

Berl R Oakley

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118
papers

13,769
citations

52
h-index

117
g-index

207
ext. papers

15,068
ext. citations

9.8
avg, IF

6.07
L-index

#	Paper	IF	Citations
118	A simplified ultrasensitive silver stain for detecting proteins in polyacrylamide gels. <i>Analytical Biochemistry</i> , 1980 , 105, 361-3	3.1	3111
117	Sequencing of <i>Aspergillus nidulans</i> and comparative analysis with <i>A. fumigatus</i> and <i>A. oryzae</i> . <i>Nature</i> , 2005 , 438, 1105-15	50.4	1094
116	Fusion PCR and gene targeting in <i>Aspergillus nidulans</i> . <i>Nature Protocols</i> , 2006 , 1, 3111-20	18.8	547
115	Identification of gamma-tubulin, a new member of the tubulin superfamily encoded by <i>mipA</i> gene of <i>Aspergillus nidulans</i> . <i>Nature</i> , 1989 , 338, 662-4	50.4	546
114	Gamma-tubulin is a component of the spindle pole body that is essential for microtubule function in <i>Aspergillus nidulans</i> . <i>Cell</i> , 1990 , 61, 1289-301	56.2	508
113	A versatile and efficient gene-targeting system for <i>Aspergillus nidulans</i> . <i>Genetics</i> , 2006 , 172, 1557-66	4	475
112	Centrosome-independent mitotic spindle formation in vertebrates. <i>Current Biology</i> , 2000 , 10, 59-67	6.3	409
111	Gamma-tubulin is present in <i>Drosophila melanogaster</i> and <i>Homo sapiens</i> and is associated with the centrosome. <i>Cell</i> , 1991 , 65, 817-23	56.2	389
110	Chromatin-level regulation of biosynthetic gene clusters. <i>Nature Chemical Biology</i> , 2009 , 5, 462-4	11.7	292
109	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus <i>Aspergillus</i> . <i>Genome Biology</i> , 2017 , 18, 28	18.3	261
108	The tip growth apparatus of <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2008 , 19, 1439-49	3.5	235
107	A gene cluster containing two fungal polyketide synthases encodes the biosynthetic pathway for a polyketide, asperfuranone, in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2009 , 131, 2965-70	16.4	226
106	Nuclear movement is beta-tubulin-dependent in <i>Aspergillus nidulans</i> . <i>Cell</i> , 1980 , 19, 255-62	56.2	226
105	Two separate gene clusters encode the biosynthetic pathway for the meroterpenoids austinol and dehydroaustinol in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2012 , 134, 4709-20	16.4	188
104	A beta-tubulin mutation in <i>Aspergillus nidulans</i> that blocks microtubule function without blocking assembly. <i>Cell</i> , 1981 , 24, 837-45	56.2	166
103	Cloning, mapping and molecular analysis of the <i>pyrG</i> (orotidine-5-phosphate decarboxylase) gene of <i>Aspergillus nidulans</i> . <i>Gene</i> , 1987 , 61, 385-99	3.8	163
102	Microtubule nucleation. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 111-7	9	162

