Kim C Findlay

List of Publications by Year
in descending order

81 papers	7,575 citations	47 h-index (47006)	82 g-index (58581)
94 all docs	94 docs citations	94 times ranked	9923 citing authors

#	Article	IF	Citations
1	Biofilm dispersal inXanthomonas campestrisis controlled by cellâ€“cell signaling and is required for full virulence to plants. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10995-11000.	7.1	442
2	The Accumulation of Oleosins Determines the Size of Seed Oilbodies in Arabidopsis. Plant Cell, 2006, 18, 1961-1974.	6.6	394
3	Normal growth of Arabidopsis requires cytosolic invertase but not sucrose synthase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13124-13129.	7.1	349
4	Cell Wall Architecture of the Elongating Maize Coleoptile. Plant Physiology, 2001, 127, 551-565.	4.8	263
5	Tensile Properties of Arabidopsis Cell Walls Depend on Both a Xyloglucan Cross-Linked Microfibrillar Network and Rhamnogalacturonan II-Borate Complexes. Plant Physiology, 2003, 132, 1033-1040.	4.8	255
6	Virus-Induced Silencing of a Plant Cellulose Synthase Gene. Plant Cell, 2000, 12, 691-705.	6.6	249
7	AnArabidopsisGPI-Anchor Plasmodesmal Neck Protein with Callose Binding Activity and Potential to Regulate Cell-to-Cell Trafficking. Plant Cell, 2009, 21, 581-594.	6.6	245
8	Nuclear-localized cyclic nucleotideâ€“gated channels mediate symbiotic calcium oscillations. Science, 2016, 352, 1102-1105.	12.6	230
9	Phytoplasma Effector SAP54 Induces Indeterminate Leaf-Like Flower Development in Arabidopsis Plants Â Â Â. Plant Physiology, 2011, 157, 831-841.	4.8	224
10	Tetrameric c-di-GMP Mediates Effective Transcription Factor Dimerization to Control Streptomyces Development. Cell, 2014, 158, 1136-1147.	28.9	219
11	The DIF1 gene of Arabidopsis is required for meiotic chromosome segregation and belongs to the REC8/RAD21 cohesin gene family. Plant Journal, 1999, 19, 463-472.	5.7	202
12	The syntaxin SYP132 contributes to plant resistance against bacteria and secretion of pathogenesis-related protein 1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11850-11855.	7.1	199
13	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. ELife, 2016, 5, .	6.0	189
14	The Receptor-Like Kinase SERK3/BAK1 Is Required for Basal Resistance against the Late Blight Pathogen Phytophthora infestans in Nicotiana benthamiana. PLoS ONE, 2011, 6, e16608.	2.5	170
15	Escherichia coli Strains Blocked in Tat-Dependent Protein Export Exhibit Pleiotropic Defects in the Cell Envelope. Journal of Bacteriology, 2001, 183, 139-144.	2.2	165
16	Callose Synthase GSL7 Is Necessary for Normal Phloem Transport and Inflorescence Growth in Arabidopsis Â Â. Plant Physiology, 2011, 155, 328-341.	4.8	158
17	UDP-Glucose 4-Epimerase Isoforms UGE2 and UGE4 Cooperate in Providing UDP-Galactose for Cell Wall Biosynthesis and Growth of Arabidopsis thaliana. Plant Cell, 2007, 19, 1565-1579.	6.6	133
18	The Plasmodesmal Protein PDLP1 Localises to Haustoria-Associated Membranes during Downy Mildew Infection and Regulates Callose Deposition. PLoS Pathogens, 2014, 10, e1004496.	4.7	130

