Kim C Findlay

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Hyphal compartmentalization and sporulation in Streptomyces require the conserved cell division protein SepX. Nature Communications, 2022, 13, 71.	12.8	9
2	How do Streptomyces coordinate DNA repair and cell division following DNA damage?. Access Microbiology, 2022, 4, .	0.5	0
3	DNA damage-induced block of sporulation in Streptomyces venezuelae involves downregulation of ssgB. Microbiology (United Kingdom), 2022, 168, .	1.8	1
4	Genome-Wide Identification of the LexA-Mediated DNA Damage Response in Streptomyces venezuelae. Journal of Bacteriology, 2022, 204, .	2.2	3
5	A conserved cell division protein directly regulates FtsZ dynamics in filamentous and unicellular actinobacteria. ELife, 2021, 10, .	6.0	12
6	Spatial rearrangement of the Streptomyces venezuelae linear chromosome during sporogenic development. Nature Communications, 2021, 12, 5222.	12.8	23
7	Aeciospore ejection in the rust pathogen Puccinia graminis is driven by moisture ingress. Communications Biology, 2021, 4, 1216.	4.4	4
8	Pan-genome analysis identifies intersecting roles for Pseudomonas specialized metabolites in potato pathogen inhibition. ELife, 2021, 10, .	6.0	25
9	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
10	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
11	A protein complex required for polar growth of rhizobial infection threads. Nature Communications, 2019, 10, 2848.	12.8	72
12	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
13	BldC Delays Entry into Development To Produce a Sustained Period of Vegetative Growth in Streptomyces venezuelae. MBio, 2019, 10, .	4.1	36
14	Potential for re-emergence of wheat stem rust in the United Kingdom. Communications Biology, 2018, 1, 13.	4.4	107
15	Multiâ€layered inhibition of <i>Streptomyces</i> development: BldO is a dedicated repressor of <i>whiB</i>. Molecular Microbiology, 2017, 104, 700-711.	2.5	20
16	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
17	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
18	Aromatic Decoration Determines the Formation of Anthocyanic Vacuolar Inclusions. Current Biology, 2017, 27, 945-957.	3.9	49

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19	Two dynamin-like proteins stabilize FtsZ rings during <i>Streptomyces</i> sporulation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6176-E6183.	7.1	70
20	An effector of the Irish potato famine pathogen antagonizes a host autophagy cargo receptor. ELife, 2016, 5, .	6.0	189
21	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
22	Nuclear-localized cyclic nucleotideâ€“gated channels mediate symbiotic calcium oscillations. Science, 2016, 352, 1102-1105.	12.6	230
23	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 <i>Streptomyces</i>. MBio, 2016, 7, e00523-16.	4.1	81
24	Assembly of Î±-Glucan by GlgE and GlgB in Mycobacteria and Streptomycetes. Biochemistry, 2016, 55, 3270-3284.	2.5	33
25	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
26	Atkinesin-13A Modulates Cell-Wall Synthesis and Cell Expansion in Arabidopsis thaliana via the THESEUS1 Pathway. PLoS Genetics, 2014, 10, e1004627.	3.5	40
27	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
28	Actin-Dependent and -Independent Functions of Cortical Microtubules in the Differentiation of<i>Arabidopsis</i>Leaf Trichomes. Plant Cell, 2014, 26, 1629-1644.	6.6	38
29	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
30	Tetrameric c-di-GMP Mediates Effective Transcription Factor Dimerization to Control Streptomyces Development. Cell, 2014, 158, 1136-1147.	28.9	219
31	The <i><scp>I</scp>nhibitor of wax 1</i> locus (<i><scp>I</scp>w1</i>) prevents formation of Î²â€•and <scp>OH</scp>â€Î²â€diketones in wheat cuticular waxes and maps to a subâ€<scp>M</scp> interval on chromosome arm 2<scp>BS</scp>. Plant Journal, 2013, 74, 989-1002.	5.7	82
32	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
33	Two <i><scp>L</scp>otus japonicus</i> symbiosis mutants impaired at distinct steps of arbuscule development. Plant Journal, 2013, 75, 117-129.	5.7	15
34	Aerial development in <i>Streptomyces coelicolor</i> requires sortase activity. Molecular Microbiology, 2012, 83, 992-1005.	2.5	37
35	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
36	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

