

# Perng-Kuang Chang

## List of Publications by Year in descending order

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55  
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186209

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docs citations

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times ranked

2154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clustered Pathway Genes in Aflatoxin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1253-1262.	1.4	713
2	Sequence breakpoints in the aflatoxin biosynthesis gene cluster and flanking regions in nonaflatoxigenic <i>Aspergillus flavus</i> isolates. <i>Fungal Genetics and Biology</i> , 2005, 42, 914-923.	0.9	219
3	Aflatoxin Biosynthesis Cluster Gene <i>cypA</i> Is Required for G Aflatoxin Formation. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6518-6524.	1.4	169
4	The <i>Aspergillus parasiticus</i> protein AFLJ interacts with the aflatoxin pathway-specific regulator AFLR. <i>Molecular Genetics and Genomics</i> , 2003, 268, 711-719.	1.0	148
5	Clustered genes involved in cyclopiazonic acid production are next to the aflatoxin biosynthesis gene cluster in <i>Aspergillus flavus</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 176-182.	0.9	125
6	Development and refinement of a high-efficiency gene-targeting system for <i>Aspergillus flavus</i> . <i>Journal of Microbiological Methods</i> , 2010, 81, 240-246.	0.7	109
7	Cyclopiazonic Acid Biosynthesis of <i>Aspergillus flavus</i> and <i>Aspergillus oryzae</i> . <i>Toxins</i> , 2009, 1, 74-99.	1.5	105
8	Loss of <i>msnA</i> , a Putative Stress Regulatory Gene, in <i>Aspergillus parasiticus</i> and <i>Aspergillus flavus</i> Increased Production of Conidia, Aflatoxins and Kojic Acid. <i>Toxins</i> , 2011, 3, 82-104.	1.5	88
9	Association of aflatoxin biosynthesis and sclerotial development in <i>Aspergillus parasiticus</i> . <i>Mycopathologia</i> , 2002, 153, 41-48.	1.3	84
10	Cladal relatedness among <i>Aspergillus oryzae</i> isolates and <i>Aspergillus flavus</i> S and L morphotype isolates. <i>International Journal of Food Microbiology</i> , 2006, 108, 172-177.	2.1	84
11	Deletion of the <i>Aspergillus flavus</i> Orthologue of <i>A. nidulans fluG</i> Reduces Conidiation and Promotes Production of Sclerotia but Does Not Abolish Aflatoxin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7557-7563.	1.4	79
12	Effects of <i>laeA</i> deletion on <i>Aspergillus flavus</i> conidial development and hydrophobicity may contribute to loss of aflatoxin production. <i>Fungal Biology</i> , 2012, 116, 298-307.	1.1	76
13	What does genetic diversity of <i>Aspergillus flavus</i> tell us about <i>Aspergillus oryzae</i> ?. <i>International Journal of Food Microbiology</i> , 2010, 138, 189-199.	2.1	75
14	<i>aflT</i> , a MFS transporter-encoding gene located in the aflatoxin gene cluster, does not have a significant role in aflatoxin secretion. <i>Fungal Genetics and Biology</i> , 2004, 41, 911-920.	0.9	74
15	<i>Aspergillus flavus</i> <i>VelB</i> acts distinctly from <i>VeA</i> in conidiation and may coordinate with <i>FluG</i> to modulate sclerotial production. <i>Fungal Genetics and Biology</i> , 2013, 58-59, 71-79.	0.9	72
16	Suppression of Aflatoxin Biosynthesis in <i>Aspergillus flavus</i> by 2-Phenylethanol Is Associated with Stimulated Growth and Decreased Degradation of Branched-Chain Amino Acids. <i>Toxins</i> , 2015, 7, 3887-3902.	1.5	69
17	Characterization of the <i>Aspergillus parasiticus</i> $\Delta^{12}$ -desaturase gene: a role for lipid metabolism in the <i>Aspergillus</i> "seed interaction. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2881-2888.	0.7	61
18	Genome-wide analysis of the Zn(II) <sub>2</sub> Cys <sub>6</sub> zinc cluster-encoding gene family in <i>Aspergillus flavus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4289-4300.	1.7	61

