

# Yiqun Deng

## List of Publications by Year in descending order

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88  
papers

2,561  
citations

172386

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233338

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docs citations

94  
times ranked

3190  
citing authors

#	ARTICLE	IF	CITATIONS
1	The metabolism and biotransformation of AFB1: Key enzymes and pathways. <i>Biochemical Pharmacology</i> , 2022, 199, 115005.	2.0	21
2	Inhibition of EZH2 and activation of ERR $\beta$ synergistically suppresses gastric cancer by inhibiting FOXM1 signaling pathway. <i>Gastric Cancer</i> , 2021, 24, 72-84.	2.7	16
3	Association between indoor microbiome exposure and sick building syndrome (SBS) in junior high schools of Johor Bahru, Malaysia. <i>Science of the Total Environment</i> , 2021, 753, 141904.	3.9	27
4	Antimicrobial resistance, virulence characteristics and genotypes of <i>Bacillus</i> spp. from probiotic products of diverse origins. <i>Food Research International</i> , 2021, 139, 109949.	2.9	24
5	Derived habitats of indoor microbes are associated with asthma symptoms in Chinese university dormitories. <i>Environmental Research</i> , 2021, 194, 110501.	3.7	18
6	Influenza A virus protein PA $\alpha$ suppresses host Ankrd17-mediated immune responses. <i>Microbiology and Immunology</i> , 2021, 65, 48-59.	0.7	3
7	Cell fate determined by the activation balance between PKR and SPHK1. <i>Cell Death and Differentiation</i> , 2021, 28, 401-418.	5.0	10
8	Quantitative proteomics implicates YggT in streptomycin resistance in <i>Salmonella enterica</i> serovar Enteritidis. <i>Biotechnology Letters</i> , 2021, 43, 919-932.	1.1	4
9	New Insights into the Virulence Traits and Antibiotic Resistance of Enterococci Isolated from Diverse Probiotic Products. <i>Microorganisms</i> , 2021, 9, 726.	1.6	6
10	Role of DNA methylation-related chromatin remodeling in aryl hydrocarbon receptor-dependent regulation of <i>CYP1A1</i> toxin highly inducible <i>Cytochrome P450 1A4</i> gene. <i>FASEB Journal</i> , 2021, 35, e21469.	0.2	4
11	Comparative Epigenomics Reveals Host Diversity of the <i>Trichinella</i> Epigenomes and Their Effects on Differential Parasitism. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 681839.	1.8	1
12	Indoor bacterial, fungal and viral species and functional genes in urban and rural schools in Shanxi Province, China—association with asthma, rhinitis and rhinoconjunctivitis in high school students. <i>Microbiome</i> , 2021, 9, 138.	4.9	34
13	T-2 Toxin Induces Oxidative Stress at Low Doses via Atf3 $\beta$ -Zfp2a/2b-Mediated Ubiquitination and Degradation of Nrf2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7936.	1.8	4
14	Cereulide Exposure Caused Cytopathogenic Damages of Liver and Kidney in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9148.	1.8	3
15	Chronic cereulide exposure causes intestinal inflammation and gut microbiota dysbiosis in mice. <i>Environmental Pollution</i> , 2021, 288, 117814.	3.7	11
16	Supreme Catalytic Properties of Enzyme Nanoparticles Based on Ferritin Self-Assembly. <i>ACS Applied Bio Materials</i> , 2020, 3, 7158-7167.	2.3	5
17	Deoxynivalenol Exposure Suppresses Adipogenesis by Inhibiting the Expression of Peroxisome Proliferator-Activated Receptor Gamma 2 (PPAR $\gamma$ 2) in 3T3-L1 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6300.	1.8	4
18	Aflatoxin B1 Induces Neurotoxicity through Reactive Oxygen Species Generation, DNA Damage, Apoptosis, and S-Phase Cell Cycle Arrest. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6517.	1.8	58