101	Molecular genetic mining of the <i>Aspergillus</i> secondary metabolome: discovery of the emericellamide biosynthetic pathway. <i>Chemistry and Biology</i> , 2008 , 15, 527-32		161
100	Recent advances in awakening silent biosynthetic gene clusters and linking orphan clusters to natural products in microorganisms. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 137-43	9.7	160
99	The role of microtubules in rapid hyphal tip growth of <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2005 , 16, 918-26	3.5	160
98	Gamma-tubulin: the microtubule organizer?. <i>Trends in Cell Biology</i> , 1992 , 2, 1-5	18.3	154
97	An efficient system for heterologous expression of secondary metabolite genes in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2013 , 135, 7720-31	16.4	146
96	Cloning of the <i>riboB</i> locus of <i>Aspergillus nidulans</i> . <i>Gene</i> , 1987 , 53, 293-8	3.8	143
95	Genome-based deletion analysis reveals the prenyl xanthone biosynthesis pathway in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2011 , 133, 4010-7	16.4	134
94	Illuminating the diversity of aromatic polyketide synthases in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2012 , 134, 8212-21	16.4	131
93	Identification and characterization of the asperthecin gene cluster of <i>Aspergillus nidulans</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 7607-12	4.8	126
92	Characterization of the <i>Aspergillus nidulans</i> monodictyphenone gene cluster. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 2067-74	4.8	124
91	Amino acid alterations in the <i>benA</i> (beta-tubulin) gene of <i>Aspergillus nidulans</i> that confer benomyl resistance. <i>Cytoskeleton</i> , 1992 , 22, 170-4		122
90	A mutation in gamma-tubulin alters microtubule dynamics and organization and is synthetically lethal with the kinesin-like protein <i>pkl1p</i> . <i>Molecular Biology of the Cell</i> , 2000 , 11, 1225-39	3.5	114
89	Identification and analysis of essential <i>Aspergillus nidulans</i> genes using the heterokaryon rescue technique. <i>Nature Protocols</i> , 2006 , 1, 2517-26	18.8	108
88	Molecular genetic analysis of the orsellinic acid/F9775 gene cluster of <i>Aspergillus nidulans</i> . <i>Molecular BioSystems</i> , 2010 , 6, 587-93		98
87	Microtubule organization requires cell cycle-dependent nucleation at dispersed cytoplasmic sites: polar and perinuclear microtubule organizing centers in the plant pathogen <i>Ustilago maydis</i> . <i>Molecular Biology of the Cell</i> , 2003 , 14, 642-57	3.5	95
86	Identification of an amino acid substitution in the <i>benA</i> , beta-tubulin gene of <i>Aspergillus nidulans</i> that confers thiabendazole resistance and benomyl supersensitivity. <i>Cytoskeleton</i> , 1990 , 17, 87-94		87
85	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1662-5	16.4	87
84	An abundance of tubulins. <i>Trends in Cell Biology</i> , 2000 , 10, 537-42	18.3	85

83	Recent advances in genome mining of secondary metabolite biosynthetic gene clusters and the development of heterologous expression systems in <i>Aspergillus nidulans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 433-42	4.2	84
82	Overexpression of the <i>Aspergillus nidulans</i> histone 4 acetyltransferase EsaA increases activation of secondary metabolite production. <i>Molecular Microbiology</i> , 2012 , 86, 314-30	4.1	82
81	The 2008 update of the <i>Aspergillus nidulans</i> genome annotation: a community effort. <i>Fungal Genetics and Biology</i> , 2009 , 46 Suppl 1, S2-13	3.9	82
80	Resistance Gene-Guided Genome Mining: Serial Promoter Exchanges in <i>Aspergillus nidulans</i> Reveal the Biosynthetic Pathway for Fellutamide B, a Proteasome Inhibitor. <i>ACS Chemical Biology</i> , 2016 , 11, 2275-84	4.9	75
79	Molecular genetic characterization of a cluster in <i>A. terreus</i> for biosynthesis of the meroterpenoid terretonin. <i>Organic Letters</i> , 2012 , 14, 5684-7	6.2	72
78	gamma-Tubulin. <i>Current Topics in Developmental Biology</i> , 2000 , 49, 27-54	5.3	72
77	γ-Tubulin complexes in microtubule nucleation and beyond. <i>Molecular Biology of the Cell</i> , 2015 , 26, 2957-62	6.5	71
76	The functions of myosin II and myosin V homologs in tip growth and septation in <i>Aspergillus nidulans</i> . <i>PLoS ONE</i> , 2012 , 7, e31218	3.7	70
75	Unraveling polyketide synthesis in members of the genus <i>Aspergillus</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1719-36	5.7	68
74	In vivo analysis of the functions of gamma-tubulin-complex proteins. <i>Journal of Cell Science</i> , 2009 , 122, 4218-27	5.3	63
73	Pathogenicity and growth of <i>Metarhizium anisopliae</i> stably transformed to benomyl resistance. <i>Current Genetics</i> , 1990 , 17, 129-132	2.9	61
72	gamma-tubulin plays an essential role in the coordination of mitotic events. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1374-86	3.5	56
71	Spindle formation in <i>Aspergillus</i> is coupled to tubulin movement into the nucleus. <i>Molecular Biology of the Cell</i> , 2003 , 14, 2192-200	3.5	55
70	Engineering of an "unnatural" natural product by swapping polyketide synthase domains in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2011 , 133, 13314-6	16.4	54
69	Mlp1 acts as a mitotic scaffold to spatially regulate spindle assembly checkpoint proteins in <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2009 , 20, 2146-59	3.5	54
68	Tubulins in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2004 , 41, 420-7	3.9	54
67	Alanine-scanning mutagenesis of <i>Aspergillus</i> gamma-tubulin yields diverse and novel phenotypes. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2119-36	3.5	54
66	Evidence for a new type of endosymbiotic organization in a population of the ciliate <i>Mesodinium rubrum</i> from British Columbia. <i>BioSystems</i> , 1978 , 10, 361-9	1.9	52