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19	TIP, A Novel Host Factor Linking Callose Degradation with the Cell-to-Cell Movement of Potato virus X. Molecular Plant-Microbe Interactions, 2003, 16, 132-140.	2.6	121
20	Genes Required for Aerial Growth, Cell Division, and Chromosome Segregation Are Targets of WhiA before Sporulation in Streptomyces venezuelae. MBio, 2013, 4, e00684-13.	4.1	121
21	Cell elongation in Arabidopsis hypocotyls involves dynamic changes in cell wall thickness. Journal of Experimental Botany, 2007, 58, 2079-2089.	4.8	117
22	A new RNA polymerase sigma factor, ?Fis required for the late stages of morphological differentiation in Streptomyces spp.. Molecular Microbiology, 1995, 17, 37-48.	2.5	114
23	Sad3andSad4Are Required for Saponin Biosynthesis and Root Development in Oat. Plant Cell, 2008, 20, 201-212.	6.6	110
24	Association of early sporulation genes with suggested developmental decision points in Streptomyces coelicolor A3(2). Microbiology (United Kingdom), 1999, 145, 2229-2243.	1.8	109
25	The Coat and Cylindrical Inclusion Proteins of a Potyvirus Are Associated with Connections between Plant Cells. Virology, 1997, 236, 296-306.	2.4	107
26	Potential for re-emergence of wheat stem rust in the United Kingdom. Communications Biology, 2018, 1, 13.	4.4	107
27	WhiD and WhiB, Homologous Proteins Required for Different Stages of Sporulation in Streptomyces coelicolor A3(2). Journal of Bacteriology, 2000, 182, 1286-1295.	2.2	105
28	Cowpea mosaic virus-based chimaeras. Virology, 2003, 310, 50-63.	2.4	93
29	The SERRATE locus controls the formation of the early juvenile leaves and phase length in Arabidopsis. Plant Journal, 1999, 20, 493-501.	5.7	90
30	Purification of the Escherichia coli ammonium transporter AmtB reveals a trimeric stoichiometry. Biochemical Journal, 2002, 364, 527-535.	3.7	88
31	The Transport of Sugars to Developing Embryos Is Not via the Bulk Endosperm in Oilseed Rape Seeds Â Â. Plant Physiology, 2008, 147, 2121-2130.	4.8	86
32	The actinobacteria-specific gene wblA controls major developmental transitions in Streptomyces coelicolor A3(2). Microbiology (United Kingdom), 2011, 157, 1312-1328.	1.8	82
33	The <scp>I</scp>nhibitor of wax 1 locus (<scp>I</scp>w1) prevents formation of Î²â€•and <scp>OH</scp>â€Î²â€diketones in wheat cuticular waxes and maps to a subâ€c<scp>M</scp> interval on chromosome arm 2<scp>BS</scp>. Plant Journal, 2013, 74, 989-1002.	5.7	82
34	The Rhizobium leguminosarum prsDE genes are required for secretion of several proteins, some of which influence nodulation, symbiotic nitrogen fixation and exopolysaccharide modification. Molecular Microbiology, 1997, 25, 135-146.	2.5	81
35	The rotation of cellulose synthase trajectories is microtubule dependent and influences the texture of epidermal cell walls inArabidopsis hypocotyls. Journal of Cell Science, 2010, 123, 3490-3495.	2.0	81
36	Genome-Wide Chromatin Immunoprecipitation Sequencing Analysis Shows that WhiB Is a Transcription Factor That Cocontrols Its Regulon with WhiA To Initiate Developmental Cell Division in Streptomyces. MBio, 2016, 7, e00523-16.	4.1	81

