Berl R Oakley

List of Publications by Year in Descending Order

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	Fungally Derived Isoquinoline Demonstrates Inducer-Specific Tau Aggregation Inhibition. *Biochemistry*, **2021**, 60, 1658-1669	3.2	2
117	The Pheromone Module SteC-MkkB-MpkB-SteD-HamE Regulates Development, Stress Responses and Secondary Metabolism in. *Frontiers in Microbiology*, **2020**, 11, 811	5.7	8
116	The tetrameric pheromone module SteC-MkkB-MpkB-SteD regulates asexual sporulation, sclerotia formation and aflatoxin production in Aspergillus flavus. *Cellular Microbiology*, **2020**, 22, e13192	3.9	8
115	Identification and Validation of an Secondary Metabolite Derivative as an Inhibitor of the Musashi-RNA Interaction. *Cancers*, **2020**, 12,	6.6	3
114	Overexpression of an LaeA-like Methyltransferase Upregulates Secondary Metabolite Production in. *ACS Chemical Biology*, **2019**, 14, 1643-1651	4.9	11
113	Assembly of a heptameric STRIPAK complex is required for coordination of light-dependent multicellular fungal development with secondary metabolism in Aspergillus nidulans. *PLoS Genetics* , **2019**, 15, e1008053	6	16
112	SUMOlock reveals a more complete Aspergillus nidulans SUMOylome. *Fungal Genetics and Biology*, **2019**, 127, 50-59	3.9	4
111	New multi-marker strains and complementing genes for Aspergillus nidulans molecular biology. *Fungal Genetics and Biology*, **2018**, 111, 1-6	3.9	10
110	Hybrid Transcription Factor Engineering Activates the Silent Secondary Metabolite Gene Cluster for (+)-Asperlin in Aspergillus nidulans. *ACS Chemical Biology*, **2018**, 13, 3193-3205	4.9	22
109	Overexpression of a three-gene conidial pigment biosynthetic pathway in Aspergillus nidulans reveals the first NRPS known to acetylate tryptophan. *Fungal Genetics and Biology*, **2017**, 101, 1-6	3.9	15
108	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus Aspergillus. *Genome Biology*, **2017**, 18, 28	18.3	261
107	A cryptic pigment biosynthetic pathway uncovered by heterologous expression is essential for conidial development in Pestalotiopsis fici. *Molecular Microbiology*, **2017**, 105, 469-483	4.1	26
106	The fungal natural product azaphilone-9 binds to HuR and inhibits HuR-RNA interaction in vitro. *PLoS ONE*, **2017**, 12, e0175471	3.7	28
105	Discovery of McrA, a master regulator of Aspergillus secondary metabolism. *Molecular Microbiology* , **2017**, 103, 347-365	4.1	45
104	Resistance Gene-Guided Genome Mining: Serial Promoter Exchanges in Aspergillus nidulans Reveal the Biosynthetic Pathway for Fellutamide B, a Proteasome Inhibitor. *ACS Chemical Biology*, **2016**, 11, 2275-84	4.9	75
103	Onychomycosis and its Chemotherapy. *Current Medicinal Chemistry*, **2016**, 23, 1609-24	4.3	
102	Development of Genetic Dereplication Strains in Aspergillus nidulans Results in the Discovery of Aspercryptin. *Angewandte Chemie*, **2016**, 128, 1694-1697	3.6	8

101	Development of Genetic Dereplication Strains in Aspergillus nidulans Results in the Discovery of Aspercryptin. *Angewandte Chemie - International Edition*, **2016**, 55, 1662-5	16.4	87
100	Spatial regulation of a common precursor from two distinct genes generates metabolite diversity. *Chemical Science*, **2015**, 6, 5913-5921	9.4	23
99	The Aspergillus nidulans bimC4 mutation provides an excellent tool for identification of kinesin-14 inhibitors. *Fungal Genetics and Biology*, **2015**, 82, 51-5	3.9	6
98	Azaphilones inhibit tau aggregation and dissolve tau aggregates in vitro. *ACS Chemical Neuroscience*, **2015**, 6, 751-60	5.7	35
