

Hui-Chang Bi

List of Publications by Year in descending order

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97
papers

2,850
citations

136950

32
h-index

214800

47
g-index

99
all docs

99
docs citations

99
times ranked

3423
citing authors

#	ARTICLE	IF	CITATIONS
1	Current trends in drug metabolism and pharmacokinetics. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 1113-1144.	12.0	147
2	Optimization of harvesting, extraction, and analytical protocols for UPLC-ESI-MS-based metabolomic analysis of adherent mammalian cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5279-5289.	3.7	106
3	Hepato-protective effects of six schisandra lignans on acetaminophen-induced liver injury are partially associated with the inhibition of CYP-mediated bioactivation. <i>Chemico-Biological Interactions</i> , 2015, 231, 83-89.	4.0	102
4	Hepato-protective effect of resveratrol against acetaminophen-induced liver injury is associated with inhibition of CYP-mediated bioactivation and regulation of SIRT1-p53 signaling pathways. <i>Toxicology Letters</i> , 2015, 236, 82-89.	0.8	99
5	Rapid determination of six metabolites from multiple cytochrome P450 probe substrates in human liver microsome by liquid chromatography/mass spectrometry: application to high-throughput inhibition screening of terpenoids. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 635-643.	1.5	87
6	A Mechanistic Study of the Intestinal Absorption of Cryptotanshinone, the Major Active Constituent of <i>Salvia miltiorrhiza</i> . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1285-1294.	2.5	86
7	Low Dose of Oleanolic Acid Protects against Lithocholic Acid-Induced Cholestasis in Mice: Potential Involvement of Nuclear Factor-E2-Related Factor 2-Mediated Upregulation of Multidrug Resistance-Associated Proteins. <i>Drug Metabolism and Disposition</i> , 2014, 42, 844-852.	3.3	69
8	Schisandrol B protects against cholestatic liver injury through pregnane X receptors. <i>British Journal of Pharmacology</i> , 2017, 174, 672-688.	5.4	69
9	Pregnane X Receptor Regulates Liver Size and Liver Cell Fate by Yes-Associated Protein Activation in Mice. <i>Hepatology</i> , 2019, 69, 343-358.	7.3	66
10	Schisandrol B protects against acetaminophen-induced acute hepatotoxicity in mice via activation of the NRF2/ARE signaling pathway. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 382-389.	6.1	65
11	Schisandrol B Protects Against Acetaminophen-Induced Hepatotoxicity by Inhibition of CYP-Mediated Bioactivation and Regulation of Liver Regeneration. <i>Toxicological Sciences</i> , 2015, 143, 107-115.	3.1	63
12	Optimization of lipid extraction and analytical protocols for UHPLC-ESI-HRMS-based lipidomic analysis of adherent mammalian cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5349-5358.	3.7	58
13	Wuzhi Tablet (<i>Schisandra Sphenanthera</i> Extract) Protects against Acetaminophen-Induced Hepatotoxicity by Inhibition of CYP-Mediated Bioactivation and Regulation of NRF2-ARE and p53/p21 Pathways. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1982-1990.	3.3	55
14	SIRT6 as a key event linking P53 and NRF2 counteracts APAP-induced hepatotoxicity through inhibiting oxidative stress and promoting hepatocyte proliferation. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 89-99.	12.0	55
15	Effects of Nicotinamide N-Methyltransferase on PANC-1 Cells Proliferation, Metastatic Potential and Survival Under Metabolic Stress. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 710-721.	1.6	54
16	Carnitine palmitoyltransferase 1C regulates cancer cell senescence through mitochondria-associated metabolic reprogramming. <i>Cell Death and Differentiation</i> , 2018, 25, 735-748.	11.2	53
17	Regulation of human pregnane X receptor and its target gene cytochrome P450 3A4 by Chinese herbal compounds and a molecular docking study. <i>Xenobiotica</i> , 2011, 41, 259-280.	1.1	50
18	Effect of Tacrolimus on the pharmacokinetics of bioactive lignans of Wuzhi tablet (<i>Schisandra</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	5.3	50

