

Yiqun Deng

List of Publications by Year in descending order

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88
papers

2,561
citations

172457

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233421

45
g-index

94
all docs

94
docs citations

94
times ranked

3190
citing authors

#	ARTICLE	IF	CITATIONS
1	A seven-helix coiled coil. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15457-15462.	7.1	211
2	Emergence of a Drug-Dependent Human Immunodeficiency Virus Type 1 Variant during Therapy with the T20 Fusion Inhibitor. Journal of Virology, 2004, 78, 12428-12437.	3.4	133
3	Atomic structure of a tryptophan-zipper pentamer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16156-16161.	7.1	77
4	Selection of T1249-Resistant Human Immunodeficiency Virus Type 1 Variants. Journal of Virology, 2008, 82, 6678-6688.	3.4	76
5	Detailed Mechanistic Insights into HIV-1 Sensitivity to Three Generations of Fusion Inhibitors. Journal of Biological Chemistry, 2009, 284, 26941-26950.	3.4	71
6	Molecular Determinants of Antiviral Potency of Paramyxovirus Entry Inhibitors. Journal of Virology, 2007, 81, 10567-10574.	3.4	70
7	Ring Finger Protein RNF169 Antagonizes the Ubiquitin-dependent Signaling Cascade at Sites of DNA Damage. Journal of Biological Chemistry, 2012, 287, 27715-27722.	3.4	63
8	Antiparallel Four-Stranded Coiled Coil Specified by a 3-3-1 Hydrophobic Heptad Repeat. Structure, 2006, 14, 247-255.	3.3	62
9	Lactobacillus rhamnosus CG supplementation modulates the gut microbiota to promote butyrate production, protecting against deoxynivalenol exposure in nude mice. Biochemical Pharmacology, 2020, 175, 113868.	4.4	61
10	Mycotoxins: cytotoxicity and biotransformation in animal cells. Toxicology Research, 2016, 5, 377-387.	2.1	60
11	Structure of the HIV-1 gp41 Membrane-Proximal Ectodomain Region in a Putative Prefusion Conformation. Biochemistry, 2009, 48, 2915-2923.	2.5	59
12	Detoxification of trichothecene mycotoxins by a novel bacterium, Eggerthella sp. DII-9. Food and Chemical Toxicology, 2018, 112, 310-319.	3.6	59
13	The ubiquitin specific protease USP34 promotes ubiquitin signaling at DNA double-strand breaks. Nucleic Acids Research, 2013, 41, 8572-8580.	14.5	58
14	Aflatoxin B1 Induces Neurotoxicity through Reactive Oxygen Species Generation, DNA Damage, Apoptosis, and S-Phase Cell Cycle Arrest. International Journal of Molecular Sciences, 2020, 21, 6517.	4.1	58
15	Structure and Protein Design of a Human Platelet Function Inhibitor. Cell, 2004, 116, 649-659.	28.9	51
16	Indoor microbiome, environmental characteristics and asthma among junior high school students in Johor Bahru, Malaysia. Environment International, 2020, 138, 105664.	10.0	50
17	Core Structure of S2 from the Human Coronavirus NL63 Spike Glycoprotein. Biochemistry, 2006, 45, 15205-15215.	2.5	49
18	Structures and Polymorphic Interactions of Two Heptad-Repeat Regions of the SARS Virus S2 Protein. Structure, 2006, 14, 889-899.	3.3	48

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19	Protein Design of a Bacterially Expressed HIV-1 gp41 Fusion Inhibitor. <i>Biochemistry</i> , 2007, 46, 4360-4369.	2.5	48
20	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.	4.2	45
21	Aflatoxin B1 Degradation and Detoxification by <i>Escherichia coli</i> CG1061 Isolated From Chicken Cecum. <i>Frontiers in Pharmacology</i> , 2018, 9, 1548.	3.5	45
22	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.	3.8	39
23	A Parallel Coiled-Coil Tetramer with Offset Helices. <i>Biochemistry</i> , 2006, 45, 15224-15231.	2.5	37
24	AhR regulates the expression of human cytochrome P450 1A1 (<i>CYP1A1</i>) by recruiting Sp1. <i>FEBS Journal</i> , 2019, 286, 4215-4231.	4.7	37
25	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.	12.4	36
26	TRAIP regulates replication fork recovery and progression via PCNA. <i>Cell Discovery</i> , 2016, 2, 16016.	6.7	35
27	T-2 toxin inhibits the production of mucin via activating the IRE1/XBP1 pathway. <i>Toxicology</i> , 2019, 424, 152230.	4.2	35
28	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.	2.2	34
29	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.	11.1	34
30	Mequindox induced cellular DNA damage via generation of reactive oxygen species. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 741, 70-75.	1.7	33
31	Critical Roles of Ring Finger Protein RNF8 in Replication Stress Responses. <i>Journal of Biological Chemistry</i> , 2011, 286, 22355-22361.	3.4	29
32	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.	3.3	27
33	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.	4.1	27
34	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.	8.0	27
35	Deoxynivalenol induces inhibition of cell proliferation via the Wnt/ β -catenin signaling pathway. <i>Biochemical Pharmacology</i> , 2019, 166, 12-22.	4.4	26
36	JNK-AKT-NF- κ B controls P-glycoprotein expression to attenuate the cytotoxicity of deoxynivalenol in mammalian cells. <i>Biochemical Pharmacology</i> , 2018, 156, 120-134.	4.4	25