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37	Phytoplasma Effector SAP54 Induces Indeterminate Leaf-Like Flower Development in Arabidopsis Plants Â Â Â. Plant Physiology, 2011, 157, 831-841.	4.8	224
38	The actinobacteria-specific gene wblA controls major developmental transitions in Streptomyces coelicolor A3(2). Microbiology (United Kingdom), 2011, 157, 1312-1328.	1.8	82
39	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
40	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
41	The rotation of cellulose synthase trajectories is microtubule dependent and influences the texture of epidermal cell walls in<i>Arabidopsis hypocotyls</i>. Journal of Cell Science, 2010, 123, 3490-3495.	2.0	81
42	An<i>Arabidopsis</i>GPI-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
43	Normal growth of <i>Arabidopsis</i> 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
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	Siteâ€specific and Spatially Controlled Addressability of a New Viral Nanobuilding Block: <i>Sulfolobus islandicus</i> Rodâ€shaped Virus 2. Advanced Functional Materials, 2008, 18, 3478-3486.	14.9	54
46	<i>Sad3</i>and<i>Sad4</i>Are Required for Saponin Biosynthesis and Root Development in Oat. Plant Cell, 2008, 20, 201-212.	6.6	110
47	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
48	FtsW Is a Dispensable Cell Division Protein Required for Z-Ring Stabilization during Sporulation Septation in <i>Streptomyces coelicolor</i>. Journal of Bacteriology, 2008, 190, 5555-5566.	2.2	47
49	Function and Redundancy of the Chaplin Cell Surface Proteins in Aerial Hypha Formation, Rodlet Assembly, and Viability in <i>Streptomyces coelicolor</i>. Journal of Bacteriology, 2008, 190, 5879-5889.	2.2	55
50	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
51	Cell elongation in Arabidopsis hypocotyls involves dynamic changes in cell wall thickness. Journal of Experimental Botany, 2007, 58, 2079-2089.	4.8	117
52	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
53	An Unusual Response Regulator Influences Sporulation at Early and Late Stages in Streptomyces coelicolor. Journal of Bacteriology, 2007, 189, 2873-2885.	2.2	28
54	The Accumulation of Oleosins Determines the Size of Seed Oilbodies in Arabidopsis. Plant Cell, 2006, 18, 1961-1974.	6.6	394

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55	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
56	DevA, a GntR-Like Transcriptional Regulator Required for Development in Streptomyces coelicolor. Journal of Bacteriology, 2006, 188, 5014-5023.	2.2	51
57	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
58	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
59	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
60	Cowpea mosaic virus-based chimaeras. Virology, 2003, 310, 50-63.	2.4	93
61	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
62	Biofilm dispersal in<i>Xanthomonas campestris</i>is 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
63	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
64	Purification of the Escherichia coli ammonium transporter AmtB reveals a trimeric stoichiometry. Biochemical Journal, 2002, 364, 527-535.	3.7	88
65	Characterization of Starch from Tubers of Yam Bean (Pachyrhizus ahipa). Journal of Agricultural and Food Chemistry, 2002, 50, 361-367.	5.2	45
66	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
67	Cell Wall Architecture of the Elongating Maize Coleoptile. Plant Physiology, 2001, 127, 551-565.	4.8	29
68	Cell Wall Architecture of the Elongating Maize Coleoptile. Plant Physiology, 2001, 127, 551-565.	4.8	263
69	Title is missing!. Molecular Breeding, 2000, 6, 317-326.	2.1	43
70	Virus-Induced Silencing of a Plant Cellulose Synthase Gene. Plant Cell, 2000, 12, 691-705.	6.6	249
71	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
72	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

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73	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
74	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
75	New Sporulation Loci in Streptomyces coelicolor A3(2). Journal of Bacteriology, 1999, 181, 5419-5425.	2.2	47
76	The Coat and Cylindrical Inclusion Proteins of a Potyvirus Are Associated with Connections between Plant Cells. Virology, 1997, 236, 296-306.	2.4	107
77	A novel proline-rich glycoprotein associated with the extracellular matrix of vascular bundles of Brassica petioles. Planta, 1997, 202, 28-35.	3.2	10
78	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
79	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
80	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
81	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