

Ikumi Tamai

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197
papers

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54
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99
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202
ext. papers

11,510
ext. citations

4
avg, IF

6.1
L-index

#	Paper	IF	Citations
197	Molecular identification and characterization of novel members of the human organic anion transporter (OATP) family. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 273, 251-60	3.4	549
196	Molecular and functional identification of sodium ion-dependent, high affinity human carnitine transporter OCTN2. <i>Journal of Biological Chemistry</i> , 1998 , 273, 20378-82	5.4	533
195	Primary systemic carnitine deficiency is caused by mutations in a gene encoding sodium ion-dependent carnitine transporter. <i>Nature Genetics</i> , 1999 , 21, 91-4	36.3	461
194	Involvement of human organic anion transporting polypeptide OATP-B (SLC21A9) in pH-dependent transport across intestinal apical membrane. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 306, 703-8	4.7	358
193	Cloning and characterization of a novel human pH-dependent organic cation transporter, OCTN1. <i>FEBS Letters</i> , 1997 , 419, 107-11	3.8	347
192	Carrier-mediated intestinal transport of drugs. <i>Pharmaceutical Research</i> , 1996 , 13, 963-77	4.5	318
191	Functional characterization of pH-sensitive organic anion transporting polypeptide OATP-B in human. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 438-45	4.7	301
190	Genetic polymorphisms of human organic anion transporters OATP-C (SLC21A6) and OATP-B (SLC21A9): allele frequencies in the Japanese population and functional analysis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 804-13	4.7	287
189	Transporter-mediated permeation of drugs across the blood-brain barrier. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 1371-88	3.9	277
188	Role of organic anion transporter OATP1B1 (OATP-C) in hepatic uptake of irinotecan and its active metabolite, 7-ethyl-10-hydroxycamptothecin: in vitro evidence and effect of single nucleotide polymorphisms. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 434-9	4	263
187	Molecular and functional characterization of organic cation/carnitine transporter family in mice. <i>Journal of Biological Chemistry</i> , 2000 , 275, 40064-72	5.4	243
186	SGLT2 inhibitor lowers serum uric acid through alteration of uric acid transport activity in renal tubule by increased glycosuria. <i>Biopharmaceutics and Drug Disposition</i> , 2014 , 35, 391-404	1.7	197
185	Functional characterization of human organic anion transporting polypeptide B (OATP-B) in comparison with liver-specific OATP-C. <i>Pharmaceutical Research</i> , 2001 , 18, 1262-9	4.5	184
184	Direct evidence for peptide transporter (PepT1)-mediated uptake of a nonpeptide prodrug, valacyclovir. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 250, 246-51	3.4	183
183	Molecular and physiological evidence for multifunctionality of carnitine/organic cation transporter OCTN2. <i>Molecular Pharmacology</i> , 2001 , 59, 358-66	4.3	171
182	Predominant contribution of organic anion transporting polypeptide OATP-B (OATP2B1) to apical uptake of estrone-3-sulfate by human intestinal Caco-2 cells. <i>Drug Metabolism and Disposition</i> , 2006 , 34, 1423-31	4	146
181	Extra-renal elimination of uric acid via intestinal efflux transporter BCRP/ABCG2. <i>PLoS ONE</i> , 2012 , 7, e30456	3.7	145

