## Pan Deng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	An ABA-mimicking ligand that reduces water loss and promotes drought resistance in plants. Cell Research, 2013, 23, 1043-1054.	12.0	167
2	Metabolism and Pharmacokinetics of 3- <i>n</i> -Butylphthalide (NBP) in Humans: The Role of Cytochrome P450s and Alcohol Dehydrogenase in Biotransformation. Drug Metabolism and Disposition, 2013, 41, 430-444.	3.3	99
3	Noninvasive liquid diet delivery of stable isotopes into mouse models for deep metabolic network tracing. Nature Communications, 2017, 8, 1646.	12.8	74
4	Bioanalysis of an oligonucleotide and its metabolites by liquid chromatography–tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 571-579.	2.8	70
5	Derivatization methods for quantitative bioanalysis by LC–MS/MS. Bioanalysis, 2012, 4, 49-69.	1.5	63
6	Pharmacokinetics, Metabolism, and Excretion of the Antiviral Drug Arbidol in Humans. Antimicrobial Agents and Chemotherapy, 2013, 57, 1743-1755.	3.2	63
7	Hepatic metabolomics reveals that liver injury increases PCB 126-induced oxidative stress and metabolic dysfunction. Chemosphere, 2019, 217, 140-149.	8.2	61
8	De novo synthesis of serine and glycine fuels purine nucleotide biosynthesis in human lung cancer tissues. Journal of Biological Chemistry, 2019, 294, 13464-13477.	3.4	58
9	Spermine synthase and MYC cooperate to maintain colorectal cancer cell survival by repressing Bim expression. Nature Communications, 2020, 11, 3243.	12.8	55
10	Discovery of glycerol phosphate modification on streptococcal rhamnose polysaccharides. Nature Chemical Biology, 2019, 15, 463-471.	8.0	53
11	Derivatization methods for LC–MS analysis of endogenous compounds. Bioanalysis, 2015, 7, 2557-2581.	1.5	52
12	ldentification of Amiodarone Metabolites in Human Bile by Ultraperformance Liquid Chromatography/Quadrupole Time-of-Flight Mass Spectrometry. Drug Metabolism and Disposition, 2011, 39, 1058-1069.	3.3	51
13	XX sex chromosome complement promotes atherosclerosis in mice. Nature Communications, 2019, 10, 2631.	12.8	48
14	Application of metabolomics to characterize environmental pollutant toxicity and disease risks. Reviews on Environmental Health, 2019, 34, 251-259.	2.4	37
15	Aldehyde Oxidase Mediated Metabolism in Drug-like Molecules: A Combined Computational and Experimental Study. Journal of Medicinal Chemistry, 2017, 60, 2973-2982.	6.4	34
16	Identification of Amino Acid and Glutathione <i>N</i> -Conjugates of Toosendanin: Bioactivation of the Furan Ring Mediated by CYP3A4. Chemical Research in Toxicology, 2014, 27, 1598-1609.	3.3	33
17	The molecular mechanism of N-acetylglucosamine side-chain attachment to the Lancefield group A carbohydrate in Streptococcus pyogenes. Journal of Biological Chemistry, 2017, 292, 19441-19457.	3.4	33
18	Simultaneous determination of capecitabine and its three nucleoside metabolites in human plasma by high performance liquid chromatography–tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 989, 71-79.	2.3	28

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19	Evidence for the Bioactivation of 4-Nonylphenol to Quinone Methide and <i>ortho</i> -Benzoquinone Metabolites in Human Liver Microsomes. Chemical Research in Toxicology, 2010, 23, 1617-1628.	3.3	27
20	Development and validation of a liquid chromatography–tandem mass spectrometry method for the determination of febuxostat in human plasma. Biomedical Chromatography, 2013, 27, 34-38.	1.7	23
21	Dietary inulin decreases circulating ceramides by suppressing neutral sphingomyelinase expression and activity in mice. Journal of Lipid Research, 2020, 61, 45-53.	4.2	21
22	Simultaneous determination of amodiaquine and its active metabolite in human blood by ion-pair liquid chromatography–tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 860, 18-25.	2.3	20