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19	Discovery of Phosphatidic Acid, Phosphatidylcholine, and Phosphatidylserine as Biomarkers for Early Diagnosis of Endometriosis. <i>Frontiers in Physiology</i> , 2018, 9, 14.	2.8	49
20	PPAR β regulates tumor cell proliferation and senescence via a novel target gene carnitine palmitoyltransferase 1C. <i>Carcinogenesis</i> , 2017, 38, 474-483.	2.8	46
21	Hepatoprotective Effects of Schisandra sphenanthera Extract against Lithocholic Acid-Induced Cholestasis in Male Mice Are Associated with Activation of the Pregnane X Receptor Pathway and Promotion of Liver Regeneration. <i>Drug Metabolism and Disposition</i> , 2016, 44, 337-342.	3.3	45
22	Endometrium metabolomic profiling reveals potential biomarkers for diagnosis of endometriosis at minimal-mild stages. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 42.	3.3	42
23	Schisandra sphenanthera extract (Wuzhi Tablet) protects against chronic-binge and acute alcohol-induced liver injury by regulating the NRF2-ARE pathway in mice. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 583-592.	12.0	40
24	Bioengineered miRNA-1291 prodrug therapy in pancreatic cancer cells and patient-derived xenograft mouse models. <i>Cancer Letters</i> , 2019, 442, 82-90.	7.2	40
25	Oleanolic acid attenuates obstructive cholestasis in bile duct-ligated mice, possibly via activation of NRF2-MRPs and FXR antagonism. <i>European Journal of Pharmacology</i> , 2015, 765, 131-139.	3.5	39
26	Study of the effect of Wuzhi tablet (<i>Schisandra sphenanthera</i> extract) on tacrolimus tissue distribution in rat by liquid chromatography tandem mass spectrometry method. <i>Biomedical Chromatography</i> , 2010, 24, 399-405.	1.7	38
27	Lignans from Schisandra sphenanthera protect against lithocholic acid-induced cholestasis by pregnane X receptor activation in mice. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112103.	4.1	38
28	Effect of long-term co-administration of Wuzhi tablet (<i>Schisandra sphenanthera</i> extract) and prednisone on the pharmacokinetics of tacrolimus. <i>Phytomedicine</i> , 2013, 20, 375-379.	5.3	37
29	Induction of Cytochrome P450 3A by the Ginkgo biloba Extract and Bilobalides in Human and Rat Primary Hepatocytes. <i>Drug Metabolism Letters</i> , 2008, 2, 60-66.	0.8	36
30	Targeted Metabolomics of Serum Acylcarnitines Evaluates Hepatoprotective Effect of Wuzhi Tablet (<i>Schisandra sphenanthera</i> Extract) against Acute Acetaminophen Toxicity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	1.2	35
31	A novel miR-1291-ERR β -CPT1C axis modulates tumor cell proliferation, metabolism and tumorigenesis. <i>Theranostics</i> , 2020, 10, 7193-7210.	10.0	35
32	YAP β TEAD mediates PPAR β -induced hepatomegaly and liver regeneration in mice. <i>Hepatology</i> , 2022, 75, 74-88.	7.3	35
33	Therapeutic Efficacy of Wuzhi Tablet (<i>Schisandra sphenanthera</i> Extract) on Acetaminophen-Induced Hepatotoxicity through a Mechanism Distinct from N-Acetylcysteine. <i>Drug Metabolism and Disposition</i> , 2015, 43, 317-324.	3.3	33
34	Effect of Wuzhi Tablet (<i>Schisandra sphenanthera</i> extract) on the Pharmacokinetics of Paclitaxel in Rats. <i>Phytotherapy Research</i> , 2011, 25, 1250-1253.	5.8	32
35	p53 attenuates acetaminophen-induced hepatotoxicity by regulating drug-metabolizing enzymes and transporter expression. <i>Cell Death and Disease</i> , 2018, 9, 536.	6.3	32
36	Study of tanshinone IIA tissue distribution in rat by liquid chromatography-tandem mass spectrometry method. <i>Biomedical Chromatography</i> , 2007, 21, 473-479.	1.7	31