65	Evidence for a double-helically coiled toroidal chromonema in the dinoflagellate chromosome. <i>Chromosoma</i> , 1979 , 70, 277-291	2.8	47
64	Discovery of McrA, a master regulator of <i>Aspergillus</i> secondary metabolism. <i>Molecular Microbiology</i> , 2017 , 103, 347-365	4.1	45
63	The gamma-tubulin gene family in humans. <i>Genomics</i> , 2000 , 67, 164-70	4.3	44
62	Gamma-tubulin and the C-terminal motor domain kinesin-like protein, KLPA, function in the establishment of spindle bipolarity in <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2001 , 12, 3161-74 ⁵	4.5	43
61	The ultrastructure of mitosis in <i>Chroomonas salina</i> (Cryptophyceae). <i>Protoplasma</i> , 1976 , 88, 241-254	3.4	43
60	Molecular genetic analysis reveals that a nonribosomal peptide synthetase-like (NRPS-like) gene in <i>Aspergillus nidulans</i> is responsible for microperforanone biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 739-48	5.7	40
59	Gamma-tubulin at ten: progress and prospects. <i>Cell Structure and Function</i> , 1999 , 24, 365-72	2.2	37
58	Timely septation requires SNAD-dependent spindle pole body localization of the septation initiation network components in the filamentous fungus <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2009 , 20, 2874-84	3.5	36
57	Azaphilones inhibit tau aggregation and dissolve tau aggregates in vitro. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 751-60	5.7	35
56	Sumoylation in <i>Aspergillus nidulans</i> : sumO inactivation, overexpression and live-cell imaging. <i>Fungal Genetics and Biology</i> , 2008 , 45, 728-37	3.9	33
55	Reengineering an azaphilone biosynthesis pathway in <i>Aspergillus nidulans</i> to create lipoyxygenase inhibitors. <i>Organic Letters</i> , 2012 , 14, 972-5	6.2	32
54	Gamma-tubulin regulates the anaphase-promoting complex/cyclosome during interphase. <i>Journal of Cell Biology</i> , 2010 , 190, 317-30	7.3	32
53	Mitosis and cell division in <i>Cryptomonas</i> (Cryptophyceae). <i>Canadian Journal of Botany</i> , 1977 , 55, 2789-2800		32
52	Characterization of gamma-tubulin complexes in <i>Aspergillus nidulans</i> and detection of putative gamma-tubulin interacting proteins. <i>Cytoskeleton</i> , 1997 , 37, 149-58		31
51	Mitotic gene conversion, reciprocal recombination and gene replacement at the <i>benA</i> , beta-tubulin, locus of <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1988 , 213, 339-45		30
50	Molecular genetic characterization of the biosynthesis cluster of a prenylated isoindolinone alkaloid aspernidine A in <i>Aspergillus nidulans</i> . <i>Organic Letters</i> , 2013 , 15, 2862-5	6.2	29
49	TINA interacts with the NIMA kinase in <i>Aspergillus nidulans</i> and negatively regulates astral microtubules during metaphase arrest. <i>Molecular Biology of the Cell</i> , 2003 , 14, 3169-79	3.5	29
48	Conditionally lethal tubA alpha-tubulin mutations in <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1987 , 208, 135-44		29