180	Carrier-mediated or specialized transport of drugs across the blood-brain barrier. <i>Advanced Drug Delivery Reviews</i> , 1999 , 36, 277-290	18.5	143
179	Oral drug delivery utilizing intestinal OATP transporters. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 508-18.5	18.5	128
178	p-aminohippuric acid transport at renal apical membrane mediated by human inorganic phosphate transporter NPT1. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 270, 254-9	3.4	127
177	Transcellular transport of benzoic acid across Caco-2 cells by a pH-dependent and carrier-mediated transport mechanism. <i>Pharmaceutical Research</i> , 1994 , 11, 30-7	4.5	126
176	The effects of the SLCO2B1 c.1457C > T polymorphism and apple juice on the pharmacokinetics of fexofenadine and midazolam in humans. <i>Pharmacogenetics and Genomics</i> , 2011 , 21, 84-93	1.9	124
175	Na(+)-coupled transport of L-carnitine via high-affinity carnitine transporter OCTN2 and its subcellular localization in kidney. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001 , 1512, 273-84	3.8	121
174	Functional relevance of carnitine transporter OCTN2 to brain distribution of L-carnitine and acetyl-L-carnitine across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2001 , 79, 959-69	6	119
173	Effect of gamma-butyrobetaine on fatty liver in juvenile visceral steatosis mice. <i>Journal of Pharmacy and Pharmacology</i> , 2001 , 53, 527-33	4.8	115
172	Putative transport mechanism and intracellular fate of trans-1-amino-3-18F-fluorocyclobutanecarboxylic acid in human prostate cancer. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 822-9	8.9	112
171	Species difference in the effect of grapefruit juice on intestinal absorption of talinolol between human and rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 181-9	4.7	106
170	Oxaliplatin transport mediated by organic cation/carnitine transporters OCTN1 and OCTN2 in overexpressing human embryonic kidney 293 cells and rat dorsal root ganglion neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 338, 537-47	4.7	103
169	Pharmacological and pathophysiological roles of carnitine/organic cation transporters (OCTNs: SLC22A4, SLC22A5 and Slc22a21). <i>Biopharmaceutics and Drug Disposition</i> , 2013 , 34, 29-44	1.7	101
168	Solute carrier transporters as targets for drug delivery and pharmacological intervention for chemotherapy. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3731-50	3.9	91
167	Immunohistochemical and functional characterization of pH-dependent intestinal absorption of weak organic acids by the monocarboxylic acid transporter MCT1. <i>Journal of Pharmacy and Pharmacology</i> , 1999 , 51, 1113-21	4.8	91
166	Involvement of OCTN1 (SLC22A4) in pH-dependent transport of organic cations. <i>Molecular Pharmaceutics</i> , 2004 , 1, 57-66	5.6	91
165	Identification of influx transporter for the quinolone antibacterial agent levofloxacin. <i>Molecular Pharmaceutics</i> , 2007 , 4, 85-94	5.6	89
164	Genetic polymorphisms of OATP transporters and their impact on intestinal absorption and hepatic disposition of drugs. <i>Drug Metabolism and Pharmacokinetics</i> , 2012 , 27, 106-21	2.2	87
163	Concentration-dependent mode of interaction of angiotensin II receptor blockers with uric acid transporter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 211-7	4.7	82

162	Involvement of multidrug resistance-associated protein 2 in intestinal secretion of grepafloxacin in rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 344-9	5.9	81
161	Transport of ipratropium, an anti-chronic obstructive pulmonary disease drug, is mediated by organic cation/carnitine transporters in human bronchial epithelial cells: implications for carrier-mediated pulmonary absorption. <i>Molecular Pharmaceutics</i> , 2010 , 7, 187-95	5.6	77
160	Improvement of L-dopa absorption by dipeptidyl derivation, utilizing peptide transporter PepT1. <i>Journal of Pharmaceutical Sciences</i> , 1998 , 87, 1542-6	3.9	74
159	Organic cation/carnitine transporter OCTN2 (Slc22a5) is responsible for carnitine transport across apical membranes of small intestinal epithelial cells in mouse. <i>Molecular Pharmacology</i> , 2006 , 70, 829-374.3	4.3	74
158	Cancer cell-targeted drug delivery utilizing oligopeptide transport activity. <i>International Journal of Cancer</i> , 2000 , 88, 274-280	7.5	72
157	Concentration-dependent effect of naringin on intestinal absorption of beta(1)-adrenoceptor antagonist talinolol mediated by p-glycoprotein and organic anion transporting polypeptide (Oatp). <i>Pharmaceutical Research</i> , 2009 , 26, 560-7	4.5	71
156	Proton-cotransport of pravastatin across intestinal brush-border membrane. <i>Pharmaceutical Research</i> , 1995 , 12, 1727-32	4.5	70
155	Involvement of uric acid transporter in increased renal clearance of the xanthine oxidase inhibitor oxypurinol induced by a uricosuric agent, benzbromarone. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 1791-5	4	69
154	Involvement of uric acid transporters in alteration of serum uric acid level by angiotensin II receptor blockers. <i>Pharmaceutical Research</i> , 2008 , 25, 639-46	4.5	68
153	Impact of system L amino acid transporter 1 (LAT1) on proliferation of human ovarian cancer cells: a possible target for combination therapy with anti-proliferative aminopeptidase inhibitors. <i>Biochemical Pharmacology</i> , 2010 , 80, 811-8	6	67
152	Molecular and functional identification of large neutral amino acid transporters LAT1 and LAT2 and their pharmacological relevance at the blood-brain barrier. <i>Journal of Pharmacy and Pharmacology</i> , 2001 , 53, 497-503	4.8	66
151	Intestinal absorption of HMG-CoA reductase inhibitor pravastatin mediated by organic anion transporting polypeptide. <i>Pharmaceutical Research</i> , 2010 , 27, 2141-9	4.5	65
150	Acetyl-L-carnitine permeability across the blood-brain barrier and involvement of carnitine transporter OCTN2. <i>Biopharmaceutics and Drug Disposition</i> , 2003 , 24, 357-65	1.7	65
149	Effect of plasma protein binding on in vitro-in vivo correlation of biliary excretion of drugs evaluated by sandwich-cultured rat hepatocytes. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1275-82	4	63
148	Involvement of multidrug resistance-associated protein 2 (Abcc2) in molecular weight-dependent biliary excretion of beta-lactam antibiotics. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1088-96	4	60
147	Renal secretion of uric acid by organic anion transporter 2 (OAT2/SLC22A7) in human. <i>Biological and Pharmaceutical Bulletin</i> , 2010 , 33, 498-503	2.3	56
146	Studies on functional sites of organic cation/carnitine transporter OCTN2 (SLC22A5) using a Ser467Cys mutant protein. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 1286-94	4.7	56
145	Functional pleiotropy of organic anion transporting polypeptide OATP2B1 due to multiple binding sites. <i>Drug Metabolism and Pharmacokinetics</i> , 2012 , 27, 360-4	2.2	54