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37	Effect of Wuzhi Tablet (<i>Schisandra sphenanthera</i> extract) on the Pharmacokinetics of Cyclosporin A in Rats. <i>Phytotherapy Research</i> , 2013, 27, 1255-1259.	5.8	31
38	Wuzhi Tablet (<i>Schisandra sphenanthera</i> Extract) Is a Promising Tacrolimus-Sparing Agent for Renal Transplant Recipients Who Are CYP3A5 Expressers: a Two-Phase Prospective Study. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1114-1119.	3.3	31
39	Development, validation, and application of a novel 7-day Caco-2 cell culture system. <i>Journal of Pharmacological and Toxicological Methods</i> , 2014, 70, 175-181.	0.7	29
40	Resveratrol Suppresses the Inducible Expression of CYP3A4 Through the Pregnane X Receptor. <i>Journal of Pharmacological Sciences</i> , 2014, 126, 146-154.	2.5	28
41	Dynamic and Coordinated Regulation of KEAP1-NRF2-ARE and p53/p21 Signaling Pathways Is Associated with Acetaminophen Injury Responsive Liver Regeneration. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1532-1539.	3.3	27
42	CAR-mediated Up-regulation of CYP3A4 Expression in LS174T Cells by Chinese Herbal Compounds. <i>Drug Metabolism and Pharmacokinetics</i> , 2011, 26, 331-340.	2.2	25
43	p53-mediated regulation of bile acid disposition attenuates cholic acid-induced cholestasis in mice. <i>British Journal of Pharmacology</i> , 2017, 174, 4345-4361.	5.4	25
44	Enhancement of oral bioavailability of paclitaxel after oral administration of Schisandrol B in rats. <i>Biopharmaceutics and Drug Disposition</i> , 2010, 31, 264-268.	1.9	24
45	Effects of carnitine palmitoyltransferases on cancer cellular senescence. <i>Journal of Cellular Physiology</i> , 2019, 234, 1707-1719.	4.1	24
46	Rapid and simultaneous measurement of midazolam, 1-hydroxymidazolam and digoxin by liquid chromatography/tandem mass spectrometry: Application to an in vivo study to simultaneously measure P-glycoprotein and Cytochrome P450 3A activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 187-193.	2.8	23
47	Dexamethasone-Induced Liver Enlargement Is Related to PXR/YAP Activation and Lipid Accumulation but Not Hepatocyte Proliferation. <i>Drug Metabolism and Disposition</i> , 2020, 48, 830-839.	3.3	22
48	Lipidomics reveals carnitine palmitoyltransferase 1C protects cancer cells from lipotoxicity and senescence. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 340-350.	5.3	22
49	Comparative pharmacokinetics of paclitaxel after oral administration of <i>Taxus yunnanensis</i> extract and pure paclitaxel to rats. <i>FITOTERAPIA</i> , 2013, 90, 1-9.	2.2	21
50	Metabolic mapping of <i>Schisandra sphenanthera</i> extract and its active lignans using a metabolomic approach based on ultra high performance liquid chromatography with high-resolution mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 574-586.	2.5	21
51	Prenatal dexamethasone exposure-induced a gender-difference and sustainable multi-organ damage in offspring rats via serum metabolic profile analysis. <i>Toxicology Letters</i> , 2019, 316, 136-146.	0.8	21
52	Determination of adefovir in human plasma by liquid chromatography/tandem mass spectrometry: application to a pharmacokinetic study. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2911-2917.	1.5	20
53	Down-regulation of P-gp expression and function after Mulberroside A treatment: Potential role of protein kinase C and NF-kappa B. <i>Chemico-Biological Interactions</i> , 2014, 213, 44-50.	4.0	20
54	PXR- and CAR-mediated herbal effect on human diseases. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1121-1129.	1.9	20