97	-Tubulin complexes in microtubule nucleation and beyond. *Molecular Biology of the Cell*, **2015**, 26, 2957-62	3.5	71
96	Spatial regulation of the spindle assembly checkpoint and anaphase-promoting complex in Aspergillus nidulans. *Molecular Microbiology*, **2015**, 95, 442-57	4.1	4
95	Rational domain swaps reveal insights about chain length control by ketosynthase domains in fungal nonreducing polyketide synthases. *Organic Letters*, **2014**, 16, 1676-9	6.2	26
94	The Cytoskeleton in Filamentous Fungi **2014**, 207-223		1
93	Inhibition of Tau aggregation by three Aspergillus nidulans secondary metabolites: 2,-dihydroxyemodin, asperthecin, and asperbenzaldehyde. *Planta Medica*, **2014**, 80, 77-85	3.1	28
92	Analyzing Fungal Secondary Metabolite Genes and Gene Clusters **2014**, 171-193		3
91	Recent advances in genome mining of secondary metabolite biosynthetic gene clusters and the development of heterologous expression systems in Aspergillus nidulans. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 433-42	4.2	84
90	An efficient system for heterologous expression of secondary metabolite genes in Aspergillus nidulans. *Journal of the American Chemical Society*, **2013**, 135, 7720-31	16.4	146
89	Engineering fungal nonreducing polyketide synthase by heterologous expression and domain swapping. *Organic Letters*, **2013**, 15, 756-9	6.2	24
88	Molecular genetic characterization of the biosynthesis cluster of a prenylated isoindolinone alkaloid aspernidine A in Aspergillus nidulans. *Organic Letters*, **2013**, 15, 2862-5	6.2	29
87	Recent progress in the chemotherapy of human fungal diseases. Emphasis on 1,3-glucan synthase and chitin synthase inhibitors. *Current Medicinal Chemistry*, **2013**, 20, 4859-87	4.3	6
86	Overexpression of the Aspergillus nidulans histone 4 acetyltransferase EsaA increases activation of secondary metabolite production. *Molecular Microbiology*, **2012**, 86, 314-30	4.1	82
85	Identification and molecular genetic analysis of the cichorine gene cluster in. *MedChemComm*, **2012** , 3,	5	23
84	Molecular genetic characterization of a cluster in A. terreus for biosynthesis of the meroterpenoid terretonin. *Organic Letters*, **2012**, 14, 5684-7	6.2	72

83	Reengineering an azaphilone biosynthesis pathway in Aspergillus nidulans to create lipoxygenase inhibitors. *Organic Letters*, **2012**, 14, 972-5	6.2	32
82	Two separate gene clusters encode the biosynthetic pathway for the meroterpenoids austinol and dehydroaustinol in Aspergillus nidulans. *Journal of the American Chemical Society*, **2012**, 134, 4709-20	16.4	188
81	Tools for manipulation of secondary metabolism pathways: rapid promoter replacements and gene deletions in Aspergillus nidulans. *Methods in Molecular Biology*, **2012**, 944, 143-61	1.4	26
80	Molecular genetic analysis reveals that a nonribosomal peptide synthetase-like (NRPS-like) gene in Aspergillus nidulans is responsible for microperfuranone biosynthesis. *Applied Microbiology and Biotechnology*, **2012**, 96, 739-48	5.7	40
79	Illuminating the diversity of aromatic polyketide synthases in Aspergillus nidulans. *Journal of the American Chemical Society*, **2012**, 134, 8212-21	16.4	131
78	The functions of myosin II and myosin V homologs in tip growth and septation in Aspergillus nidulans. *PLoS ONE*, **2012**, 7, e31218	3.7	70
77	Tubulin plays a key role in inactivating APC/C(Cdh1) at the G(1)-S boundary. *Journal of Cell Biology* , **2012**, 198, 785-91	7.3	18
76	Genome-based deletion analysis reveals the prenyl xanthone biosynthesis pathway in Aspergillus nidulans. *Journal of the American Chemical Society*, **2011**, 133, 4010-7	16.4	134