47	The fungal natural product azaphilone-9 binds to HuR and inhibits HuR-RNA interaction in vitro. <i>PLoS ONE</i> , 2017 , 12, e0175471	3.7	28
46	Inhibition of Tau aggregation by three <i>Aspergillus nidulans</i> secondary metabolites: 2,6-dihydroxyemodin, asperthecin, and asperbenzaldehyde. <i>Planta Medica</i> , 2014 , 80, 77-85	3.1	28
45	Mitosis in wild-type and beta-tubulin mutant strains of <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 1998 , 24, 146-60	3.9	28
44	Mitosis in the Cryptophytes. <i>Nature</i> , 1973 , 244, 521-2	50.4	28
43	A cryptic pigment biosynthetic pathway uncovered by heterologous expression is essential for conidial development in <i>Pestalotiopsis fici</i> . <i>Molecular Microbiology</i> , 2017 , 105, 469-483	4.1	26
42	Rational domain swaps reveal insights about chain length control by ketosynthase domains in fungal nonreducing polyketide synthases. <i>Organic Letters</i> , 2014 , 16, 1676-9	6.2	26
41	Tools for manipulation of secondary metabolism pathways: rapid promoter replacements and gene deletions in <i>Aspergillus nidulans</i> . <i>Methods in Molecular Biology</i> , 2012 , 944, 143-61	1.4	26
40	Telomere position effect is regulated by heterochromatin-associated proteins and NkuA in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3522-3531	2.9	26
39	Cryptic <i>Aspergillus nidulans</i> antimicrobials. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3669-75	4.8	26
38	Engineering fungal nonreducing polyketide synthase by heterologous expression and domain swapping. <i>Organic Letters</i> , 2013 , 15, 756-9	6.2	24
37	Spatial regulation of a common precursor from two distinct genes generates metabolite diversity. <i>Chemical Science</i> , 2015 , 6, 5913-5921	9.4	23
36	Identification and molecular genetic analysis of the cichorine gene cluster in. <i>MedChemComm</i> , 2012 , 3,	5	23
35	Unusual antimicrotubule activity of the antifungal agent spongistatin 1. <i>Antimicrobial Agents and Chemotherapy</i> , 1999 , 43, 1993-9	5.9	23
34	Microtubule mutants. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1985 , 63, 479-88		23
33	Hybrid Transcription Factor Engineering Activates the Silent Secondary Metabolite Gene Cluster for (+)-Asperlin in <i>Aspergillus nidulans</i> . <i>ACS Chemical Biology</i> , 2018 , 13, 3193-3205	4.9	22
32	Cytoplasmic dynein's mitotic spindle pole localization requires a functional anaphase-promoting complex, gamma-tubulin, and NUDF/LIS1 in <i>Aspergillus nidulans</i> . <i>Molecular Biology of the Cell</i> , 2005 , 16, 3591-605	3.5	20
31	Isolation and characterization of cold-sensitive mutations at the <i>benA</i> , beta-tubulin, locus of <i>Aspergillus nidulans</i> . <i>Molecular Genetics and Genomics</i> , 1985 , 201, 56-64		20
30	Tubulin plays a key role in inactivating APC/C(Cdh1) at the G(1)-S boundary. <i>Journal of Cell Biology</i> , 2012 , 198, 785-91	7.3	18