144	Intestinal absorption mechanism of tebipenem pivoxil, a novel oral carbapenem: involvement of human OATP family in apical membrane transport. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1747-56	5.6	54
143	Interaction of Drug or Food with Drug Transporters in Intestine and Liver. <i>Current Drug Metabolism</i> , 2015 , 16, 753-64	3.5	54
142	Suppression of cell proliferation by inhibition of estrone-3-sulfate transporter in estrogen-dependent breast cancer cells. <i>Pharmaceutical Research</i> , 2005 , 22, 1634-41	4.5	53
141	Identification and species similarity of OATP transporters responsible for hepatic uptake of beta-lactam antibiotics. <i>Drug Metabolism and Pharmacokinetics</i> , 2008 , 23, 347-55	2.2	52
140	Differential effect of grapefruit juice on intestinal absorption of statins due to inhibition of organic anion transporting polypeptide and/or P-glycoprotein. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3843-53	3.9	50
139	OATP transporter-mediated drug absorption and interaction. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 859-63	5.1	49
138	Enhanced expression of organic anion transporting polypeptides (OATPs) in androgen receptor-positive prostate cancer cells: possible role of OATP1A2 in adaptive cell growth under androgen-depleted conditions. <i>Biochemical Pharmacology</i> , 2012 , 84, 1070-7	6	49
137	Intestinal absorption of HMG-CoA reductase inhibitor pitavastatin mediated by organic anion transporting polypeptide and P-glycoprotein/multidrug resistance 1. <i>Drug Metabolism and Pharmacokinetics</i> , 2011 , 26, 171-9	2.2	49
136	Transport of the dopamine D2 agonist pramipexole by rat organic cation transporters OCT1 and OCT2 in kidney. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 495-9	4	48
135	Carrier-mediated approaches for oral drug delivery. <i>Advanced Drug Delivery Reviews</i> , 1996 , 20, 5-32	18.5	47
134	Functional expression of carnitine/organic cation transporter OCTN1/SLC22A4 in mouse small intestine and liver. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1665-72	4	46
133	Functional characterization of ergothioneine transport by rat organic cation/carnitine transporter Octn1 (slc22a4). <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 1580-4	2.3	45
132	Involvement of estrone-3-sulfate transporters in proliferation of hormone-dependent breast cancer cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 311, 1032-7	4.7	45
131	Oseltamivir (tamiflu) is a substrate of peptide transporter 1. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1676-81	4	44
130	Long-lasting inhibitory effect of apple and orange juices, but not grapefruit juice, on OATP2B1-mediated drug absorption. <i>Drug Metabolism and Disposition</i> , 2013 , 41, 615-21	4	42
129	Substrate- and dose-dependent drug interactions with grapefruit juice caused by multiple binding sites on OATP2B1. <i>Pharmaceutical Research</i> , 2014 , 31, 2035-43	4.5	40
128	Major active components in grapefruit, orange, and apple juices responsible for OATP2B1-mediated drug interactions. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3418-26	3.9	40
127	Major active components in grapefruit, orange, and apple juices responsible for OATP2B1-mediated drug interactions. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 280-8	3.9	40

