

Jian-Ping Cai

List of Publications by Year in descending order

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73
papers

1,330
citations

394421

19
h-index

414414

32
g-index

75
all docs

75
docs citations

75
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Mouse MTH2 protein which prevents mutations caused by 8-oxoguanine nucleotides. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 1073-1077.	2.1	101
2	Prevalence and Incidence of Heart Failure Among Urban Patients in China: A National Population-Based Analysis. <i>Circulation: Heart Failure</i> , 2021, 14, e008406.	3.9	87
3	Age-dependent increases in the oxidative damage of DNA, RNA, and their metabolites in normal and senescence-accelerated mice analyzed by LC-MS/MS: Urinary 8-oxoguanosine as a novel biomarker of aging. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1700-1707.	2.9	81
4	High-Resolution Analyses of Human Leukocyte Antigens Allele and Haplotype Frequencies Based on 169,995 Volunteers from the China Bone Marrow Donor Registry Program. <i>PLoS ONE</i> , 2015, 10, e0139485.	2.5	70
5	Age-Dependent Accumulation of 8-Oxoguanine in the DNA and RNA in Various Rat Tissues. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-9.	4.0	66
6	Transcriptional mutagenesis mediated by 8-oxoG induces translational errors in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4218-4222.	7.1	56
7	In vitro functional characterization of 37 CYP2C9 allelic isoforms found in Chinese Han population. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 1449-1456.	6.1	52
8	Systematic screening for CYP3A4 genetic polymorphisms in a Han Chinese population. <i>Pharmacogenomics</i> , 2017, 18, 369-379.	1.3	51
9	Urinary 8-oxo-7,8-dihydroguanosine as a Potential Biomarker of Aging. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 34.	3.4	44
10	Oxidative damage of DNA, RNA and their metabolites in leukocytes, plasma and urine of <i>Macaca mulatta</i> : 8-oxoguanosine in urine is a useful marker for aging. <i>Free Radical Research</i> , 2012, 46, 1093-1098.	3.3	37
11	Oxidative Damage to RNA and Expression Patterns of MTH1 in the Hippocampi of Senescence-Accelerated SAMP8 Mice and Alzheimer's Disease Patients. <i>Neurochemical Research</i> , 2011, 36, 1558-1565.	3.3	36
12	In Vitro Assessment of 36 CYP2C9 Allelic Isoforms Found in the Chinese Population on the Metabolism of Glimepiride. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 114, 305-310.	2.5	32
13	Functional assessment of CYP3A4 allelic variants on lidocaine metabolism in vitro. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 3503-3510.	4.3	32
14	In Vitro Functional Assessment of 22 Newly Identified CYP2D6 Allelic Variants in the Chinese Population. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 39-43.	2.5	24
15	MutT-related proteins are novel progression and prognostic markers for colorectal cancer. <i>Oncotarget</i> , 2017, 8, 105714-105726.	1.8	23
16	Age-related alterations in the expression of MTH2 in the hippocampus of the SAMP8 mouse with learning and memory deterioration. <i>Journal of the Neurological Sciences</i> , 2009, 287, 188-196.	0.6	22
17	Effects of CYP2C19 variants on methadone metabolism in vitro. <i>Drug Testing and Analysis</i> , 2017, 9, 634-639.	2.6	22
18	Functional Characterization of 22 CYP3A4 Protein Variants to Metabolize Ibrutinib In Vitro. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 122, 383-387.	2.5	21