75	Microtubule dynamics in mitosis in Aspergillus nidulans. *Fungal Genetics and Biology*, **2011**, 48, 998-9	3.9	8
74	Recent advances in awakening silent biosynthetic gene clusters and linking orphan clusters to natural products in microorganisms. *Current Opinion in Chemical Biology*, **2011**, 15, 137-43	9.7	160
73	Engineering of an "unnatural" natural product by swapping polyketide synthase domains in Aspergillus nidulans. *Journal of the American Chemical Society*, **2011**, 133, 13314-6	16.4	54
72	Cryptic Aspergillus nidulans antimicrobials. *Applied and Environmental Microbiology*, **2011**, 77, 3669-75	4.8	26
71	Gamma-tubulin regulates the anaphase-promoting complex/cyclosome during interphase. *Journal of Cell Biology*, **2010**, 190, 317-30	7.3	32
70	Telomere position effect is regulated by heterochromatin-associated proteins and NkuA in Aspergillus nidulans. *Microbiology (United Kingdom)*, **2010**, 156, 3522-3531	2.9	26
69	Characterization of the Aspergillus nidulans monodictyphenone gene cluster. *Applied and Environmental Microbiology*, **2010**, 76, 2067-74	4.8	124
68	Molecular genetic analysis of the orsellinic acid/F9775 gene cluster of Aspergillus nidulans. *Molecular BioSystems*, **2010**, 6, 587-93		98
67	Unraveling polyketide synthesis in members of the genus Aspergillus. *Applied Microbiology and Biotechnology*, **2010**, 86, 1719-36	5.7	68
66	In vivo analysis of the functions of gamma-tubulin-complex proteins. *Journal of Cell Science*, **2009**, 122, 4218-27	5.3	63

65	Timely septation requires SNAD-dependent spindle pole body localization of the septation initiation network components in the filamentous fungus Aspergillus nidulans. *Molecular Biology of the Cell*, **2009**, 20, 2874-84	3.5	36
64	Mlp1 acts as a mitotic scaffold to spatially regulate spindle assembly checkpoint proteins in Aspergillus nidulans. *Molecular Biology of the Cell*, **2009**, 20, 2146-59	3.5	54
63	Chromatin-level regulation of biosynthetic gene clusters. *Nature Chemical Biology*, **2009**, 5, 462-4	11.7	292
62	A gene cluster containing two fungal polyketide synthases encodes the biosynthetic pathway for a polyketide, asperfuranone, in Aspergillus nidulans. *Journal of the American Chemical Society*, **2009**, 131, 2965-70	16.4	226
61	The 2008 update of the Aspergillus nidulans genome annotation: a community effort. *Fungal Genetics and Biology*, **2009**, 46 Suppl 1, S2-13	3.9	82
60	Sumoylation in Aspergillus nidulans: sumO inactivation, overexpression and live-cell imaging. *Fungal Genetics and Biology*, **2008**, 45, 728-37	3.9	33
59	The tip growth apparatus of Aspergillus nidulans. *Molecular Biology of the Cell*, **2008**, 19, 1439-49	3.5	235
58	Identification and characterization of the asperthecin gene cluster of Aspergillus nidulans. *Applied and Environmental Microbiology*, **2008**, 74, 7607-12	4.8	126
57	Molecular genetic mining of the Aspergillus secondary metabolome: discovery of the emericellamide biosynthetic pathway. *Chemistry and Biology*, **2008**, 15, 527-32		161
56	A versatile and efficient gene-targeting system for Aspergillus nidulans. *Genetics*, **2006**, 172, 1557-66	4	475
55	Identification and analysis of essential Aspergillus nidulans genes using the heterokaryon rescue technique. *Nature Protocols*, **2006**, 1, 2517-26	18.8	108
54	Fusion PCR and gene targeting in Aspergillus nidulans. *Nature Protocols*, **2006**, 1, 3111-20	18.8	547
53	The role of microtubules in rapid hyphal tip growth of Aspergillus nidulans. *Molecular Biology of the Cell*, **2005**, 16, 918-26	3.5	160