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19	Lack of interaction between AFLR and AFLJ contributes to nonaflatoxigenicity of <i>Aspergillus sojae</i> . <i>Journal of Biotechnology</i> , 2004, 107, 245-253.	1.9	59
20	Identification of genetic defects in the atoxigenic biocontrol strain <i>Aspergillus flavus</i> K49 reveals the presence of a competitive recombinant group in field populations. <i>International Journal of Food Microbiology</i> , 2012, 154, 192-196.	2.1	54
21	Pre-termination in aflR of <i>Aspergillus sojae</i> inhibits aflatoxin biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 585-589.	1.7	53
22	Repressor-AFLR interaction modulates aflatoxin biosynthesis in <i>Aspergillus parasiticus</i> . <i>Mycopathologia</i> , 1999, 147, 105-112.	1.3	49
23	Biosynthesis of conidial and sclerotial pigments in <i>Aspergillus</i> species. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2277-2286.	1.7	47
24	adhA in <i>Aspergillus parasiticus</i> Is Involved in Conversion of 5 $\alpha$ -Hydroxyaverantin to Averufin. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4715-4719.	1.4	40
25	Understanding nonaflatoxigenicity of <i>Aspergillus sojae</i> : a windfall of aflatoxin biosynthesis research. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 977-984.	1.7	38
26	A highly efficient gene-targeting system for <i>Aspergillus parasiticus</i> . <i>Letters in Applied Microbiology</i> , 2008, 46, 587-592.	1.0	36
27	Genes differentially expressed by <i>Aspergillus flavus</i> strains after loss of aflatoxin production by serial transfers. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 917-925.	1.7	34
28	Nonaflatoxigenic <i>Aspergillus flavus</i> TX9-8 competitively prevents aflatoxin accumulation by <i>A. flavus</i> isolates of large and small sclerotial morphotypes. <i>International Journal of Food Microbiology</i> , 2007, 114, 275-279.	2.1	32
29	Characterization of a partial duplication of the aflatoxin gene cluster in <i>Aspergillus parasiticus</i> ATCC 56775. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 632-636.	1.7	31
30	Are the Genes nadA and norB Involved in Formation of Aflatoxin G1?. <i>International Journal of Molecular Sciences</i> , 2008, 9, 1717-1729.	1.8	28
31	The <i>Aspergillus parasiticus</i> estA-Encoded Esterase Converts Versiconal Hemiacetal Acetate to Versiconal and Versiconol Acetate to Versiconol in Aflatoxin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3593-3599.	1.4	27
32	<i>Aspergillus flavus</i> GPI-anchored protein-encoding ecm33 has a role in growth, development, aflatoxin biosynthesis, and maize infection. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5209-5220.	1.7	27
33	Comparison of aflatoxin production of <i>Aspergillus flavus</i> at different temperatures and media: Proteome analysis based on TMT. <i>International Journal of Food Microbiology</i> , 2019, 310, 108313.	2.1	25
34	Monitoring Metabolite Production of Aflatoxin Biosynthesis by Orbitrap Fusion Mass Spectrometry and a D-Optimal Mixture Design Method. <i>Analytical Chemistry</i> , 2018, 90, 14331-14338.	3.2	24
35	<i>Aspergillus flavus</i> aswA, a gene homolog of <i>Aspergillus nidulans</i> oefC, regulates sclerotial development and biosynthesis of sclerotium-associated secondary metabolites. <i>Fungal Genetics and Biology</i> , 2017, 104, 29-37.	0.9	23
36	Characterization of aflatoxigenic and non-aflatoxigenic <i>Aspergillus flavus</i> isolates from pistachio. <i>Mycotoxin Research</i> , 2012, 28, 67-75.	1.3	20