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37	Dual Function of a Novel Bacterium, <i>Slackia</i> sp. D-G6: Detoxifying Deoxynivalenol and Producing the Natural Estrogen Analogue, <i>Equol</i> . <i>Toxins</i> , 2020, 12, 85.	3.4	25
38	EGR1 is essential for deoxynivalenol-induced G2/M cell cycle arrest in HepG2 cells via the ATF3 ¹ Zip2a/2b-EGR1-p21 pathway. <i>Toxicology Letters</i> , 2018, 299, 95-103.	0.8	24
39	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.	6.2	24
40	The mechanism of enzymatic and non-enzymatic N-oxide reductive metabolism of cyadox in pig liver. <i>Xenobiotica</i> , 2011, 41, 964-971.	1.1	23
41	miR449a/SIRT1/PGC-1 β Is Necessary for Mitochondrial Biogenesis Induced by T-2 Toxin. <i>Frontiers in Pharmacology</i> , 2017, 8, 954.	3.5	23
42	Conformational Specificity of the <i>Lac</i> Repressor Coiled-Coil Tetramerization Domain. <i>Biochemistry</i> , 2007, 46, 14951-14959.	2.5	21
43	N-Oxide Reduction of Quinoxaline-1,4-Dioxides Catalyzed by Porcine Aldehyde Oxidase SsAOX1. <i>Drug Metabolism and Disposition</i> , 2014, 42, 511-519.	3.3	21
44	The metabolism and biotransformation of AFB1: Key enzymes and pathways. <i>Biochemical Pharmacology</i> , 2022, 199, 115005.	4.4	21
45	Carrier-Mediated and Energy-Dependent Uptake and Efflux of Deoxynivalenol in Mammalian Cells. <i>Scientific Reports</i> , 2017, 7, 5889.	3.3	20
46	Continental-Scale Microbiome Study Reveals Different Environmental Characteristics Determining Microbial Richness, Composition, and Quantity in Hotel Rooms. <i>MSystems</i> , 2020, 5, .	3.8	20
47	Associations between respiratory infections and bacterial microbiome in student dormitories in Northern China. <i>Indoor Air</i> , 2020, 30, 816-826.	4.3	20
48	Bioactivation and Regioselectivity of Pig Cytochrome P450 3A29 towards Aflatoxin B1. <i>Toxins</i> , 2016, 8, 267.	3.4	19
49	Shotgun metagenomics of dust microbiome from flight deck and cabin in civil aviation aircraft. <i>Indoor Air</i> , 2020, 30, 1199-1212.	4.3	19
50	Derived habitats of indoor microbes are associated with asthma symptoms in Chinese university dormitories. <i>Environmental Research</i> , 2021, 194, 110501.	7.5	18
51	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.	7.6	16
52	Role of a Putative gp41 Dimerization Domain in Human Immunodeficiency Virus Type 1 Membrane Fusion. <i>Journal of Virology</i> , 2010, 84, 201-209.	3.4	16
53	Identification of NOVA family proteins as novel β -catenin RNA-binding proteins that promote epithelial-mesenchymal transition. <i>RNA Biology</i> , 2020, 17, 881-891.	3.1	16
54	Inhibition of EZH2 and activation of ERR β synergistically suppresses gastric cancer by inhibiting FOXM1 signaling pathway. <i>Gastric Cancer</i> , 2021, 24, 72-84.	5.3	16