52	Sequencing of Aspergillus nidulans and comparative analysis with A. fumigatus and A. oryzae. *Nature*, **2005**, 438, 1105-15	50.4	1094
51	Cytoplasmic dyneinŠs mitotic spindle pole localization requires a functional anaphase-promoting complex, gamma-tubulin, and NUDF/LIS1 in Aspergillus nidulans. *Molecular Biology of the Cell*, **2005** , 16, 3591-605	3.5	20
50	gamma-tubulin plays an essential role in the coordination of mitotic events. *Molecular Biology of the Cell*, **2004**, 15, 1374-86	3.5	56
49	Dual-Color imaging of nuclear division and mitotic spindle elongation in live cells of Aspergillus nidulans. *Eukaryotic Cell*, **2004**, 3, 553-6		16
48	Tubulins in Aspergillus nidulans. *Fungal Genetics and Biology*, **2004**, 41, 420-7	3.9	54

47	Spindle formation in Aspergillus is coupled to tubulin movement into the nucleus. *Molecular Biology of the Cell*, **2003**, 14, 2192-200	3.5	55
46	Microtubule nucleation. *Current Opinion in Cell Biology*, **2003**, 15, 111-7	9	162
45	Expression of Arabidopsis gamma-tubulin in fission yeast reveals conserved and novel functions of gamma-tubulin. *Plant Physiology*, **2003**, 133, 1926-34	6.6	18
44	Microtubule organization requires cell cycle-dependent nucleation at dispersed cytoplasmic sites: polar and perinuclear microtubule organizing centers in the plant pathogen Ustilago maydis. *Molecular Biology of the Cell*, **2003**, 14, 642-57	3.5	95
43	TINA interacts with the NIMA kinase in Aspergillus nidulans and negatively regulates astral microtubules during metaphase arrest. *Molecular Biology of the Cell*, **2003**, 14, 3169-79	3.5	29
42	Gamma-tubulin and the C-terminal motor domain kinesin-like protein, KLPA, function in the establishment of spindle bipolarity in Aspergillus nidulans. *Molecular Biology of the Cell*, **2001**, 12, 3161-74	3.5	43
41	Alanine-scanning mutagenesis of Aspergillus gamma-tubulin yields diverse and novel phenotypes. *Molecular Biology of the Cell*, **2001**, 12, 2119-36	3.5	54
40	Gamma tubulin in plant cells. *Methods in Cell Biology*, **2001**, 67, 195-212	1.8	17
39	Centrosome-independent mitotic spindle formation in vertebrates. *Current Biology*, **2000**, 10, 59-67	6.3	409
38	An abundance of tubulins. *Trends in Cell Biology*, **2000**, 10, 537-42	18.3	85
37	A mutation in gamma-tubulin alters microtubule dynamics and organization and is synthetically lethal with the kinesin-like protein pkl1p. *Molecular Biology of the Cell*, **2000**, 11, 1225-39	3.5	114
36	The gamma-tubulin gene family in humans. *Genomics*, **2000**, 67, 164-70	4.3	44
35	gamma-Tubulin. *Current Topics in Developmental Biology*, **2000**, 49, 27-54	5.3	72
34	Methods for isolating and analyzing mitotic mutants in Aspergillus nidulans. *Methods in Cell Biology*, **1999**, 61, 347-68	1.8	1
33	Unusual antimicrotubule activity of the antifungal agent spongistatin 1. *Antimicrobial Agents and Chemotherapy*, **1999**, 43, 1993-9	5.9	23
32	Gamma-tubulin at ten: progress and prospects. *Cell Structure and Function*, **1999**, 24, 365-72	2.2	37
31	Mitosis in wild-type and beta-tubulin mutant strains of Aspergillus nidulans. *Fungal Genetics and Biology*, **1998**, 24, 146-60	3.9	28
30	Characterization of gamma-tubulin complexes in Aspergillus nidulans and detection of putative gamma-tubulin interacting proteins. *Cytoskeleton*, **1997**, 37, 149-58		31

29	Tubulin and the fungal microtubule cytoskeleton. *Canadian Journal of Botany*, **1995**, 73, 352-358		6
28	Purification and characterization of assembly-competent tubulin from Aspergillus nidulans. *Biochemistry*, **1995**, 34, 6373-81	3.2	16