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19	Identification and Functional Assessment of a New CYP2C9 Allelic Variant CYP2C9*59. Drug Metabolism and Disposition, 2015, 43, 1246-1249.	3.3	20
20	Effects of 22 Novel CYP2D6 Variants Found in the Chinese Population on the Bufuralol and Dextromethorphan Metabolisms In Vitro. Basic and Clinical Pharmacology and Toxicology, 2016, 118, 190-199.	2.5	20
21	Phagocytosis of platelets enhances endothelial cell survival under serum deprivation. Experimental Biology and Medicine, 2015, 240, 876-883.	2.4	18
22	Effect of CYP2C9 genetic polymorphism on the metabolism of flurbiprofen in vitro. Drug Development and Industrial Pharmacy, 2015, 41, 1363-1367.	2.0	18
23	The overexpression of AUF1 in colorectal cancer predicts a poor prognosis and promotes cancer progression by activating ERK and AKT pathways. Cancer Medicine, 2020, 9, 8612-8623.	2.8	18
24	Function of 38 variants CYP2C9 polymorphism on ketamine metabolism in vitro. Journal of Pharmacological Sciences, 2017, 135, 8-13.	2.5	17
25	Expression of Cytoplasmic 8-oxo-Gsn and MTH1 Correlates with Pathological Grading in Human Gastric Cancer. Asian Pacific Journal of Cancer Prevention, 2015, 16, 6335-6338.	1.2	17
26	In Vitro and In Vivo Characterization of 13 CYP2C9 Allelic Variants Found in Chinese Han Population. Drug Metabolism and Disposition, 2015, 43, 561-569.	3.3	16
27	Lowered Nudix type 5 (NUDT5) expression leads to cell cycle retardation in HeLa cells. Molecular and Cellular Biochemistry, 2012, 363, 377-384.	3.1	15
28	The effect of resveratrol on pharmacokinetics of aripiprazole in vivo and in vitro. Xenobiotica, 2016, 46, 439-444.	1.1	15
29	Functional Measurement of CYP2C9 and CYP3A4 Allelic Polymorphism on Sildenafil Metabolism. Drug Design, Development and Therapy, 2020, Volume 14, 5129-5141.	4.3	15
30	Long-Term High-Fat High-Fructose Diet Induces Type 2 Diabetes in Rats through Oxidative Stress. Nutrients, 2022, 14, 2181.	4.1	14
31	In vitro functional analysis of 24 novel CYP2C19 variants recently found in the Chinese Han population. Xenobiotica, 2015, 45, 1030-1035.	1.1	13
32	The role of CYP2C9 genetic polymorphism in carvedilol O-desmethylation in vitro. European Journal of Drug Metabolism and Pharmacokinetics, 2016, 41, 79-86.	1.6	13
33	Effect of CYP2D6 variants on venlafaxine metabolism in vitro. Xenobiotica, 2016, 46, 424-429.	1.1	13
34	The effects of cytochrome P450 2C19 polymorphism on the metabolism of voriconazole in vitro. Infection and Drug Resistance, 2018, Volume 11, 2129-2135.	2.7	13
35	The high expression of NUDT5 indicates poor prognosis of breast cancer by modulating AKT / Cyclin D signaling. PLoS ONE, 2021, 16, e0245876.	2.5	13
36	Characterization of a Novel CYP2C9 Mutation (1009C>A) Detected in a Warfarin-Sensitive Patient. Journal of Pharmacological Sciences, 2014, 125, 150-156.	2.5	12

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37	Identification and characterization of a novel <i>CYP2C9</i> allelic variant in a warfarin-sensitive patient. <i>Pharmacogenomics</i> , 2015, 16, 1475-1486.	1.3	12
38	In vitro metabolism of phenytoin in 36 <i>CYP2C9</i> variants found in the Chinese population. <i>Chemico-Biological Interactions</i> , 2016, 253, 93-99.	4.0	12
39	The high expression of MTH1 and NUDT5 promotes tumor metastasis and indicates a poor prognosis in patients with non-small-cell lung cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118895.	4.1	12
40	Analysis of the oxidative damage of DNA, RNA, and their metabolites induced by hyperglycemia and related nephropathy in Sprague Dawley rats. <i>Free Radical Research</i> , 2015, 49, 1199-1209.	3.3	11
41	The role of <i>CYP2C9</i> genetic polymorphisms in the oxidative metabolism of diclofenac in vitro. <i>Die Pharmazie</i> , 2014, 69, 898-903.	0.5	11
42	Functional characterization of 21 <i>CYP3A4</i> variants on amiodarone metabolism <i>in vitro</i> . <i>Xenobiotica</i> , 2019, 49, 120-126.	1.1	10
43	Role of cytochrome P450 2D6 genetic polymorphism in carvedilol hydroxylation in vitro. <i>Drug Design, Development and Therapy</i> , 2016, 10, 1909.	4.3	9
44	Effect of <i>CYP2D6</i> genetic polymorphism on the metabolism of citalopram <i>in vitro</i> . <i>Drug Metabolism and Pharmacokinetics</i> , 2016, 31, 133-138.	2.2	9
45	HLA-B*07, HLA-DRB1*07, HLA-DRB1*12, and HLA-C*03:02 Strongly Associate With BMI: Data From 1.3 Million Healthy Chinese Adults. <i>Diabetes</i> , 2018, 67, 861-871.	0.6	9
46	Levels of 8-oxo-dGsn and 8-oxo-Gsn in random urine are consistent with 24h urine in healthy subjects and patients with renal disease. <i>Free Radical Research</i> , 2017, 51, 616-621.	3.3	8
47	The Ratio of Plasma and Urinary 8-oxo-Gsn Could Be a Novel Evaluation Index for Patients with Chronic Kidney Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-8.	4.0	8
48	Functional characterization of 27 <i>CYP3A4</i> protein variants to metabolize regorafenib in vitro. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 337-344.	2.5	8
49	<i>In vitro</i> assessment of 24 <i>CYP2D6</i> allelic isoforms on the metabolism of methadone. <i>Drug Testing and Analysis</i> , 2017, 9, 216-220.	2.6	7
50	The mechanism of RNA oxidation involved in the development of heart failure. <i>Free Radical Research</i> , 2019, 53, 910-921.	3.3	7
51	An identification and functional evaluation of a novel <i>CYP2C9</i> variant <i>CYP2C9*62</i> . <i>Chemico-Biological Interactions</i> , 2020, 327, 109168.	4.0	7
52	Increased Oxidative Damage of RNA in Early-Stage Nephropathy in db/db Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	4.0	6
53	Lowered Nudix type 5 expression leads to cellular senescence in IMR-90 fibroblast cells. <i>Free Radical Research</i> , 2013, 47, 511-516.	3.3	5
54	Effects of 24 <i>CYP2D6</i> variants found in Chinese population on the metabolism of clonidine in vitro. <i>Chemico-Biological Interactions</i> , 2019, 313, 108840.	4.0	5

