Im-Sook Song

List of Publications by Year
in descending order

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94 papers	2,329 citations	201674 27 h-index	254184 43 g-index
94 all docs	94 docs citations	94 times ranked	2934 citing authors

#	Article	IF	Citations
1	The roles of copper transporters in cisplatin resistance. Cancer and Metastasis Reviews, 2007, 26, 71-83.	5.9	253
2	Antitumor Effect of Paclitaxel-Loaded PEGylated Immunoliposomes Against Human Breast Cancer Cells. Pharmaceutical Research, 2007, 24, 2402-2411.	3.5	114
3	The effect of SLCO1B1*15 on the disposition of pravastatin and pitavastatin is substrate dependent: the contribution of transporting activity changes by SLCO1B1*15. Pharmacogenetics and Genomics, 2008, 18, 424-433.	1.5	103
4	P-Glycoproteinâ€“Mediated Transport of Berberine across Caco-2 Cell Monolayers. Journal of Pharmaceutical Sciences, 2002, 91, 2614-2621.	3.3	96
5	Organic Cation Transporters and their Pharmacokinetic and Pharmacodynamic Consequences. Drug Metabolism and Pharmacokinetics, 2008, 23, 243-253.	2.2	87
6	Neuronal SphK1 acetylates COX2 and contributes to pathogenesis in a model of Alzheimerâ€™s Disease. Nature Communications, 2018, 9, 1479.	12.8	68
7	Enhanced Oral Bioavailability of Morin Administered in Mixed Micelle Formulation with PluronicF127 and Tween80 in Rats. Biological and Pharmaceutical Bulletin, 2015, 38, 208-217.	1.4	60
8	Effect of Silymarin Supplement on the Pharmacokinetics of Rosuvastatin. Pharmaceutical Research, 2008, 25, 1807-1814.	3.5	57
9	Detection of 13 Ginsenosides (Rb1, Rb2, Rc, Rd, Re, Rf, Rg1, Rg3, Rh2, F1, Compound K,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Method to Human Pharmacokinetic Studies Following Two Week-Repeated Administration of Red Ginseng Extract. Molecules, 2019, 24, 2618.	3.8	55
10	Gambogic acid triggers vacuolization-associated cell death in cancer cells via disruption of thiol proteostasis. Cell Death and Disease, 2019, 10, 187.	6.3	50
11	Pharmacokinetics and first-pass elimination of metoprolol in rats: contribution of intestinal first-pass extraction to low bioavailability of metoprolol. Xenobiotica, 2011, 41, 243-251.	1.1	47
12	Reduced Antidiabetic Effect of Metformin and Down-regulation of Hepatic Oct1 in Rats with Ethynylestradiol-Induced Cholestasis. Pharmaceutical Research, 2009, 26, 549-559.	3.5	46
13	Characterization, in Vivo and in Vitro Evaluation of Solid Dispersion of Curcumin Containing d-Î±-Tocopheryl Polyethylene Glycol 1000 Succinate and Mannitol. Molecules, 2016, 21, 1386.	3.8	45
14	Enhanced Intestinal Absorption and Pharmacokinetic Modulation of Berberine and Its Metabolites through the Inhibition of P-Glycoprotein and Intestinal Metabolism in Rats Using a Berberine Mixed Micelle Formulation. Pharmaceutics, 2020, 12, 882.	4.5	45
15	Macropinocytosis is an alternative pathway of cysteine acquisition and mitigates sorafenib-induced ferroptosis in hepatocellular carcinoma. Journal of Experimental and Clinical Cancer Research, 2022, 41, 98.	8.6	43
16	Interactions of ginseng with therapeutic drugs. Archives of Pharmacal Research, 2019, 42, 862-878.	6.3	42
17	Organic cation transporter-mediated drugâ€“drug interaction potential between berberine and metformin. Archives of Pharmacal Research, 2015, 38, 849-856.	6.3	41
18	Tolerability and pharmacokinetics of ginsenosides Rb1, Rb2, Rc, Rd, and compound K after single or multiple administration of red ginseng extract in human beings. Journal of Ginseng Research, 2020, 44, 229-237.	5.7	39