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37	Distinct Properties of the Five UDP-d-glucose/UDP-d-galactose 4-Epimerase Isoforms of Arabidopsis thaliana. Journal of Biological Chemistry, 2006, 281, 17276-17285.	3.4	80
38	Investigation of triterpene synthesis and regulation in oats reveals a role for Î²-amyrin in determining root epidermal cell patterning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8679-8684.	7.1	76
39	A protein complex required for polar growth of rhizobial infection threads. Nature Communications, 2019, 10, 2848.	12.8	72
40	Two dynamin-like proteins stabilize FtsZ rings during Streptomyces sporulation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6176-E6183.	7.1	70
41	Characterization of three loci controlling resistance of Arabidopsis thaliana accession Ms-0 to two powdery mildew diseases. Plant Journal, 1997, 12, 757-768.	5.7	69
42	An Immuno-Suppressive Aphid Saliva Protein Is Delivered into the Cytosol of Plant Mesophyll Cells During Feeding. Molecular Plant-Microbe Interactions, 2016, 29, 854-861.	2.6	58
43	c-di-GMP Arms an Anti-Ïƒ to Control Progression of Multicellular Differentiation in Streptomyces. Molecular Cell, 2020, 77, 586-599.e6.	9.7	58
44	Layerâ€Byâ€Layer Assembly of Viral Nanoparticles and Polyelectrolytes: The Film Architecture is Different for Spheres Versus Rods. ChemBioChem, 2008, 9, 1662-1670.	2.6	56
45	Function and Redundancy of the Chaplin Cell Surface Proteins in Aerial Hypha Formation, Rodlet Assembly, and Viability in Streptomyces coelicolor. Journal of Bacteriology, 2008, 190, 5879-5889.	2.2	55
46	Siteâ€specific and Spatially Controlled Addressability of a New Viral Nanobuilding Block: Sulfolobus islandicus Rodâ€shaped Virus 2. Advanced Functional Materials, 2008, 18, 3478-3486.	14.9	54
47	DevA, a GntR-Like Transcriptional Regulator Required for Development in Streptomyces coelicolor. Journal of Bacteriology, 2006, 188, 5014-5023.	2.2	51
48	Aromatic Decoration Determines the Formation of Anthocyanic Vacuolar Inclusions. Current Biology, 2017, 27, 945-957.	3.9	49
49	FtsW Is a Dispensable Cell Division Protein Required for Z-Ring Stabilization during Sporulation Septation in Streptomyces coelicolor. Journal of Bacteriology, 2008, 190, 5555-5566.	2.2	47
50	New Sporulation Loci in Streptomyces coelicolor A3(2). Journal of Bacteriology, 1999, 181, 5419-5425.	2.2	47
51	Characterization of Starch from Tubers of Yam Bean (Pachyrhizus ahipa). Journal of Agricultural and Food Chemistry, 2002, 50, 361-367.	5.2	45
52	A fasciclin-domain containing gene, ZeFLA11, is expressed exclusively in xylem elements that have reticulate wall thickenings in the stem vascular system of Zinnia elegans cv Envy. Planta, 2006, 223, 1281-1291.	3.2	45
53	Title is missing!. Molecular Breeding, 2000, 6, 317-326.	2.1	43
54	Atkinesin-13A Modulates Cell-Wall Synthesis and Cell Expansion in Arabidopsis thaliana via the THESEUS1 Pathway. PLoS Genetics, 2014, 10, e1004627.	3.5	40