126	Enhanced intestinal absorption of drugs by activation of peptide transporter PEPT1 using proton-releasing polymer. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 2208-16	3.9	40
125	Active intestinal secretion of new quinolone antimicrobials and the partial contribution of P-glycoprotein. <i>Journal of Pharmacy and Pharmacology</i> , 2001 , 53, 699-709	4.8	39
124	Functional cooperation of URAT1 (SLC22A12) and URATv1 (SLC2A9) in renal reabsorption of urate. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 603-11	4.3	37
123	Gene-dose effect on carnitine transport activity in embryonic fibroblasts of JVS mice as a model of human carnitine transporter deficiency. <i>Biochemical Pharmacology</i> , 1998 , 55, 1729-32	6	37
122	Mechanism of the regulation of organic cation/carnitine transporter 1 (SLC22A4) by rheumatoid arthritis-associated transcriptional factor RUNX1 and inflammatory cytokines. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 394-401	4	35
121	Blood-brain barrier transport of pramipexole, a dopamine D2 agonist. <i>Life Sciences</i> , 2007 , 80, 1564-71	6.8	35
120	Apple-Derived Nanoparticles Modulate Expression of Organic-Anion-Transporting Polypeptide (OATP) 2B1 in Caco-2 Cells. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5772-5780	5.6	35
119	Organic cation transporter-mediated renal secretion of ipratropium and tiotropium in rats and humans. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 117-22	4	34
118	Loss of wild-type carrier-mediated L-carnitine transport activity in hepatocytes of juvenile visceral steatosis mice. <i>Hepatology</i> , 1999 , 30, 997-1001	11.2	34
117	Active intestinal absorption of fluoroquinolone antibacterial agent ciprofloxacin by organic anion transporting polypeptide, Oatp1a5. <i>Biopharmaceutics and Drug Disposition</i> , 2012 , 33, 332-41	1.7	33
116	Nucleoside transport at the blood-testis barrier studied with primary-cultured sertoli cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 312, 601-8	4.7	33
115	Organic Anion Transporting Polypeptide (OATP)2B1 Contributes to Gastrointestinal Toxicity of Anticancer Drug SN-38, Active Metabolite of Irinotecan Hydrochloride. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 1-7	4	32
114	Transport of carnitine and acetylcarnitine by carnitine/organic cation transporter (OCTN) 2 and OCTN3 into epididymal spermatozoa. <i>Reproduction</i> , 2007 , 134, 651-8	3.8	31
113	Prostaglandin Transporter (PGT/SLCO2A1) Protects the Lung from Bleomycin-Induced Fibrosis. <i>PLoS ONE</i> , 2015 , 10, e0123895	3.7	30
112	Effect of milk on the pharmacokinetics of oseltamivir in healthy volunteers. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3854-61	3.9	29
111	Quantitative time-lapse imaging-based analysis of drug-drug interaction mediated by hepatobiliary transporter, multidrug resistance-associated protein 2, in sandwich-cultured rat hepatocytes. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 984-91	4	29
110	Involvement of rat and human organic anion transporter 3 in the renal tubular secretion of topotecan [(S)-9-dimethylaminomethyl-10-hydroxy-camptothecin hydrochloride]. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 1246-52	4.7	29
109	Accumulation of trans-1-amino-3-[(18F)fluorocyclobutanecarboxylic acid in prostate cancer due to androgen-induced expression of amino acid transporters. <i>Molecular Imaging and Biology</i> , 2014 , 16, 756-64	3.8	28

108	Uptake transporter organic anion transporting polypeptide 1B3 contributes to the growth of estrogen-dependent breast cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 122, 180-5	5.1	28
107	Transporter-mediated intestinal absorption of fexofenadine in rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2006 , 21, 308-14	2.2	28
106	Carnitine/xenobiotics transporters in the human mammary gland epithelia, MCF12A. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R793-802	3.2	26
105	Carnitine content and expression of mitochondrial beta-oxidation enzymes in placentas of wild-type (OCTN2(+/+)) and OCTN2 Null (OCTN2(-/-)) Mice. <i>Pediatric Research</i> , 2004 , 56, 323-8	3.2	26
104	Identification and functional characterization of uric acid transporter Urat1 (Slc22a12) in rats. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1441-7	3.8	25
103	Regulation of drug transporters by the farnesoid X receptor in mice. <i>Molecular Pharmaceutics</i> , 2004 , 1, 281-9	5.6	25
102	Hyperuricemia enhances intracellular urate accumulation via down-regulation of cell-surface BCRP/ABCG2 expression in vascular endothelial cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 973-980	3.8	24
101	Effects of one-time apple juice ingestion on the pharmacokinetics of fexofenadine enantiomers. <i>European Journal of Clinical Pharmacology</i> , 2014 , 70, 1087-95	2.8	24
100	OATP2A1/SLCO2A1-mediated prostaglandin E2 loading into intracellular acidic compartments of macrophages contributes to exocytotic secretion. <i>Biochemical Pharmacology</i> , 2015 , 98, 629-38	6	24
99	Possible role of anion exchanger AE2 as the intestinal monocarboxylic acid/anion antiporter. <i>Pharmaceutical Research</i> , 1998 , 15, 411-6	4.5	24
98	Roles of Organic Anion Transporting Polypeptide 2A1 (OATP2A1/SLCO2A1) in Regulating the Pathophysiological Actions of Prostaglandins. <i>AAPS Journal</i> , 2017 , 20, 13	3.7	24
97	Prostaglandin Transporter OATP2A1/ Is Essential for Body Temperature Regulation during Fever. <i>Journal of Neuroscience</i> , 2018 , 38, 5584-5595	6.6	24
96	A novel role for OATP2A1/SLCO2A1 in a murine model of colon cancer. <i>Scientific Reports</i> , 2017 , 7, 16567	4.9	23
95	OCTN2-mediated transport of carnitine in isolated Sertoli cells. <i>Reproduction</i> , 2005 , 129, 729-36	3.8	23
94	The change of pharmacokinetics of fexofenadine enantiomers through the single and simultaneous grapefruit juice ingestion. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 352-7	2.2	22
93	Mathematical modeling of the in vitro hepatic disposition of mycophenolic acid and its glucuronide in sandwich-cultured human hepatocytes. <i>Molecular Pharmaceutics</i> , 2014 , 11, 568-79	5.6	22
92	Dehydroepiandrosterone sulfate, a useful endogenous probe for evaluation of drug-drug interaction on hepatic organic anion transporting polypeptide (OATP) in cynomolgus monkeys. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 198-204	2.2	22
91	Effect of tyrosine kinase inhibitors on renal handling of creatinine by MATE1. <i>Scientific Reports</i> , 2018 , 8, 9237	4.9	22