27	Gamma-tubulin: the microtubule organizer?. *Trends in Cell Biology*, **1992**, 2, 1-5	18.3	154
26	Amino acid alterations in the benA (beta-tubulin) gene of Aspergillus nidulans that confer benomyl resistance. *Cytoskeleton*, **1992**, 22, 170-4		122
25	Gamma-tubulin is present in Drosophila melanogaster and Homo sapiens and is associated with the centrosome. *Cell*, **1991**, 65, 817-23	56.2	389
24	Cell Cycle and Tubulin Mutations in Filamentous Fungi **1991**, 107-125		10
23	Pathogenicity and growth of Metarhizium anisopliae stably transformed to benomyl resistance. *Current Genetics*, **1990**, 17, 129-132	2.9	61
22	Identification of an amino acid substitution in the benA, beta-tubulin gene of Aspergillus nidulans that confers thiabendazole resistance and benomyl supersensitivity. *Cytoskeleton*, **1990**, 17, 87-94		87
21	Gamma-tubulin is a component of the spindle pole body that is essential for microtubule function in Aspergillus nidulans. *Cell*, **1990**, 61, 1289-301	56.2	508
20	Identification of gamma-tubulin, a new member of the tubulin superfamily encoded by mipA gene of Aspergillus nidulans. *Nature*, **1989**, 338, 662-4	50.4	546
19	Mitotic gene conversion, reciprocal recombination and gene replacement at the benA, beta-tubulin, locus of Aspergillus nidulans. *Molecular Genetics and Genomics*, **1988**, 213, 339-45		30
18	Cloning, mapping and molecular analysis of the pyrG (orotidine-5Sphosphate decarboxylase) gene of Aspergillus nidulans. *Gene*, **1987**, 61, 385-99	3.8	163
17	Cloning of the riboB locus of Aspergillus nidulans. *Gene*, **1987**, 53, 293-8	3.8	143
16	Conditionally lethal tubA alpha-tubulin mutations in Aspergillus nidulans. *Molecular Genetics and Genomics*, **1987**, 208, 135-44		29
15	Microtubule mutants. *Canadian Journal of Biochemistry and Cell Biology*, **1985**, 63, 479-88		23
14	Isolation and characterization of cold-sensitive mutations at the benA, beta-tubulin, locus of Aspergillus nidulans. *Molecular Genetics and Genomics*, **1985**, 201, 56-64		20
13	Molecular and genetic methods for studying mitosis and spindle proteins in Aspergillus nidulans. *Methods in Cell Biology*, **1982**, 25 Pt B, 107-30	1.8	11
12	A beta-tubulin mutation in Aspergillus nidulans that blocks microtubule function without blocking assembly. *Cell*, **1981**, 24, 837-45	56.2	166

11	Mitotic Mutants **1981**, 181-196		4
10	A simplified ultrasensitive silver stain for detecting proteins in polyacrylamide gels. *Analytical Biochemistry*, **1980**, 105, 361-3	3.1	3111
9	Nuclear movement is beta--tubulin-dependent in Aspergillus nidulans. *Cell*, **1980**, 19, 255-62	56.2	226
8	Evidence for a double-helically coiled toroidal chromonema in the dinoflagellate chromosome. *Chromosoma*, **1979**, 70, 277-291	2.8	47
7	Evidence for a new type of endosymbiotic organization in a population of the ciliate Mesodinium rubrum from British Columbia. *BioSystems*, **1978**, 10, 361-9	1.9	52
6	Some advantages and limitations of mitosis as a phylogenetic criterion. *BioSystems*, **1978**, 10, 59-64	1.9	18
5	Mitosis and cell division in Cryptomonas (Cryptophyceae). *Canadian Journal of Botany*, **1977**, 55, 2789-2800		32
4	The ultrastructure of mitosis inChroomonas salina (Cryptophyceae). *Protoplasma*, **1976**, 88, 241-254	3.4	43
3	Mitosis in the Cryptophyceae (reply). *Nature*, **1974**, 247, 300-300	50.4	2
2	Mitosis in the Crypyophyvrsr. *Nature*, **1973**, 244, 521-2	50.4	28
1	Functional characterization of clinical isolates of the opportunistic fungal pathogen Aspergillus nidulans		5