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55	Actin-Dependent and -Independent Functions of Cortical Microtubules in the Differentiation ofArabidopsisLeaf Trichomes. Plant Cell, 2014, 26, 1629-1644.	6.6	38
56	Aerial development in Streptomyces coelicolor requires sortase activity. Molecular Microbiology, 2012, 83, 992-1005.	2.5	37
57	The Streptomyces master regulator BldD binds c-di-GMP sequentially to create a functional BldD2-(c-di-GMP)4 complex. Nucleic Acids Research, 2017, 45, 6923-6933.	14.5	37
58	BldC Delays Entry into Development To Produce a Sustained Period of Vegetative Growth in Streptomyces venezuelae. MBio, 2019, 10, .	4.1	36
59	Extensin network formation in Vitis vinifera callus cells is an essential and causal event in rapid and H2O2-induced reduction in primary cell wall hydration. BMC Plant Biology, 2011, 11, 106.	3.6	33
60	Assembly of Î±-Glucan by GlgE and GlgB in Mycobacteria and Streptomycetes. Biochemistry, 2016, 55, 3270-3284.	2.5	33
61	c-di-AMP hydrolysis by the phosphodiesterase AtaC promotes differentiation of multicellular bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7392-7400.	7.1	32
62	Deletion of DNA lying close to the glkA locus induces ectopic sporulation in Streptomyces coelicolor A3(2). Molecular Microbiology, 1995, 17, 221-230.	2.5	31
63	Cell Wall Architecture of the Elongating Maize Coleoptile. Plant Physiology, 2001, 127, 551-565.	4.8	29
64	An Unusual Response Regulator Influences Sporulation at Early and Late Stages in Streptomyces coelicolor. Journal of Bacteriology, 2007, 189, 2873-2885.	2.2	28
65	The complex whiJ locus mediates environmentally sensitive repression of development of Streptomyces coelicolor A3(2). Antonie Van Leeuwenhoek, 2010, 98, 225-236.	1.7	28
66	An intact RBR-binding motif is not required for infectivity of Maize streak virus in cereals, but is required for invasion of mesophyll cells. Journal of General Virology, 2005, 86, 797-801.	2.9	26
67	Translational Control of the SigR-Directed Oxidative Stress Response in Streptomyces via IF3-Mediated Repression of a Noncanonical GTC Start Codon. MBio, 2017, 8, .	4.1	25
68	Pan-genome analysis identifies intersecting roles for Pseudomonas specialized metabolites in potato pathogen inhibition. ELife, 2021, 10, .	6.0	25
69	Spatial rearrangement of the Streptomyces venezuelae linear chromosome during sporogenic development. Nature Communications, 2021, 12, 5222.	12.8	23
70	Multiâ€layered inhibition of Streptomyces development: BldO is a dedicated repressor of whiB. Molecular Microbiology, 2017, 104, 700-711.	2.5	20
71	Two <scp>L</scp>otus japonicus symbiosis mutants impaired at distinct steps of arbuscule development. Plant Journal, 2013, 75, 117-129.	5.7	15
72	A conserved cell division protein directly regulates FtsZ dynamics in filamentous and unicellular actinobacteria. ELife, 2021, 10, .	6.0	12

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73	CHPA, a Cysteine- and Histidine-Rich-Domain-Containing Protein, Contributes to Maintenance of the Diploid State in Aspergillus nidulans. Eukaryotic Cell, 2004, 3, 984-991.	3.4	11
74	A novel proline-rich glycoprotein associated with the extracellular matrix of vascular bundles of Brassica petioles. Planta, 1997, 202, 28-35.	3.2	10
75	Developmental delay in a Streptomyces venezuelae glgE null mutant is associated with the accumulation of Î±-maltose 1-phosphate. Microbiology (United Kingdom), 2016, 162, 1208-1219.	1.8	10
76	Hyphal compartmentalization and sporulation in Streptomyces require the conserved cell division protein SepX. Nature Communications, 2022, 13, 71.	12.8	9
77	Specific amino acid substitutions in Î² strand S2 of FtsZ cause spiraling septation and impair assembly cooperativity inStreptomycesspp.. Molecular Microbiology, 2019, 112, 184-198.	2.5	6
78	Aeciospore ejection in the rust pathogen Puccinia graminis is driven by moisture ingress. Communications Biology, 2021, 4, 1216.	4.4	4
79	Genome-Wide Identification of the LexA-Mediated DNA Damage Response in Streptomyces venezuelae. Journal of Bacteriology, 2022, 204, .	2.2	3
80	DNA damage-induced block of sporulation in Streptomyces venezuelae involves downregulation of ssgB. Microbiology (United Kingdom), 2022, 168, .	1.8	1
81	How do Streptomyces coordinate DNA repair and cell division following DNA damage?. Access Microbiology, 2022, 4, .	0.5	0