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19	Continental-Scale Microbiome Study Reveals Different Environmental Characteristics Determining Microbial Richness, Composition, and Quantity in Hotel Rooms. <i>MSystems</i> , 2020, 5, .	1.7	20
20	Low doses of deoxynivalenol inhibit the cell migration mediated by H3K27me3-targeted downregulation of TEM8 expression. <i>Biochemical Pharmacology</i> , 2020, 175, 113897.	2.0	6
21	Indoor microbiome, environmental characteristics and asthma among junior high school students in Johor Bahru, Malaysia. <i>Environment International</i> , 2020, 138, 105664.	4.8	50
22	Shotgun metagenomics of dust microbiome from flight deck and cabin in civil aviation aircraft. <i>Indoor Air</i> , 2020, 30, 1199-1212.	2.0	19
23	Dual Function of a Novel Bacterium, <i>Slackia</i> sp. D-G6: Detoxifying Deoxynivalenol and Producing the Natural Estrogen Analogue. <i>Equol. Toxins</i> , 2020, 12, 85.	1.5	25
24	<i>Lactobacillus rhamnosus</i> GG supplementation modulates the gut microbiota to promote butyrate production, protecting against deoxynivalenol exposure in nude mice. <i>Biochemical Pharmacology</i> , 2020, 175, 113868.	2.0	61
25	Identification of NOVA family proteins as novel $\beta$ -catenin RNA-binding proteins that promote epithelial-mesenchymal transition. <i>RNA Biology</i> , 2020, 17, 881-891.	1.5	16
26	Deoxynivalenol globally affects the selection of 3' splice sites in human cells by suppressing the splicing factors, U2AF1 and SF1. <i>RNA Biology</i> , 2020, 17, 584-595.	1.5	2
27	Associations between respiratory infections and bacterial microbiome in student dormitories in Northern China. <i>Indoor Air</i> , 2020, 30, 816-826.	2.0	20
28	Aromatic hydrocarbon receptor regulates chicken cytochrome P450 1A5 transcription: A novel insight into T-2 toxin-induced gene expression and cytotoxicity in LMH cells. <i>Biochemical Pharmacology</i> , 2019, 168, 319-329.	2.0	15
29	T-2 toxin upregulates the expression of human cytochrome P450 1A1 (CYP1A1) by enhancing NRF1 and Sp1 interaction. <i>Toxicology Letters</i> , 2019, 315, 77-86.	0.4	10
30	Variable protein homeostasis in housekeeping and non-housekeeping pathways under mycotoxins stress. <i>Scientific Reports</i> , 2019, 9, 7819.	1.6	7
31	T-2 toxin inhibits the production of mucin via activating the IRE1/XBP1 pathway. <i>Toxicology</i> , 2019, 424, 152230.	2.0	35
32	Phe-125 and Phe-226 of pig cytochrome P450 1A2 stabilize the binding of aflatoxin B1 and 7-ethoxyresorufin through the key CH/π interactions. <i>Biochemical Pharmacology</i> , 2019, 166, 292-299.	2.0	5
33	AhR regulates the expression of human cytochrome P450 1A1 (CYP1A1) by recruiting Sp1. <i>FEBS Journal</i> , 2019, 286, 4215-4231.	2.2	37
34	Deoxynivalenol induces inhibition of cell proliferation via the Wnt/ $\beta$ -catenin signaling pathway. <i>Biochemical Pharmacology</i> , 2019, 166, 12-22.	2.0	26
35	Aflatoxin B1 induces S phase arrest by upregulating the expression of p21 via MYC, PLK1 and PLD1. <i>Biochemical Pharmacology</i> , 2019, 166, 108-119.	2.0	11
36	Multiple CH/π Interactions Maintain the Binding of Aflatoxin B1 in the Active Cavity of Human Cytochrome P450 1A2. <i>Toxins</i> , 2019, 11, 158.	1.5	9