29	Expression of Arabidopsis gamma-tubulin in fission yeast reveals conserved and novel functions of gamma-tubulin. <i>Plant Physiology</i> , 2003 , 133, 1926-34	6.6	18
28	Some advantages and limitations of mitosis as a phylogenetic criterion. <i>BioSystems</i> , 1978 , 10, 59-64	1.9	18
27	Gamma tubulin in plant cells. <i>Methods in Cell Biology</i> , 2001 , 67, 195-212	1.8	17
26	Assembly of a heptameric STRIPAK complex is required for coordination of light-dependent multicellular fungal development with secondary metabolism in <i>Aspergillus nidulans</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008053	6	16
25	Dual-Color imaging of nuclear division and mitotic spindle elongation in live cells of <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2004 , 3, 553-6		16
24	Purification and characterization of assembly-competent tubulin from <i>Aspergillus nidulans</i> . <i>Biochemistry</i> , 1995 , 34, 6373-81	3.2	16
23	Overexpression of a three-gene conidial pigment biosynthetic pathway in <i>Aspergillus nidulans</i> reveals the first NRPS known to acetylate tryptophan. <i>Fungal Genetics and Biology</i> , 2017 , 101, 1-6	3.9	15
22	Overexpression of an LaeA-like Methyltransferase Upregulates Secondary Metabolite Production in. <i>ACS Chemical Biology</i> , 2019 , 14, 1643-1651	4.9	11
21	Molecular and genetic methods for studying mitosis and spindle proteins in <i>Aspergillus nidulans</i> . <i>Methods in Cell Biology</i> , 1982 , 25 Pt B, 107-30	1.8	11
20	New multi-marker strains and complementing genes for <i>Aspergillus nidulans</i> molecular biology. <i>Fungal Genetics and Biology</i> , 2018 , 111, 1-6	3.9	10
19	Cell Cycle and Tubulin Mutations in Filamentous Fungi 1991 , 107-125		10
18	The Pheromone Module SteC-MkkB-MpkB-SteD-HamE Regulates Development, Stress Responses and Secondary Metabolism in. <i>Frontiers in Microbiology</i> , 2020 , 11, 811	5.7	8
17	The tetrameric pheromone module SteC-MkkB-MpkB-SteD regulates asexual sporulation, sclerotia formation and aflatoxin production in <i>Aspergillus flavus</i> . <i>Cellular Microbiology</i> , 2020 , 22, e13192	3.9	8
16	Microtubule dynamics in mitosis in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2011 , 48, 998-9	3.9	8
15	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie</i> , 2016 , 128, 1694-1697	3.6	8
14	The <i>Aspergillus nidulans</i> bimC4 mutation provides an excellent tool for identification of kinesin-14 inhibitors. <i>Fungal Genetics and Biology</i> , 2015 , 82, 51-5	3.9	6
13	βTubulin and the fungal microtubule cytoskeleton. <i>Canadian Journal of Botany</i> , 1995 , 73, 352-358		6
12	Recent progress in the chemotherapy of human fungal diseases. Emphasis on 1,3-βglucan synthase and chitin synthase inhibitors. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4859-87	4.3	6

11	Functional characterization of clinical isolates of the opportunistic fungal pathogen <i>Aspergillus nidulans</i>		5
10	SUMOlock reveals a more complete <i>Aspergillus nidulans</i> SUMOylome. <i>Fungal Genetics and Biology</i> , 2019 , 127, 50-59	3.9	4
9	Spatial regulation of the spindle assembly checkpoint and anaphase-promoting complex in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2015 , 95, 442-57	4.1	4
8	Mitotic Mutants 1981 , 181-196		4
7	Analyzing Fungal Secondary Metabolite Genes and Gene Clusters 2014 , 171-193		3
6	Identification and Validation of an Secondary Metabolite Derivative as an Inhibitor of the Musashi-RNA Interaction. <i>Cancers</i> , 2020 , 12,	6.6	3
5	Mitosis in the Cryptophyceae (reply). <i>Nature</i> , 1974 , 247, 300-300	50.4	2
4	Fungally Derived Isoquinoline Demonstrates Inducer-Specific Tau Aggregation Inhibition. <i>Biochemistry</i> , 2021 , 60, 1658-1669	3.2	2
3	The Cytoskeleton in Filamentous Fungi 2014 , 207-223		1
2	Methods for isolating and analyzing mitotic mutants in <i>Aspergillus nidulans</i> . <i>Methods in Cell Biology</i> , 1999 , 61, 347-68	1.8	1
1	Onychomycosis and its Chemotherapy. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1609-24	4.3	