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37	Transcriptomic profiles of <i>Aspergillus flavus</i> CA42, a strain that produces small sclerotia, by decanal treatment and after recovery. <i>Fungal Genetics and Biology</i> , 2014, 68, 39-47.	0.9	20
38	Cyclopiazonic acid biosynthesis by <i>Aspergillus flavus</i> . <i>Toxin Reviews</i> , 2011, 30, 79-89.	1.5	17
39	Identification of a copper-transporting ATPase involved in biosynthesis of <i>A. flavus</i> conidial pigment. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4889-4897.	1.7	17
40	Deletion of the Delta12-oleic acid desaturase gene of a nonaflatoxigenic <i>Aspergillus parasiticus</i> field isolate affects conidiation and sclerotial development. <i>Journal of Applied Microbiology</i> , 2004, 97, 1178-1184.	1.4	15
41	Genome-wide nucleotide variation distinguishes <i>Aspergillus flavus</i> from <i>Aspergillus oryzae</i> and helps to reveal origins of atoxigenic <i>A. flavus</i> biocontrol strains. <i>Journal of Applied Microbiology</i> , 2019, 127, 1511-1520.	1.4	15
42	Transcriptional Regulation of Aflatoxin Biosynthesis and Conidiation in <i>Aspergillus flavus</i> by <i>Wickerhamomyces anomalus</i> WRL-076 for Reduction of Aflatoxin Contamination. <i>Toxins</i> , 2019, 11, 81.	1.5	15
43	Two New <i>Aspergillus flavus</i> Reference Genomes Reveal a Large Insertion Potentially Contributing to Isolate Stress Tolerance and Aflatoxin Production. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3515-3531.	0.8	15
44	Development of an Enzyme-Linked Immunosorbent Assay Method Specific for the Detection of G-Group Aflatoxins. <i>Toxins</i> , 2016, 8, 5.	1.5	14
45	New Insights of Transcriptional Regulator AflR in <i>Aspergillus flavus</i> Physiology. <i>Microbiology Spectrum</i> , 2022, 10, e0079121.	1.2	14
46	Molasses supplementation promotes conidiation but suppresses aflatoxin production by small sclerotial <i>Aspergillus flavus</i> . <i>Letters in Applied Microbiology</i> , 2007, 44, 131-137.	1.0	11
47	High sequence variations in the region containing genes encoding a cellular morphogenesis protein and the repressor of sexual development help to reveal origins of <i>Aspergillus oryzae</i> . <i>International Journal of Food Microbiology</i> , 2015, 200, 66-71.	2.1	11
48	Deciphering the origin of <i>Aspergillus flavus</i> NRRL21882, the active biocontrol agent of <i>Afla-Guard</i> . <i>Letters in Applied Microbiology</i> , 2021, 72, 509-516.	1.0	11
49	Identification of AflR Binding Sites in the Genome of <i>Aspergillus flavus</i> by ChIP-Seq. <i>Journal of Fungi</i> (Basel, Switzerland), 2020, 6, 52.	1.5	9
50	Genetic Variability of <i>Aspergillus flavus</i> Isolates from a Mississippi Corn Field. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	8
51	<i>Aspergillus flavus</i> La3279, a component strain of the Aflasafe <sup>®</sup> biocontrol product, contains a partial aflatoxin biosynthesis gene cluster followed by a genomic region highly variable among <i>A. flavus</i> isolates. <i>International Journal of Food Microbiology</i> , 2022, 366, 109559.	2.1	7
52	The <i>Aspergillus flavus</i> fluP-associated metabolite promotes sclerotial production. <i>Fungal Biology</i> , 2016, 120, 1258-1268.	1.1	5
53	Authentication of <i>Aspergillus parasiticus</i> strains in the genome database of the National Center for Biotechnology Information. <i>BMC Research Notes</i> , 2021, 14, 111.	0.6	5
54	Genome Sequence of an <i>Aspergillus flavus</i> CA14 Strain That Is Widely Used in Gene Function Studies. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	4

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55	Prevalence of NRRL21882-like (Afla-Guard®) <i>Aspergillus flavus</i> on sesame seeds grown in research fields in the Mississippi Delta. <i>Biocontrol Science and Technology</i> , 2020, 30, 1090-1099.	0.5	4