23	Determination of tropisetron in human plasma by liquid chromatography–tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 848-852.	2.8	20
24	Quantitative profiling of carbonyl metabolites directly in crude biological extracts using chemoselective tagging and nanoESI-FTMS. Analyst, The, 2018, 143, 311-322.	3.5	20
25	Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice. Environmental Pollution, 2020, 261, 114183.	7.5	20
26	Validated LC–MS/MS method for quantitative determination of rasagiline in human plasma and its application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 873, 203-208.	2.3	19
27	Metabolism of Flumatinib, a Novel Antineoplastic Tyrosine Kinase Inhibitor, in Chronic Myelogenous Leukemia Patients. Drug Metabolism and Disposition, 2010, 38, 1328-1340.	3.3	16
28	Characterization of ornidazole metabolites in human bile after intraveneous doses by ultraperformance liquid chromatography/quadrupole time-of-flight mass spectrometry. Acta Pharmaceutica Sinica B, 2012, 2, 159-167.	12.0	16
29	Characterization of metabolites of GLS4 in humans using ultrahighâ€performance liquid chromatography/quadrupole timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 2483-2492.	1.5	16
30	Untargeted Stable Isotope Probing of the Gut Microbiota Metabolome Using <sup>13</sup> C-Labeled Dietary Fibers. Journal of Proteome Research, 2021, 20, 2904-2913.	3.7	16
31	Physicochemical Properties and Evaluation of Microemulsion Systems for Transdermal Delivery of Meloxicam. Chemical Research in Chinese Universities, 2007, 23, 81-86.	2.6	15
32	Co-exposure to PCB126 and PFOS increases biomarkers associated with cardiovascular disease risk and liver injury in mice. Toxicology and Applied Pharmacology, 2020, 409, 115301.	2.8	15
33	Quantification of polar drugs in human plasma with liquid chromatography–tandem mass spectrometry. Bioanalysis, 2009, 1, 187-203.	1.5	14
34	Analysis of diacylglycerols by ultra performance liquid chromatography-quadrupole time-of-flight mass spectrometry: Double bond location and isomers separation. Analytica Chimica Acta, 2016, 925, 23-33.	5.4	13
35	Simultaneous determination of 6R-leucovorin, 6S-leucovorin and 5-methyltetrahydrofolate in human plasma using solid phase extraction and chiral liquid chromatography–tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 902-910.	2.3	12
36	The late stage of COPI vesicle fission requires shorter forms of phosphatidic acid and diacylglycerol. Nature Communications, 2019, 10, 3409.	12.8	11

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37	Characterization of TPN729 metabolites in humans using ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 217-226.	2.8	10
38	Hydrolytic Metabolism of Cyanopyrrolidine DPP-4 Inhibitors Mediated by Dipeptidyl Peptidases. Drug Metabolism and Disposition, 2019, 47, 238-248.	3.3	6
39	Healthful nutrition as a prevention and intervention paradigm to decrease the vulnerability to environmental toxicity or stressors and associated inflammatory disease risks. Food Frontiers, 2020, 1, 13-14.	7.4	6
40	EBF1 promotes triple-negative breast cancer progression by surveillance of the HIF11 $\pm$ pathway. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	4
41	Determination of arotinoid acid in human plasma by liquid chromatography–tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2983-2988.	2.3	3
42	The consequence and mechanism of dietary flavonoids on androgen profiles and disorders amelioration. Critical Reviews in Food Science and Nutrition, 2023, 63, 11327-11350.	10.3	2
43	Abstract 2502: Liquid diet introduction of tracers into mice for stable isotope-resolved metabolomics (SIRM) investigations. , 2017, , .		0