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19	Characterization of efflux transport of the PDE5 inhibitors, vardenafil and sildenafil. Journal of Pharmacy and Pharmacology, 2012, 64, 1074-1083.	2.4	35
20	Genetic variants of organic cation transporter 1 (OCT1) and OCT2 significantly reduce lamivudine uptake. Biopharmaceutics and Drug Disposition, 2012, 33, 170-178.	1.9	35
21	Platinum transporters and drug resistance. Archives of Pharmacal Research, 2006, 29, 1067-1073.	6.3	34
22	Effects of tetraalkylammonium compounds with different affinities for organic cation transporters on the pharmacokinetics of metformin. Biopharmaceutics and Drug Disposition, 2007, 28, 501-510.	1.9	34
23	N , N â€²-Diacetyl- p -phenylenediamine restores microglial phagocytosis and improves cognitive defects in Alzheimerâ€™s disease transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23426-23436.	7.1	34
24	Simultaneous Determination and Pharmacokinetic Characterization of Glycyrrhizin, Isoliquiritigenin, Liquiritigenin, and Liquiritin in Rat Plasma Following Oral Administration of Glycyrrhizae Radix Extract. Molecules, 2019, 24, 1816.	3.8	34
25	Inhibitory effects of ketoconazole and rifampin on OAT1 and OATP1B1 transport activities: considerations on drugâ€“drug interactions. Biopharmaceutics and Drug Disposition, 2011, 32, 175-184.	1.9	33
26	N-AS-triggered SPMs are direct regulators of microglia in a model of Alzheimerâ€™s disease. Nature Communications, 2020, 11, 2358.	12.8	31
27	Glycoengineering of Interferon-Î² 1a Improves Its Biophysical and Pharmacokinetic Properties. PLoS ONE, 2014, 9, e96967.	2.5	30
28	Comparative Pharmacokinetics and Pharmacodynamics of a Novel Sodium-Glucose Cotransporter 2 Inhibitor, DWP16001, with Dapagliflozin and Ipragliflozin. Pharmaceutics, 2020, 12, 268.	4.5	29
29	Formulation and in vivo evaluation of probiotics-encapsulated pellets with hydroxypropyl methylcellulose acetate succinate (HPMCAS). Carbohydrate Polymers, 2016, 136, 692-699.	10.2	27
30	Herbâ€“Drug Interaction of Red Ginseng Extract and Ginsenoside Rc with Valsartan in Rats. Molecules, 2020, 25, 622.	3.8	27
31	Sitagliptin attenuates metformin-mediated AMPK phosphorylation through inhibition of organic cation transporters. Xenobiotica, 2010, 40, 817-825.	1.1	26
32	Multiple Alterations of Canalicular Membrane Transport Activities in Rats with CCl4-induced Hepatic Injury. Drug Metabolism and Disposition, 2003, 31, 482-490.	3.3	25
33	Pharmacokinetics of ginsenosides following repeated oral administration of red ginseng extract significantly differ between species of experimental animals. Archives of Pharmacal Research, 2020, 43, 1335-1346.	6.3	25
34	A Comprehensive In Vivo and In Vitro Assessment of the Drug Interaction Potential of Red Ginseng. Clinical Therapeutics, 2018, 40, 1322-1337.	2.5	24
35	Ophiobolin A kills human glioblastoma cells by inducing endoplasmic reticulum stress via disruption of thiol proteostasis. Oncotarget, 2017, 8, 106740-106752.	1.8	22
36	Evaluation of the transporter-mediated herb-drug interaction potential of DA-9801, a standardized dioscorea extract for diabetic neuropathy, in human in vitro and rat in vivo. BMC Complementary and Alternative Medicine, 2014, 14, 251.	3.7	20

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37	Enhanced Intestinal Permeability and Plasma Concentration of Metformin in Rats by the Repeated Administration of Red Ginseng Extract. Pharmaceutics, 2019, 11, 189.	4.5	20