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55	Schisandra sphenanthera Extract Facilitates Liver Regeneration after Partial Hepatectomy in Mice. Drug Metabolism and Disposition, 2016, 44, 647-652.	3.3	20
56	Schisandrol B promotes liver regeneration after partial hepatectomy in mice. European Journal of Pharmacology, 2018, 818, 96-102.	3.5	20
57	Roles of P-glycoprotein and multidrug resistance protein in transporting para-aminosalicylic acid and its N-acetylated metabolite in mice brain. Acta Pharmacologica Sinica, 2014, 35, 1577-1585.	6.1	17
58	Constitutive androstane receptor induced-hepatomegaly and liver regeneration is partially via yes-associated protein activation. Acta Pharmaceutica Sinica B, 2021, 11, 727-737.	12.0	17
59	Up-regulation of CYP3A expression through pregnent X receptor by praeruptorin D isolated from Peucedanum praeruptorum Dunn. Journal of Ethnopharmacology, 2013, 148, 596-602.	4.1	15
60	Metabolomics reveals mycoplasma contamination interferes with the metabolism of PANC-1 cells. Analytical and Bioanalytical Chemistry, 2016, 408, 4267-4273.	3.7	15
61	Nuclear receptors and non-alcoholic fatty liver disease: An update. Liver Research, 2020, 4, 88-93.	1.4	15
62	Inhibitor of cytochrome P450 isoenzymes and P-gp activity by multiple extracts of Huang-Lian-Jie-Du decoction. Journal of Ethnopharmacology, 2014, 156, 175-181.	4.1	14
63	The impact of glutathione S-transferase genotype and phenotype on the adverse drug reactions to azathioprine in patients with inflammatory bowel diseases. Journal of Pharmacological Sciences, 2015, 129, 95-100.	2.5	14
64	Lipid Profiling of Peri-implantation Endometrium in Patients With Premature Progesterone Rise in the Late Follicular Phase. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5555-5565.	3.6	14
65	Metabolomics and Lipidomics Reveal the Effect of Hepatic Vps33b Deficiency on Bile Acids and Lipids Metabolism. Frontiers in Pharmacology, 2019, 10, 276.	3.5	13
66	Lipidomic profiling reveals triacylglycerol accumulation in the liver during pregnane X receptor activation-induced hepatomegaly. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113851.	2.8	12
67	Crotonenoids A and B, Two Highly Modified Clerodane Diterpenoids with a Tricyclo[7.2.1.0 ^{2,7}]dodecane Core from <i>Croton yanhuai</i> : Isolation, Structural Elucidation, and Biomimetic Semisynthesis. Organic Letters, 2020, 22, 4435-4439.	4.6	11
68	PXR mediates mifepristone-induced hepatomegaly in mice. Acta Pharmacologica Sinica, 2022, 43, 146-156.	6.1	11
69	Schisandrol B promotes liver enlargement via activation of PXR and YAP pathways in mice. Phytomedicine, 2021, 84, 153520.	5.3	11
70	Dexamethasone induces an imbalanced fetal-placental-maternal bile acid circulation: involvement of placental transporters. BMC Medicine, 2021, 19, 87.	5.5	11
71	Study of the upregulation of the activity of cytochrome P450 3A isoforms by Astragalus injection and Astragalus granules in rats and in cells. European Journal of Drug Metabolism and Pharmacokinetics, 2013, 38, 105-113.	1.6	10
72	Effects of Praeruptorin A and Praeruptorin C, a Racemate Isolated from Peucedanum praeruptorum, on MRP2 through the CAR Pathway. Planta Medica, 2013, 79, 1641-1647.	1.3	10