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37	Coordinated Transcriptional Regulation of Cytochrome P450 3As by Nuclear Transcription Factor Y and Specificity Protein 1. <i>Molecular Pharmacology</i> , 2019, 95, 507-518.	1.0	5
38	Detoxification of trichothecene mycotoxins by a novel bacterium, <i>Eggerthella</i> sp. DII-9. <i>Food and Chemical Toxicology</i> , 2018, 112, 310-319.	1.8	59
39	C9orf140, a novel Axin1-interacting protein, mediates the negative feedback loop of Wnt/ $\beta$ -catenin signaling. <i>Oncogene</i> , 2018, 37, 2992-3005.	2.6	15
40	EGR1 is essential for deoxynivalenol-induced G2/M cell cycle arrest in HepG2 cells via the ATF3 $\beta$ /Zip2a/2b-EGR1-p21 pathway. <i>Toxicology Letters</i> , 2018, 299, 95-103.	0.4	24
41	Sp1, Instead of AhR, Regulates the Basal Transcription of Porcine CYP1A1 at the Proximal Promoter. <i>Frontiers in Pharmacology</i> , 2018, 9, 927.	1.6	4
42	Subchronic reproductive effects of 6:2 chlorinated polyfluorinated ether sulfonate (6:2 Cl-PFAES), an alternative to PFOS, on adult male mice. <i>Journal of Hazardous Materials</i> , 2018, 358, 256-264.	6.5	36
43	The critical role of porcine cytochrome P450 3A46 in the bioactivation of aflatoxin B1. <i>Biochemical Pharmacology</i> , 2018, 156, 177-185.	2.0	12
44	JNK-AKT-NF- $\kappa$ B controls P-glycoprotein expression to attenuate the cytotoxicity of deoxynivalenol in mammalian cells. <i>Biochemical Pharmacology</i> , 2018, 156, 120-134.	2.0	25
45	Aflatoxin B1 Degradation and Detoxification by <i>Escherichia coli</i> CG1061 Isolated From Chicken Cecum. <i>Frontiers in Pharmacology</i> , 2018, 9, 1548.	1.6	45
46	Carrier-Mediated and Energy-Dependent Uptake and Efflux of Deoxynivalenol in Mammalian Cells. <i>Scientific Reports</i> , 2017, 7, 5889.	1.6	20
47	miR449a/SIRT1/PGC-1 $\beta$ Is Necessary for Mitochondrial Biogenesis Induced by T-2 Toxin. <i>Frontiers in Pharmacology</i> , 2017, 8, 954.	1.6	23
48	Bioactivation and Regioselectivity of Pig Cytochrome P450 3A29 towards Aflatoxin B1. <i>Toxins</i> , 2016, 8, 267.	1.5	19
49	TRAIIP regulates replication fork recovery and progression via PCNA. <i>Cell Discovery</i> , 2016, 2, 16016.	3.1	35
50	T-2 toxin induces the expression of porcine CYP3A22 via the upregulation of the transcription factor, NF-Y. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2191-2201.	1.1	11
51	Mycotoxins: cytotoxicity and biotransformation in animal cells. <i>Toxicology Research</i> , 2016, 5, 377-387.	0.9	60
52	Role of Specificity Protein 1, Hepatocyte Nuclear Factor 1 $\alpha$ , and Pregnane X Receptor in the Basal and Rifampicin-Induced Transcriptional Regulation of Porcine Cytochrome P450 3A46. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1458-1467.	1.7	13
53	Transcriptional regulation of chicken cytochrome P450 2D49 basal expression by CCAAT/enhancer-binding protein $\beta$ and hepatocyte nuclear factor $\alpha$ . <i>FEBS Journal</i> , 2014, 281, 1379-1392.	2.2	5
54	N-Oxide Reduction of Quinoxaline-1,4-Dioxides Catalyzed by Porcine Aldehyde Oxidase SsAOX1. <i>Drug Metabolism and Disposition</i> , 2014, 42, 511-519.	1.7	21

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55	Trp266 determines the binding specificity of a porcine aflatoxin B1 aldehyde reductase for aflatoxin B1-dialdehyde. <i>Biochemical Pharmacology</i> , 2013, 86, 1357-1365.	2.0	12
56	Chicken Cytochrome P450 1A5 Is the Key Enzyme for Metabolizing T-2 Toxin to 3'OH-T-2. <i>International Journal of Molecular Sciences</i> , 2013, 14, 10809-10818.	1.8	27
57	The ubiquitin specific protease USP34 promotes ubiquitin signaling at DNA double-strand breaks. <i>Nucleic Acids Research</i> , 2013, 41, 8572-8580.	6.5	58
58	Proteomic changes in chicken primary hepatocytes exposed to T-2 toxin are associated with oxidative stress and mitochondrial enhancement. <i>Proteomics</i> , 2013, 13, 3175-3188.	1.3	34
59	Ring Finger Protein RNF169 Antagonizes the Ubiquitin-dependent Signaling Cascade at Sites of DNA Damage. <i>Journal of Biological Chemistry</i> , 2012, 287, 27715-27722.	1.6	63
60	Carbonyl Reduction of Mequindox by Chicken and Porcine Cytosol and Cloned Carbonyl Reductase 1. <i>Drug Metabolism and Disposition</i> , 2012, 40, 788-795.	1.7	5
61	Mequindox induced cellular DNA damage via generation of reactive oxygen species. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 741, 70-75.	0.9	33
62	Functional Characterization of a First Avian Cytochrome P450 of the CYP2D Subfamily (CYP2D49). <i>PLoS ONE</i> , 2012, 7, e38395.	1.1	10
63	The mechanism of enzymatic and non-enzymatic N-oxide reductive metabolism of cyadox in pig liver. <i>Xenobiotica</i> , 2011, 41, 964-971.	0.5	23
64	Catalytic characteristics of CYP3A22-dependent mequindox detoxification. <i>Catalysis Communications</i> , 2011, 12, 637-643.	1.6	12
65	CYP3As catalyze nifedipine oxidation in pig liver microsomes: Enzyme kinetics, inhibition and functional expression. <i>Catalysis Communications</i> , 2011, 12, 694-697.	1.6	12
66	Glu659Leu substitution of recombinant HIV fusion inhibitor C52L induces soluble expression in <i>Escherichia coli</i> with equivalent anti-HIV potency. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 545-551.	1.0	2
67	Critical Roles of Ring Finger Protein RNF8 in Replication Stress Responses. <i>Journal of Biological Chemistry</i> , 2011, 286, 22355-22361.	1.6	29
68	Integrated Transcriptional and Proteomic Analysis with In Vitro Biochemical Assay Reveal the Important Role of CYP3A46 in T-2 Toxin Hydroxylation in Porcine Primary Hepatocytes. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.008748.	2.5	39
69	Role of a Putative gp41 Dimerization Domain in Human Immunodeficiency Virus Type 1 Membrane Fusion. <i>Journal of Virology</i> , 2010, 84, 201-209.	1.5	16
70	The catalytic activity of cytochrome P450 3A22 is critical for the metabolism of T-2 toxin in porcine reservoirs. <i>Catalysis Communications</i> , 2010, 12, 71-75.	1.6	27
71	Detailed Mechanistic Insights into HIV-1 Sensitivity to Three Generations of Fusion Inhibitors. <i>Journal of Biological Chemistry</i> , 2009, 284, 26941-26950.	1.6	71
72	Structure of the HIV-1 gp41 Membrane-Proximal Ectodomain Region in a Putative Prefusion Conformation. <i>Biochemistry</i> , 2009, 48, 2915-2923.	1.2	59

