i> , 2005, 32, 335.	1.1	8
16	Protein sorting and expression of a unique soybean cotyledon protein, GmSBP, destined for the protein storage vacuole. <i>Plant Molecular Biology</i> , 2003, 52, 1089-1106.	2.0	13
17	The biochemical origin of pentenol emissions from wounded leaves. <i>Phytochemistry</i> , 2003, 62, 159-163.	1.4	41
18	Identification and characterization of a sucrose transporter isolated from the developing cotyledons of soybean. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 243-250.	1.4	21

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19	Activity of Soybean Lipoxygenase Isoforms against Esterified Fatty Acids Indicates Functional Specificity. Archives of Biochemistry and Biophysics, 2001, 388, 146-154.	1.4	42
20	Specific Lipoxygenase Isoforms Accumulate in Distinct Regions of Soybean Pod Walls and Mark a Unique Cell Layer. Plant Physiology, 2000, 123, 1269-1280.	2.3	23
21	The Mid-Pericarp Cell Layer in Soybean Pod Walls Is a Multicellular Compartment Enriched in Specific Lipoxygenase Isoforms. Plant Physiology, 2000, 123, 1281-1288.	2.3	17
22	Protein dynamics, activity and cellular localization of soybean lipoxygenases indicate distinct functional roles for individual isoforms. Plant Journal, 1999, 19, 543-554.	2.8	49
23	Specific Soybean Lipoxygenases Localize to Discrete Subcellular Compartments and Their mRNAs Are Differentially Regulated by Source-Sink Status ¹ . Plant Physiology, 1998, 116, 923-933.	2.3	42
24	Â-Tonoplast intrinsic protein defines unique plant vacuole functions. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12995-12999.	3.3	128
25	A Plasma Membrane Sucrose-binding Protein That Mediates Sucrose Uptake Shares Structural and Sequence Similarity with Seed Storage Proteins but Remains Functionally Distinct. Journal of Biological Chemistry, 1997, 272, 15898-15904.	1.6	30
26	Functional characterization of sucrose binding protein-mediated sucrose uptake in yeast. Journal of Experimental Botany, 1996, 47, 1217-1222.	2.4	17
27	Sink Limitation Induces the Expression of Multiple Soybean Vegetative Lipoxygenase mRNAs while the Endogenous Jasmonic Acid Level Remains Low. Plant Cell, 1995, 7, 1319.	3.1	1
28	Sink limitation induces the expression of multiple soybean vegetative lipoxygenase mRNAs while the endogenous jasmonic acid level remains low.. Plant Cell, 1995, 7, 1319-1331.	3.1	75
29	The Effects of High Salinity, Water-Deficit, and Abscisic Acid on Phosphoenolpyruvate Carboxylase Activity and Proline Accumulation in Mesembryanthemum crystallinum Cell Cultures. Journal of Plant Physiology, 1995, 145, 557-564.	1.6	28
30	Expression, Activity, and Cellular Accumulation of Methyl Jasmonate-Responsive Lipoxygenase in Soybean Seedlings. Plant Physiology, 1992, 100, 433-443.	2.3	69
31	Biotinylation of Cell Surface Proteins in Carrot Suspension Cells. Journal of Plant Physiology, 1991, 139, 45-51.	1.6	6
32	Induction of soybean vegetative storage proteins and anthocyanins by low-level atmospheric methyl jasmonate.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6745-6749.	3.3	186
33	The Soybean 94-Kilodalton Vegetative Storage Protein Is a Lipoxygenase That Is Localized in Paraveinal Mesophyll Cell Vacuoles. Plant Cell, 1991, 3, 973.	3.1	33
34	The Inorganic NO ₃ ⁻ : NH ₄ ⁺ ratio Influences Plant Regeneration and Auxin Sensitivity in Primary Callus Derived from Immature Embryos of Indica Rice (Oryza sativa L.). Journal of Plant Physiology, 1990, 136, 362-367.	1.6	74
35	Plasma membrane proteins associated with undifferentiated and embryonic <i>Daucus carota</i> tissue. Protoplasma, 1989, 150, 139-149.	1.0	9
36	Plant regeneration from indica rice (<i>Oryza sativa</i> L.) protoplasts. Planta, 1989, 178, 325-333.	1.6	82

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37	Latent nitrate reductase activity is associated with the plasma membrane of corn roots. <i>Planta</i> , 1989, 177, 470-475.	1.6	70
38	Stable transformation of maize: the impact of feeder cells on protoplast growth and transformation efficiency. <i>Plant Cell Reports</i> , 1989, 8, 292-5.	2.8	20
39	Regeneration of Indica Rice (<i>Oryza sativa</i> L.) from Primary Callus Derived from Immature Embryos. <i>Journal of Plant Physiology</i> , 1989, 135, 184-190.	1.6	47
40	Plasma membrane isolated with a defined orientation used to investigate protein topography. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 862, 165-177.	1.4	10
41	Î±-Difluoromethylarginine treatment inhibits protoplast fusion in fusogenic wild-carrot protoplasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 886, 130-134.	1.9	17
42	A novel method for monitoring protoplast fusion. <i>Protoplasma</i> , 1985, 124, 65-70.	1.0	16
43	Intracellular Calcium and Calmodulin Involvement in Protoplast Fusion. <i>Plant Physiology</i> , 1985, 79, 253-258.	2.3	17
44	Calcium-induced fusion of fusogenic wild carrot protoplasts. <i>Protoplasma</i> , 1984, 120, 209-215.	1.0	30
45	Influence of <i>Pseudomonas putida</i> on nodulation of <i>Phaseolus vulgaris</i> . <i>Soil Biology and Biochemistry</i> , 1984, 16, 27-30.	4.2	106
46	Ozone Degrades into Hydroxyl Radical under Physiological Conditions. <i>Plant Physiology</i> , 1983, 72, 1016-1020.	2.3	170