38	Enhanced Bioavailability and Efficacy of Silymarin Solid Dispersion in Rats with Acetaminophen-Induced Hepatotoxicity. Pharmaceutics, 2021, 13, 628.	4.5	20
39	Effect of Red Ginseng Extract on the Pharmacokinetics and Efficacy of Metformin in Streptozotocin-Induced Diabetic Rats. Pharmaceutics, 2018, 10, 80.	4.5	19
40	Different activity of ATP dependent transport across the canalicular membrane for tributylmethylammonium and triethylmethylammonium as a potential mechanism of the preferential biliary excretion for tributylmethylammonium in the rat. Pharmaceutical Research, 1999, 16, 540-544.	3.5	18
41	Effects of Red Ginseng Extract on the Pharmacokinetics and Elimination of Methotrexate via Mrp2 Regulation. Molecules, 2018, 23, 2948.	3.8	17
42	In Vitro Metabolism of DWP16001, a Novel Sodium-Glucose Cotransporter 2 Inhibitor, in Human and Animal Hepatocytes. Pharmaceutics, 2020, 12, 865.	4.5	16
43	Organic anion transporter 3- and organic anion transporting polypeptides 1B1- and 1B3-mediated transport of catalposide. Drug Design, Development and Therapy, 2015, 9, 643.	4.3	15
44	Ginsenoside Rc Is a New Selective UGT1A9 Inhibitor in Human Liver Microsomes and Recombinant Human UGT Isoforms. Drug Metabolism and Disposition, 2019, 47, 1372-1379.	3.3	15
45	Enhanced oral bioavailability of naringenin administered in a mixed micelle formulation with Pluronic F127 and Tween 80 in rats. Journal of Pharmaceutical Investigation, 2015, 45, 633-640.	5.3	13
46	Improved Hygroscopicity and Bioavailability of Solid Dispersion of Red Ginseng Extract with Silicon Dioxide. Pharmaceutics, 2021, 13, 1022.	4.5	13
47	Effect of Lactic Acid Bacteria on the Pharmacokinetics and Metabolism of Ginsenosides in Mice. Pharmaceutics, 2021, 13, 1496.	4.5	13
48	Effect of nitric oxide on the sinusoidal uptake of organic cations and anions by isolated hepatocytes. Archives of Pharmacal Research, 2002, 25, 984-988.	6.3	12
49	Contribution of CNT1 and ENT1 to ribavirin uptake in human hepatocytes. Archives of Pharmacal Research, 2015, 38, 904-913.	6.3	12
50	Involvement of Organic Anion Transporters in the Pharmacokinetics and Drug Interaction of Rosmarinic Acid. Pharmaceutics, 2021, 13, 83.	4.5	12
51	Discovery of a dual-action small molecule that improves neuropathological features of Alzheimerâ€™s disease mice. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	12
52	Contribution of ion pair complexation with bile salts to biliary excretion of organic cations in rats. American Journal of Physiology - Renal Physiology, 2001, 281, G515-G525.	3.4	11
53	Contribution of ion-pair complexation with bile salts to the transport of organic cations across LLC-PK1 cell monolayers. Pharmaceutical Research, 2003, 20, 597-604.	3.5	11
54	Involvement of intestinal efflux and metabolic instability inÂtheÂpharmacokinetics of platycodin D in rats. Drug Metabolism and Pharmacokinetics, 2017, 32, 248-254.	2.2	11

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55	In Vitro Inhibitory Effects of APINACA on Human Major Cytochrome P450, UDP-Glucuronosyltransferase Enzymes, and Drug Transporters. Molecules, 2019, 24, 3000.	3.8	11
56	HPLC-MS/MS analysis of ilimaquinone and its application in a pharmacokinetic study in rats. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 291-294.	2.8	11
57	Interactions between cyazofamid and human drug transporters. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22459.	3.0	11