90	Cancer cells uptake porphyrins via heme carrier protein 1. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013 , 17, 36-43	1.8	21
89	Influx and efflux transport of H1-antagonist epinastine across the blood-brain barrier. <i>Drug Metabolism and Disposition</i> , 2004 , 32, 519-24	4	21
88	A role of prostaglandin transporter in regulating PGE ₂ release from human bronchial epithelial BEAS-2B cells in response to LPS. <i>Journal of Endocrinology</i> , 2013 , 217, 265-74	4.7	20
87	Transport of organic cations across the blood-testis barrier. <i>Molecular Pharmaceutics</i> , 2007 , 4, 600-7	5.6	20
86	Hepatic uptake of gamma-butyrobetaine, a precursor of carnitine biosynthesis, in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, G681-6	5.1	18
85	Functional regions of organic cation/carnitine transporter OCTN2 (SLC22A5): roles in carnitine recognition. <i>Drug Metabolism and Pharmacokinetics</i> , 2004 , 19, 180-9	2.2	18
84	Prostaglandin transporter (OATP2A1/SLCO2A1) contributes to local disposition of eicosapentaenoic acid-derived PGE ₃ . <i>Prostaglandins and Other Lipid Mediators</i> , 2016 , 122, 10-7	3.7	17
83	Identification of the Catechin Uptake Transporter Responsible for Intestinal Absorption of Epigallocatechin Gallate in Mice. <i>Scientific Reports</i> , 2019 , 9, 11014	4.9	17
82	Functional cooperation of SMCTs and URAT1 for renal reabsorption transport of urate. <i>Drug Metabolism and Pharmacokinetics</i> , 2013 , 28, 153-8	2.2	17
81	In vivo evidence of organic cation transporter-mediated tracheal accumulation of the anticholinergic agent ipratropium in mice. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3373-81	3.9	17
80	Transport characteristics of L-citrulline in renal apical membrane of proximal tubular cells. <i>Biopharmaceutics and Drug Disposition</i> , 2009 , 30, 126-37	1.7	17
79	Characterization of human OATP2B1 (SLCO2B1) gene promoter regulation. <i>Pharmaceutical Research</i> , 2006 , 23, 513-20	4.5	17
78	Molecular localization and characterization of multiple binding sites of organic anion transporting polypeptide 2B1 (OATP2B1) as the mechanism for substrate and modulator dependent drug-drug interaction. <i>MedChemComm</i> , 2016 , 7, 1775-1782	5	17
77	Organic anion transporting polypeptide 2B1 expression correlates with uptake of estrone-3-sulfate and cell proliferation in estrogen receptor-positive breast cancer cells. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 133-41	2.2	16
76	Transport mechanisms of hepatic uptake and bile excretion in clinical hepatobiliary scintigraphy with ^{99m} Tc-N-pyridoxyl-5-methyltryptophan. <i>Nuclear Medicine and Biology</i> , 2014 , 41, 338-42	2.1	16
75	Putative roles of organic anion transporting polypeptides (OATPs) in cell survival and progression of human cancers. <i>Biopharmaceutics and Drug Disposition</i> , 2014 , 35, 463-84	1.7	16
74	Peptide derivation of poorly absorbable drug allows intestinal absorption via peptide transporter. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1775-87	3.9	16
73	3CL Protease Inhibitors with an Electrophilic Arylketone Moiety as Anti-SARS-CoV-2 Agents. <i>Journal of Medicinal Chemistry</i> , 2021 ,	8.3	16