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55	Evaluation of the Effects of Ketoconazole and Voriconazole on the Pharmacokinetics of Oxcarbazepine and Its Main Metabolite MHD in Rats by UPLC-MS/MS. <i>Journal of Chromatographic Science</i> , 2016, 54, bmv146.	1.4	4
56	Genistein Exposure Interferes with Pharmacokinetics of Celecoxib in SD Male Rats by UPLC-MS/MS. <i>Biochemistry Research International</i> , 2017, 2017, 1-7.	3.3	4
57	Inhibitory effect of resveratrol on the pharmacokinetic of ibrutinib by UPLC-MS/MS. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 27-31.	2.0	4
58	Han Chinese specific cytochrome P450 polymorphisms and their impact on the metabolism of anti-hypertensive drugs with adrenoceptor blocking properties. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 707-716.	3.3	4
59	Effects of 27 CYP3A4 protein variants on saxagliptin metabolism in vitro. <i>Fundamental and Clinical Pharmacology</i> , 2021, , .	1.9	4
60	MTH1 suppression enhances the stemness of MCF7 through upregulation of STAT3. <i>Free Radical Biology and Medicine</i> , 2022, 188, 447-458.	2.9	3
61	Assessment of 25 CYP2D6 alleles found in the Chinese population on propafenone metabolism in vitro. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 895-899.	1.4	2
62	Oxidative DNA and RNA damage and their prognostic values during <i>Salmonella enteritidis</i> -induced intestinal infection in rats. <i>Free Radical Research</i> , 2018, 52, 961-969.	3.3	2
63	Functional characterization of the defective CYP2C9 variant CYP2C9*18. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00718.	2.4	2
64	Effects of 31 recombinant CYP2C19 variants on clomipramine metabolism in vitro. <i>Journal of Psychopharmacology</i> , 2021, 35, 1517-1522.	4.0	2
65	A study on UHPLC-MS/MS analyses of DNA and RNA oxidative damage metabolites in patients with cervical carcinoma: 8-oxoG in urine as a potential biomarker of cervical carcinoma. <i>Heliyon</i> , 2022, 8, e09321.	3.2	2
66	Effects of Simvastatin on the Metabolism of Vonoprazan in Rats Both in vitro and in vivo. <i>Drug Design, Development and Therapy</i> , 0, Volume 16, 1779-1789.	4.3	2
67	Functional characterization of 27 CYP3A4 variants on macitentan metabolism in vitro. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 1677-1683.	2.4	1
68	Enzymatic activity on valsartan of 38 CYP2C9 variants from the Chinese population. <i>Chemico-Biological Interactions</i> , 2022, 353, 109799.	4.0	1
69	Effect of 22 CYP2D6 variants found in the Chinese population on tolterodine metabolism in vitro. <i>Chemico-Biological Interactions</i> , 2017, 264, 10-15.	4.0	0
70	Systemic RNA oxidation can be used as a biomarker of infection in challenged with <i>Vibrio parahaemolyticus</i> . <i>Free Radical Research</i> , 2021, 55, 41-52.	3.3	0
71	Increased systemic RNA oxidative damage and diagnostic value of RNA oxidative metabolites during <i>Shigella flexneri</i> -induced intestinal infection. <i>World Journal of Gastroenterology</i> , 2021, 27, 6248-6261.	3.3	0
72	Characterization of a novel HLA-A*11:335 allele resulting from a rare interlocus recombination involving HLA-A*11:01:01:01/126 and HLA-H*02:07/14/18 alleles with nanopore sequencing, in a volunteer from the China Marrow Donor Program. <i>BMC Medical Genomics</i> , 2022, 15, 58.	1.5	0

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73	Effect of Baicalein on the Pharmacokinetics of Cilostazol and Its Two Metabolites in Rat Plasma Using UPLC-MS/MS Method. <i>Frontiers in Pharmacology</i> , 2022, 13, 888054.	3.5	0