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73	A Heterospecific Leucine Zipper Tetramer. <i>Chemistry and Biology</i> , 2008, 15, 908-919.	6.2	15
74	Selection of T1249-Resistant Human Immunodeficiency Virus Type 1 Variants. <i>Journal of Virology</i> , 2008, 82, 6678-6688.	1.5	76
75	Molecular Determinants of Antiviral Potency of Paramyxovirus Entry Inhibitors. <i>Journal of Virology</i> , 2007, 81, 10567-10574.	1.5	70
76	Conformational Specificity of the <i>Lac</i> Repressor Coiled-Coil Tetramerization Domain. <i>Biochemistry</i> , 2007, 46, 14951-14959.	1.2	21
77	Protein Design of a Bacterially Expressed HIV-1 gp41 Fusion Inhibitor. <i>Biochemistry</i> , 2007, 46, 4360-4369.	1.2	48
78	Core Structure of S2 from the Human Coronavirus NL63 Spike Glycoprotein. <i>Biochemistry</i> , 2006, 45, 15205-15215.	1.2	49
79	A Parallel Coiled-Coil Tetramer with Offset Helices. <i>Biochemistry</i> , 2006, 45, 15224-15231.	1.2	37
80	Conformational Transition between Four and Five-stranded Phenylalanine Zippers Determined by a Local Packing Interaction. <i>Journal of Molecular Biology</i> , 2006, 361, 168-179.	2.0	45
81	Self-assembly of coiled-coil tetramers in the 1.40 Å structure of a leucine-zipper mutant. <i>Protein Science</i> , 2006, 16, 323-328.	3.1	16
82	Antiparallel Four-Stranded Coiled Coil Specified by a 3-3-1 Hydrophobic Heptad Repeat. <i>Structure</i> , 2006, 14, 247-255.	1.6	62
83	Structures and Polymorphic Interactions of Two Heptad-Repeat Regions of the SARS Virus S2 Protein. <i>Structure</i> , 2006, 14, 889-899.	1.6	48
84	A seven-helix coiled coil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15457-15462.	3.3	211
85	Topology characterization of a benzodiazepine-binding $\beta^2$ -rich domain of the GABA <sub>A</sub> receptor $\alpha 1$ subunit. <i>Protein Science</i> , 2005, 14, 2622-2637.	3.1	3
86	Atomic structure of a tryptophan-zipper pentamer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16156-16161.	3.3	77
87	Emergence of a Drug-Dependent Human Immunodeficiency Virus Type 1 Variant during Therapy with the T20 Fusion Inhibitor. <i>Journal of Virology</i> , 2004, 78, 12428-12437.	1.5	133
88	Structure and Protein Design of a Human Platelet Function Inhibitor. <i>Cell</i> , 2004, 116, 649-659.	13.5	51