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55	A Heterospecific Leucine Zipper Tetramer. <i>Chemistry and Biology</i> , 2008, 15, 908-919.	6.0	15
56	C9orf140, a novel Axin1-interacting protein, mediates the negative feedback loop of Wnt/ β -catenin signaling. <i>Oncogene</i> , 2018, 37, 2992-3005.	5.9	15
57	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.	4.4	15
58	Role of Specificity Protein 1, Hepatocyte Nuclear Factor 1 <i>α</i> , 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.	3.3	13
59	Catalytic characteristics of CYP3A22-dependent mequindox detoxification. <i>Catalysis Communications</i> , 2011, 12, 637-643.	3.3	12
60	CYP3As catalyze nifedipine oxidation in pig liver microsomes: Enzyme kinetics, inhibition and functional expression. <i>Catalysis Communications</i> , 2011, 12, 694-697.	3.3	12
61	Trp266 determines the binding specificity of a porcine aflatoxin B1 aldehyde reductase for aflatoxin B1-dialdehyde. <i>Biochemical Pharmacology</i> , 2013, 86, 1357-1365.	4.4	12
62	The critical role of porcine cytochrome P450 3A46 in the bioactivation of aflatoxin B1. <i>Biochemical Pharmacology</i> , 2018, 156, 177-185.	4.4	12
63	T-2 toxin induces the expression of porcine CYP3A22 via the upregulation of the transcription factor, NF- κ B. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2191-2201.	2.4	11
64	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.	4.4	11
65	Chronic cereulide exposure causes intestinal inflammation and gut microbiota dysbiosis in mice. <i>Environmental Pollution</i> , 2021, 288, 117814.	7.5	11
66	Functional Characterization of a First Avian Cytochrome P450 of the CYP2D Subfamily (CYP2D49). <i>PLoS ONE</i> , 2012, 7, e38395.	2.5	10
67	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.	0.8	10
68	Cell fate determined by the activation balance between PKR and SPHK1. <i>Cell Death and Differentiation</i> , 2021, 28, 401-418.	11.2	10
69	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.	3.4	9
70	Variable protein homeostasis in housekeeping and non-housekeeping pathways under mycotoxins stress. <i>Scientific Reports</i> , 2019, 9, 7819.	3.3	7
71	Low doses of deoxynivalenol inhibit the cell migration mediated by H3K27me3-targeted downregulation of TEM8 expression. <i>Biochemical Pharmacology</i> , 2020, 175, 113897.	4.4	6
72	New Insights into the Virulence Traits and Antibiotic Resistance of Enterococci Isolated from Diverse Probiotic Products. <i>Microorganisms</i> , 2021, 9, 726.	3.6	6

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73	Carbonyl Reduction of Mequindox by Chicken and Porcine Cytosol and Cloned Carbonyl Reductase 1. Drug Metabolism and Disposition, 2012, 40, 788-795.	3.3	5
74	Transcriptional regulation of chicken cytochrome P450 2D49 basal expression by CCAAT/enhancer-binding protein and hepatocyte nuclear factor. FEBS Journal, 2014, 281, 1379-1392.	4.7	5
75	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. Biochemical Pharmacology, 2019, 166, 292-299.	4.4	5
76	Coordinated Transcriptional Regulation of Cytochrome P450 3As by Nuclear Transcription Factor Y and Specificity Protein 1. Molecular Pharmacology, 2019, 95, 507-518.	2.3	5
77	Supreme Catalytic Properties of Enzyme Nanoparticles Based on Ferritin Self-Assembly. ACS Applied Bio Materials, 2020, 3, 7158-7167.	4.6	5
78	Sp1, Instead of AhR, Regulates the Basal Transcription of Porcine CYP1A1 at the Proximal Promoter. Frontiers in Pharmacology, 2018, 9, 927.	3.5	4
79	Deoxynivalenol Exposure Suppresses Adipogenesis by Inhibiting the Expression of Peroxisome Proliferator-Activated Receptor Gamma 2 (PPAR γ 2) in 3T3-L1 Cells. International Journal of Molecular Sciences, 2020, 21, 6300.	4.1	4
80	Quantitative proteomics implicates YggT in streptomycin resistance in Salmonella enterica serovar Enteritidis. Biotechnology Letters, 2021, 43, 919-932.	2.2	4
81	Role of DNA methylation-related chromatin remodeling in aryl hydrocarbon receptor-dependent regulation of T α 2 toxin highly inducible CYP1A4 gene. FASEB Journal, 2021, 35, e21469.	0.5	4
82	T-2 Toxin Induces Oxidative Stress at Low Doses via Atf3 β Zip2a/2b-Mediated Ubiquitination and Degradation of Nrf2. International Journal of Molecular Sciences, 2021, 22, 7936.	4.1	4
83	Topology characterization of a benzodiazepine-binding β -rich domain of the GABA β 1 subunit. Protein Science, 2005, 14, 2622-2637.	7.6	3
84	Influenza A virus protein PA α suppresses host Ankrd17-mediated immune responses. Microbiology and Immunology, 2021, 65, 48-59.	1.4	3
85	Cereulide Exposure Caused Cytopathogenic Damages of Liver and Kidney in Mice. International Journal of Molecular Sciences, 2021, 22, 9148.	4.1	3
86	Glu659Leu substitution of recombinant HIV fusion inhibitor C52L induces soluble expression in Escherichia coli with equivalent anti-HIV potency. Protein Engineering, Design and Selection, 2011, 24, 545-551.	2.1	2
87	Deoxynivalenol globally affects the selection of 3 α splice sites in human cells by suppressing the splicing factors, U2AF1 and SF1. RNA Biology, 2020, 17, 584-595.	3.1	2
88	Comparative Epigenomics Reveals Host Diversity of the Trichinella Epigenomes and Their Effects on Differential Parasitism. Frontiers in Cell and Developmental Biology, 2021, 9, 681839.	3.7	1