72	Evaluation of hepatic disposition of paroxetine using sandwich-cultured rat and human hepatocytes. <i>Drug Metabolism and Disposition</i> , 2013 , 41, 735-43	4	15
71	Inhibitory Effect of Crizotinib on Creatinine Uptake by Renal Secretory Transporter OCT2. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2899-2903	3.9	14
70	Impact of Organic Cation Transporters (OCT-SLC22A) on Differential Diagnosis of Intrahepatic Lesions. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 166-173	4	14
69	ABCG2 requires a single aromatic amino acid to "clamp" substrates and inhibitors into the binding pocket. <i>FASEB Journal</i> , 2020 , 34, 4890-4903	0.9	14
68	Impact of FDA-Approved Drugs on the Prostaglandin Transporter OATP2A1/SLCO2A1. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2483-2490	3.9	13
67	Local Drug-Drug Interaction of Donepezil with Cilostazol at Breast Cancer Resistance Protein (ABCG2) Increases Drug Accumulation in Heart. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 68-74	4	13
66	Involvement of organic anion transporting polypeptide 1a5 (Oatp1a5) in the intestinal absorption of endothelin receptor antagonist in rats. <i>Pharmaceutical Research</i> , 2008 , 25, 1085-91	4.5	13
65	Carnitine/organic cation transporter OCTN2-mediated transport of carnitine in primary-cultured epididymal epithelial cells. <i>Reproduction</i> , 2005 , 130, 931-7	3.8	13
64	Application of quantitative time-lapse imaging (QTLI) for evaluation of Mrp2-based drug-drug interaction induced by liver metabolites. <i>Toxicology and Applied Pharmacology</i> , 2012 , 263, 244-50	4.6	12
63	Effects of angiotensin II receptor blockers on renal handling of uric acid in rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2008 , 23, 263-70	2.2	12
62	Transport mechanism of cephalexin in isolated hepatocytes. <i>Journal of Pharmacobio-dynamics</i> , 1987 , 10, 632-8		12
61	Identification of MRP2 as a targetable factor limiting oxaliplatin accumulation and response in gastrointestinal cancer. <i>Scientific Reports</i> , 2019 , 9, 2245	4.9	11
60	Analysis of the Metabolic Pathway of Bosentan and of the Cytotoxicity of Bosentan Metabolites Based on a Quantitative Modeling of Metabolism and Transport in Sandwich-Cultured Human Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 16-27	4	11
59	Sandwich-Cultured Hepatocytes for Mechanistic Understanding of Hepatic Disposition of Parent Drugs and Metabolites by Transporter-Enzyme Interplay. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 680-691	4	11
58	Role of OATP2A1 in PGE(2) secretion from human colorectal cancer cells via exocytosis in response to oxidative stress. <i>Experimental Cell Research</i> , 2016 , 341, 123-31	4.2	11
57	Kinetic Evaluation of Determinant Factors for Cellular Accumulation of Protoporphyrin IX Induced by External 5-Aminolevulinic Acid for Photodynamic Cancer Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 3092-100	3.9	11
56	In-vitro evidence of enhanced breast cancer resistance protein-mediated intestinal urate secretion by uremic toxins in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 170-7	4.8	11
55	Functional characterization of apical transporters expressed in rat proximal tubular cells (PTCs) in primary culture. <i>Molecular Pharmaceutics</i> , 2011 , 8, 2142-50	5.6	11