58	Pharmacokinetics of Î±-amanitin in mice using liquid chromatography-high resolution mass spectrometry and in vitro drugâ€“drug interaction potentials. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 821-835.	2.3	11
59	Transport characteristics and transporterâ€based drugâ€“drug interactions of TMâ€25659, a novel TAZ modulator. Biopharmaceutics and Drug Disposition, 2014, 35, 183-194.	1.9	10
60	Transfection of primary human nasal epithelial cells using a biodegradable poly (ester amine) based on polycaprolactone and polyethylenimine as a gene carrier. Journal of Drug Targeting, 2007, 15, 684-690.	4.4	9
61	Establishment and characterization of Mardin-Darby canine kidney cells stably expressing human organic anion transporters. Archives of Pharmacal Research, 2010, 33, 709-716.	6.3	9
62	Ethanol extract of Glycyrrhizae Radix modulates the responses of antigen-specific splenocytes in experimental autoimmune encephalomyelitis. Phytomedicine, 2019, 54, 56-65.	5.3	9
63	The Development and Validation of a Novel â€œDual Cocktailâ€•Probe for Cytochrome P450s and Transporter Functions to Evaluate Pharmacokinetic Drug-Drug and Herb-Drug Interactions. Pharmaceutics, 2020, 12, 938.	4.5	9
64	Pharmacokinetic Drugâ€“Drug Interactions and Herbâ€“Drug Interactions. Pharmaceutics, 2021, 13, 610.	4.5	9
65	Ursodeoxycholate Restores Biliary Excretion of Methotrexate in Rats with Ethinyl Estradiol Induced-Cholestasis by Restoring Canalicular Mrp2 Expression. International Journal of Molecular Sciences, 2018, 19, 1120.	4.1	8
66	Inhibitory Effect of AB-PINACA, Indazole Carboxamide Synthetic Cannabinoid, on Human Major Drug-Metabolizing Enzymes and Transporters. Pharmaceutics, 2020, 12, 1036.	4.5	8
67	Pharmacokinetics and Intestinal Metabolism of Compound K in Rats and Mice. Pharmaceutics, 2020, 12, 129.	4.5	8
68	A Glycosylated Prodrug to Attenuate Neuroinflammation and Improve Cognitive Deficits in Alzheimerâ€™s Disease Transgenic Mice. Molecular Pharmaceutics, 2021, 18, 101-112.	4.6	8
69	Toxicokinetics of Î²-Amanitin in Mice and In Vitro Drugâ€“Drug Interaction Potential. Pharmaceutics, 2022, 14, 774.	4.5	8
70	Pharmacokinetics and Tissue Distribution of Enavogliflozin in Mice and Rats. Pharmaceutics, 2022, 14, 1210.	4.5	8
71	Mechanism of the Stationary Canalicular Excretion of Tributylmethyl Ammonium in Rats with a CCl4-Induced Acute Hepatic Injury. Journal of Pharmaceutical Sciences, 2005, 94, 317-326.	3.3	7
72	Application of biopharmaceutics classification system (BCS) in drug transport studies across human respiratory epithelial cell monolayers. Journal of Pharmaceutical Investigation, 2012, 42, 147-153.	5.3	7

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73	Characterization of red ginsengâ€“drug interaction by CYP3A activity increased in high dose administration in mice. Biopharmaceutics and Drug Disposition, 2020, 41, 295-306.	1.9	7
74	Recent advances in the formulation of sphingolipid anticancer therapeutics. Journal of Pharmaceutical Investigation, 2020, 50, 295-307.	5.3	7
75	Tetrahydrofurofuranoid Lignans, Eudesmin, Fargesin, Epimagnolin A, Magnolin, and Yangambin Inhibit UDP-Glucuronosyltransferase 1A1 and 1A3 Activities in Human Liver Microsomes. Pharmaceutics, 2021, 13, 187.	4.5	7
76	Validation and application of a simple reverse phase HPLC method for in vitro dissolution studies of memantine hydrochloride tablet. Journal of Pharmaceutical Investigation, 2015, 45, 415-421.	5.3	6