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73	Neobavaisoflavone Induces Bilirubin Metabolizing Enzyme UGT1A1 via PPAR α and PPAR β . <i>Frontiers in Pharmacology</i> , 2020, 11, 628314.	3.5	10
74	High-throughput determination of carbocysteine in human plasma by liquid chromatography/tandem mass spectrometry: application to a bioequivalence study of two formulations in healthy volunteers. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1153-1160.	1.5	9
75	SUMOylation of pregnane X receptor suppresses rifampicin-induced CYP3A4 and P-gp expression and activity in LS174T cells. <i>Journal of Pharmacological Sciences</i> , 2016, 130, 66-71.	2.5	9
76	Targeted bile acids and gut microbiome profiles reveal the hepato-protective effect of WZ tablet (<i>Schisandra sphenanthera</i> extract) against LCA-induced cholestasis. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 211-218.	1.3	9
77	Lathyrane Diterpenoids as Novel hPXR Agonists: Isolation, Structural Modification, and Structure-Activity Relationships. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1159-1165.	2.8	9
78	Determination of HS270, a new histone deacetylase inhibitor, in rat plasma by LC-MS/MS Application to a preclinical pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3452-3458.	2.3	8
79	Co-administration of Wuzhi tablet (<i>Schisandra sphenanthera</i> extract) alters tacrolimus pharmacokinetics in a dose- and time-dependent manner in rats. <i>Journal of Ethnopharmacology</i> , 2020, 263, 113233.	4.1	8
80	Carnitine palmitoyltransferase 1C reverses cellular senescence of MRC5 fibroblasts via regulating lipid accumulation and mitochondrial function. <i>Journal of Cellular Physiology</i> , 2021, 236, 958-970.	4.1	8
81	Hepatic Vps33b deficiency aggravates cholic acid-induced cholestatic liver injury in male mice. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 933-940.	6.1	8
82	Regulation of Human Pregnane X Receptor and its Target Gene Cytochrome P450 3A by Praeruptorin A Isolated from the Herbal Medicine <i>Peucedanum praeruptorum</i> . <i>Planta Medica</i> , 2013, 79, 1509-1515.	1.3	7
83	Lipidomics-based study on the neuroprotective effect of geissoschizine methyl ether against oxidative stress-induced cytotoxicity. <i>Journal of Ethnopharmacology</i> , 2020, 253, 112636.	4.1	7
84	Carnitine palmitoyltransferase 1C contributes to progressive cellular senescence. <i>Aging</i> , 2020, 12, 6733-6755.	3.1	7
85	Nuclear Receptor-Mediated Hepatomegaly and Liver Regeneration: An Update. <i>Drug Metabolism and Disposition</i> , 2022, 50, 636-645.	3.3	7
86	Effect of Phorbol 12-Myristate 13-Acetate on Function and Gene Expression of P-Glycoprotein in Adriamycin-Resistant K562/ADM Cells. <i>Pharmacology</i> , 2013, 92, 121-130.	2.2	6
87	PXR-Mediated Upregulation of CYP3A Expression by Herb Compound Praeruptorin C from <i>Peucedanum praeruptorum</i> Dunn. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-9.	1.2	6
88	Mulberroside A suppresses PXR-mediated transactivation and gene expression of P-gp in LS174T cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, N/A.	3.0	5
89	Green Tea Polyphenols Protect against Acetaminophen-Induced Liver Injury by Regulating the Drug Metabolizing Enzymes and Transporters. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-17.	1.2	5
90	Effects of flavonoids derived from <i>Taxus yunnanensis</i> on p-glycoprotein and cytochrome P450 3A4. <i>Asian Journal of Pharmaceutical Sciences</i> , 2013, 8, 168-173.	9.1	4

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91	Natural product-based screening led to the discovery of a novel PXR agonist with anti-cholestasis activity. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 2139-2146.	6.1	3
92	Paclitaxel-Containing Extract Exerts Anti-Cancer Activity through Oral Administration in A549-Xenografted BALB/C Nude Mice: Synergistic Effect between Paclitaxel and Flavonoids or Lignoids. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-19.	1.2	3
93	Lipid Analysis of Follicular Fluids by UHPLC-ESI-HRMS Discovers Potential Biomarkers for Ovarian Hyperstimulation Syndrome. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	3
94	Long-term treatment with the mPXR agonist PCN promotes hepatomegaly and lipid accumulation without hepatocyte proliferation in mice. <i>Acta Pharmacologica Sinica</i> , 2023, 44, 169-177.	6.1	3
95	Xanthine oxidase activity in thiopurine curative Chinese inflammatory bowel disease patients. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00764.	2.4	2
96	Hepatoprotective Effect of <i>Oplopanax elatus</i> Nakai Adventitious Roots Extract by Regulating CYP450 and PPAR Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2022, 13, 761618.	3.5	1
97	Determination of Cryptotanshinone, a Major Active Component in <i>Salvia miltiorrhiza</i> , in Caco-2 Monolayers by HPLC with UV Detection. <i>Chromatographia</i> , 2007, 66, 577-582.	1.3	0