54	Involvement of Concentrative Nucleoside Transporter 1 in Intestinal Absorption of Trifluridine Using Human Small Intestinal Epithelial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 3146-53	3.9	10
53	Contribution of equilibrative nucleoside transporter(s) to intestinal basolateral and apical transports of anticancer trifluridine. <i>Biopharmaceutics and Drug Disposition</i> , 2018 , 39, 38-46	1.7	10
52	Synthesis of [¹¹ C]uric acid, using [¹¹ C]phosgene, as a possible biomarker in PET imaging for diagnosis of gout. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 115-9	2.9	9
51	Different Efflux Transporter Affinity and Metabolism of Tc-2-Methoxyisobutylisonitrile and Tc-Tetrofosmin for Multidrug Resistance Monitoring in Cancer. <i>Pharmaceutical Research</i> , 2018 , 36, 18	4.5	9
50	Modeling approach for multiple transporters-mediated drug-drug interactions in sandwich-cultured human hepatocytes: effect of cyclosporin A on hepatic disposition of mycophenolic acid phenyl-glucuronide. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 142-8	2.2	8
49	Usefulness of kidney slices for functional analysis of apical reabsorptive transporters. <i>Scientific Reports</i> , 2017 , 7, 12814	4.9	7
48	Rat Kidney Slices for Evaluation of Apical Membrane Transporters in Proximal Tubular Cells. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2798-2804	3.9	7
47	Changes of drug pharmacokinetics mediated by downregulation of kidney organic cation transporters Mate1 and Oct2 in a rat model of hyperuricemia. <i>PLoS ONE</i> , 2019 , 14, e0214862	3.7	7
46	Contribution of Prostaglandin Transporter OATP2A1/SLCO2A1 to Placenta-to-Maternal Hormone Signaling and Labor Induction. <i>IScience</i> , 2020 , 23, 101098	6.1	7
45	Effect of endogenous multidrug resistance 1 and P-glycoprotein expression on anticancer drug resistance in colon cancer cell lines. <i>Biopharmaceutics and Drug Disposition</i> , 2019 , 40, 32-43	1.7	7
44	Different Involvement of OAT in Renal Disposition of Oral Anticoagulants Rivaroxaban, Dabigatran, and Apixaban. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2524-2534	3.9	6
43	A retrospective study of treatment and prophylaxis of ifosfamide-induced hemorrhagic cystitis in pediatric and adolescent and young adult (AYA) patients with solid tumors. <i>Japanese Journal of Clinical Oncology</i> , 2016 , 46, 856-61	2.8	6
42	Experimental Evidence for Resecretion of PGE across Rat Alveolar Epithelium by OATP2A1/S-Mediated Transcellular Transport. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 368, 317-325	4.7	6
41	Comparative Evaluation of Dehydroepiandrosterone Sulfate Potential to Predict Hepatic Organic Anion Transporting Polypeptide Transporter-Based Drug-Drug Interactions. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 224-227	4	5
40	Impact of Breast Cancer Resistance Protein Expression on the In Vitro Efficacy of Anticancer Drugs in Pancreatic Cancer Cell Lines. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 214-222	4	5
39	More relevant prediction for in vivo drug interaction of candesartan cilexetil on hepatic bile acid transporter BSEP using sandwich-cultured hepatocytes. <i>Drug Metabolism and Pharmacokinetics</i> , 2014 , 29, 94-6	2.2	5
38	Carnitine precursor βbutyrobetaine is a novel substrate of the Na(+)- and Cl(-)-dependent GABA transporter Gat2. <i>Drug Metabolism and Pharmacokinetics</i> , 2011 , 26, 632-6	2.2	4
37	Renal Reabsorptive Transport of Uric Acid Precursor Xanthine by URAT1 and GLUT9. <i>Biological and Pharmaceutical Bulletin</i> , 2020 , 43, 1792-1798	2.3	4