77	Pharmacokinetics of Jaspine B and Enhancement of Intestinal Absorption of Jaspine B in the Presence of Bile Acid in Rats. Marine Drugs, 2017, 15, 279.	4.6	6
78	Pharmacokinetic Drug-Drug Interaction and Responsible Mechanism between Memantine and Cimetidine. Pharmaceutics, 2018, 10, 119.	4.5	6
79	Variability of gemcitabine accumulation and its relationship to expression of nucleoside transporters in peripheral blood mononuclear cells. Archives of Pharmacal Research, 2012, 35, 921-927.	6.3	5
80	Comparative in vitro release and clinical pharmacokinetics of leuprolide from Luphere 3M Depot, a 3-month release formulation of leuprolide acetate. Drug Development and Industrial Pharmacy, 2017, 43, 441-447.	2.0	5
81	In Vitro Interaction of AB-FUBINACA with Human Cytochrome P450, UDP-Glucuronosyltransferase Enzymes and Drug Transporters. Molecules, 2020, 25, 4589.	3.8	5
82	Blockade of P-Glycoprotein Decreased the Disposition of Phenformin and Increased Plasma Lactate Level. Biomolecules and Therapeutics, 2016, 24, 199-205.	2.4	4
83	Simultaneous Determination of Five Cytochrome P450 Probe Substrates and Their Metabolites and Organic Anion Transporting Polypeptide Probe Substrate in Human Plasma Using Liquid Chromatography-Tandem Mass Spectrometry. Pharmaceutics, 2018, 10, 79.	4.5	4
84	Ilimaquinone inhibits neovascular age-related macular degeneration through modulation of Wnt/Î²-catenin and p53 pathways. Pharmacological Research, 2020, 161, 105146.	7.1	4
85	In vitro modulatory effects of ginsenoside compound K, 20(S)-protopanaxadiol and 20(S)-protopanaxatriol on uridine 5â€²-diphospho-glucuronosyltransferase activity and expression. Xenobiotica, 2021, 51, 1087-1094.	1.1	4
86	Integration of a Physiologically Based Pharmacokinetic and Pharmacodynamic Model for Tegoprazan and Its Metabolite: Application for Predicting Food Effect and Intragastric pH Alterations. Pharmaceutics, 2022, 14, 1298.	4.5	4
87	Altered Pharmacokinetics of Daunorubicin in Rats with CCl4-Induced Hepatic Injury. Journal of Pharmacy and Pharmaceutical Sciences, 2007, 10, 443.	2.1	3
88	Evaluation of drug–drug interaction potential between DA-9801 and metformin. Journal of Pharmaceutical Investigation, 2014, 44, 401-409.	5.3	3
89	Physiologically Based Pharmacokinetic Modeling of Fimasartan, Amlodipine, and Hydrochlorothiazide for the Investigation of Drugâ€“Drug Interaction Potentials. Pharmaceutical Research, 2018, 35, 236.	3.5	3
90	Dietary inclusion of Achyranthes japonica extract to corn-soybean meal-wheat-based diet on the growth performance, nutrient digestibility, cecal microflora, excreta noxious gas emission, and meat quality of broiler chickens. Poultry Science, 2022, 101, 101852.	3.4	3

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91	Enhancing Dissolution and Oral Bioavailability of Ursodeoxycholic Acid with a Spray-Dried pH-Modified Extended Release Formulation. Pharmaceutics, 2022, 14, 1037.	4.5	3
92	Determination of Belotecan in the Plasma, Bile, and Urine of Rats by High-Performance Liquid Chromatography with Fluorescence Detection and Its Application to a Pharmacokinetic Study. Analytical Letters, 2009, 42, 68-83.	1.8	1
93	Involvement of multidrug resistance proteins (MRPs) in the efflux of vardenafil. Journal of Pharmaceutical Investigation, 2012, 42, 65-70.	5.3	1
94	HS-23, a standardized extract of the dried flower buds of Lonicera japonica, has no major impact on drug transporters and on the pharmacokinetics of ceftriaxone and levofloxacin in rats. Journal of Pharmaceutical Investigation, 2016, 46, 13-19.	5.3	1