36	Post-transcriptional regulation of OATP2B1 transporter by a microRNA, miR-24. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 515-521	2.2	4
35	Mathematical modeling analysis of hepatic uric acid disposition using human sandwich-cultured hepatocytes. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 432-440	2.2	4
34	Pillar[6]arene acts as a biosensor for quantitative detection of a vitamin metabolite in crude biological samples. <i>Communications Chemistry</i> , 2020 , 3,	6.3	4
33	Uric acid analogue as a possible xenobiotic marker of uric acid transporter Urat1 in rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 155-158	2.2	4
32	Co-localization of microsomal prostaglandin E synthase-1 with cyclooxygenase-1 in layer II of murine placental syncytiotrophoblasts. <i>Placenta</i> , 2017 , 53, 76-82	3.4	3
31	Cyclophosphamide-induced hemorrhagic cystitis in young patients with solid tumors: A single institution study. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2018 , 14, e460-e464	1.9	3
30	In vivo hepatic clearance of lipophilic drugs predicted by in vitro uptake data into cryopreserved hepatocytes suspended in sera of rats, guinea pigs, monkeys and humans. <i>Xenobiotica</i> , 2019 , 49, 887-894 ²		3
29	How does whisky lower serum urate level?. <i>Phytotherapy Research</i> , 2014 , 28, 788-90	6.7	3
28	Transport mechanism and affinity of [99mTc]Tc-mercaptoacetyltriglycine ([99mTc]MAG3) on the apical membrane of renal proximal tubule cells. <i>Nuclear Medicine and Biology</i> , 2020 , 84-85, 33-37	2.1	3
27	Toxicological implication of prostaglandin transporter SLCO2A1 inhibition by cigarette smoke in exacerbation of lung inflammation. <i>Toxicology and Applied Pharmacology</i> , 2020 , 405, 115201	4.6	3
26	[I]MIBG exports via MRP transporters and inhibition of the MRP transporters improves accumulation of [I]MIBG in neuroblastoma. <i>Nuclear Medicine and Biology</i> , 2020 , 90-91, 49-54	2.1	3
25	Association of miR-145 With Statin-Induced Skeletal Muscle Toxicity in Human Rhabdomyosarcoma RD Cells. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2873-2880	3.9	2
24	Uptake Pathway of Apple-derived Nanoparticle by Intestinal Cells to Deliver its Cargo. <i>Pharmaceutical Research</i> , 2021 , 38, 523-530	4.5	2
23	Membrane Transporters Contributing to PGE Distribution in Central Nervous System. <i>Biological and Pharmaceutical Bulletin</i> , 2018 , 41, 1337-1347	2.3	2
22	Influence of osmolality on gastrointestinal fluid volume and drug absorption: potential impact on oral salt supplementation. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 29	1.8	2
21	Imaging of hepatic drug transporters with [I]6-β-iodomethyl-19-norcholesterol. <i>Scientific Reports</i> , 2019 , 9, 13413	4.9	1
20	Gordon L. Amidon: Very Sustained Drug Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2650-63		1
19	Quantification of Prostaglandin E Concentration in Interstitial Fluid from the Hypothalamic Region of Free-moving Mice. <i>Bio-protocol</i> , 2019 , 9, e3324	0.9	1

18	Assessment of drug transporters involved in the urinary secretion of [Tc]dimercaptosuccinic acid. <i>Nuclear Medicine and Biology</i> , 2021 , 94-95, 92-97	2.1	1
17	Identification of Triterpene Acids in Extract as Bile Acid Uptake Transporter Inhibitors. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 353-360	4	1
16	A Novel Fluorescence-Based Method to Evaluate Ileal Apical Sodium-Dependent Bile Acid Transporter ASBT. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 1392-1400	3.9	1
15	Drug Transcellular Transport Assay Using a High Porosity Honeycomb Film. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 635-641	2.3	1
14	MicroRNAs in Apple-Derived Nanoparticles Modulate Intestinal Expression of Organic Anion-Transporting Peptide 2B1/ in Caco-2 Cells. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 803-809	4	1
13	Cancer cell-targeted drug delivery utilizing oligopeptide transport activity 2000 , 88, 274		1
12	CD38 activation by monosodium urate crystals contributes to inflammatory responses in human and murine macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 581, 6-11	3.4	0
11	Foreword. <i>Biological and Pharmaceutical Bulletin</i> , 2018 , 41, 1322-1323	2.3	0
10	Model Analysis of the Apparent Saturation Kinetics of Purine Nucleobase Uptake in Cells co-Expressing Transporter and Metabolic Enzyme. <i>Pharmaceutical Research</i> , 2021 , 38, 1585-1592	4.5	0
9	Characterization of Aripiprazole Uptake Transporter in the Blood-Brain Barrier Model hCMEC/D3 Cells by Targeted siRNA Screening.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0
8	Identification of the Uptake Transporter Responsible for Distribution of Acotiamide into Stomach Tissue. <i>Molecular Pharmaceutics</i> , 2020 , 17, 1071-1078	5.6	
7	Oral drug delivery targeting intestinal transporter. <i>Drug Delivery System</i> , 2012 , 27, 350-360	0	
6	Regulatory Effect of Fruit-derived Nanoparticle on Intestinal Transporters. <i>FASEB Journal</i> , 2018 , 32, 6936.9		
5	Tissue Selective Drug Delivery Utilizing Oligopeptide Transporter. <i>Drug Metabolism and Pharmacokinetics</i> , 1997 , 12, 94-95		
4	Angiotensin II Receptor Blockers Induce Alteration of Serum Uric Acid Level via Renal Uric Acid Transporters. A Review of the Authors' Current Research. <i>Gout and Nucleic Acid Metabolism</i> , 2009 , 33, 149-162		
3	Analysis of Intestinal Transporters. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2013 , 179-199	0.5	
2	Oral drug delivery system targeting intestinal transporters. <i>Drug Delivery System</i> , 2018 , 33, 377-389	0	
1	Evaluation of Platinum Anticancer Drug-Induced Kidney Injury in Primary Culture of Rat Kidney Tissue Slices by Using Gas-Permeable Plates.. <i>Biological and Pharmaceutical Bulletin</i> , 2022 , 45, 316-322	2.3	

