

Tetsuya Terasaki

List of Publications by Year in descending order

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340
papers

18,870
citations

9784

73
h-index

20955

115
g-index

346
all docs

346
docs citations

346
times ranked

14501
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative targeted absolute proteomics of human bloodâ€‘brain barrier transporters and receptors. <i>Journal of Neurochemistry</i> , 2011, 117, 333-345.	3.9	683
2	Quantitative Atlas of Membrane Transporter Proteins: Development and Application of a Highly Sensitive Simultaneous LC/MS/MS Method Combined with Novel In-silico Peptide Selection Criteria. <i>Pharmaceutical Research</i> , 2008, 25, 1469-1483.	3.5	453
3	Contribution of Carrier-Mediated Transport Systems to the Bloodâ€‘Brain Barrier as a Supporting and Protecting Interface for the Brain; Importance for CNS Drug Discovery and Development. <i>Pharmaceutical Research</i> , 2007, 24, 1745-1758.	3.5	411
4	Simultaneous Absolute Protein Quantification of Transporters, Cytochromes P450, and UDP-Glucuronosyltransferases as a Novel Approach for the Characterization of Individual Human Liver: Comparison with mRNA Levels and Activities. <i>Drug Metabolism and Disposition</i> , 2012, 40, 83-92.	3.3	373
5	In vitro models for the bloodâ€‘brain barrier. <i>Toxicology in Vitro</i> , 2005, 19, 299-334.	2.4	365
6	Transcriptomic and Quantitative Proteomic Analysis of Transporters and Drug Metabolizing Enzymes in Freshly Isolated Human Brain Microvessels. <i>Molecular Pharmaceutics</i> , 2011, 8, 1332-1341.	4.6	324
7	A pericyteâ€‘derived angiopoietinâ€‘1 multimeric complex induces occludin gene expression in brain capillary endothelial cells through Tieâ€‘2 activation <i>in vitro</i> . <i>Journal of Neurochemistry</i> , 2004, 89, 503-513.	3.9	299
8	P-glycoprotein as the drug efflux pump in primary cultured bovine brain capillary endothelial cells. <i>Life Sciences</i> , 1992, 51, 1427-1437.	4.3	253
9	Inducible Nitric Oxide Synthase Isoform Is a Key Mediator of Leukostasis and Blood-Retinal Barrier Breakdown in Diabetic Retinopathy. , 2007, 48, 5257.		220
10	Thioredoxin interacting protein (TXNIP) induces inflammation through chromatin modification in retinal capillary endothelial cells under diabetic conditions. <i>Journal of Cellular Physiology</i> , 2009, 221, 262-272.	4.1	214
11	Quantitative Atlas of Bloodâ€‘Brain Barrier Transporters, Receptors, and Tight Junction Proteins in Rats and Common Marmoset. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3343-3355.	3.3	198
12	Quantitative Membrane Protein Expression at the Bloodâ€‘Brain Barrier of Adult and Younger Cynomolgus Monkeys. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3939-3950.	3.3	197
13	Role of blood-brain barrier organic anion transporter 3 (OAT3) in the efflux of indoxyl sulfate, a uremic toxin: its involvement in neurotransmitter metabolite clearance from the brain. <i>Journal of Neurochemistry</i> , 2002, 83, 57-66.	3.9	196
14	In vivo and in vitro blood-brain barrier transport of 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase inhibitors. <i>Pharmaceutical Research</i> , 1994, 11, 305-311.	3.5	190
15	Quantitative Targeted Absolute Proteomic Analysis of Transporters, Receptors and Junction Proteins for Validation of Human Cerebral Microvascular Endothelial Cell Line hCMEC/D3 as a Human Bloodâ€‘Brain Barrier Model. <i>Molecular Pharmaceutics</i> , 2013, 10, 289-296.	4.6	190
16	A study protocol for quantitative targeted absolute proteomics (QTAP) by LC-MS/MS: application for inter-strain differences in protein expression levels of transporters, receptors, claudin-5, and marker proteins at the bloodâ€‘brain barrier in ddY, FVB, and C57BL/6J mice. <i>Fluids and Barriers of the CNS</i> , 2013, 10, 21.	5.0	185
17	The Bloodâ€‘Brain Barrier Creatine Transporter is a Major Pathway for Supplying Creatine to the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1327-1335.	4.3	161
18	Involvement of the Pylamine Transporter, a Putative Organic Cation Transporter, in Blood-Brain Barrier Transport of Oxycodone. <i>Drug Metabolism and Disposition</i> , 2008, 36, 2005-2013.	3.3	160

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19	New approaches to in vitro models of blood-brain barrier drug transport. <i>Drug Discovery Today</i> , 2003, 8, 944-954.	6.4	158
20	Rat Organic Anion Transporter 3 (rOAT3) is Responsible for Brain-to-Blood Efflux of Homovanillic Acid at the Abluminal Membrane of Brain Capillary Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 432-440.	4.3	151
21	GAT2/BGT-1 as a System Responsible for the Transport of $\hat{1}^3$ -Aminobutyric Acid at the Mouse Blood-Brain Barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1232-1239.	4.3	150
22	Simultaneous Absolute Quantification of 11 Cytochrome P450 Isoforms in Human Liver Microsomes by Liquid Chromatography Tandem Mass Spectrometry with In Silico Target Peptide Selection. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 341-352.	3.3	150
23	Distinct cellular expressions of creatine synthetic enzyme GAMT and creatine kinases uCK \hat{M} i and CK \hat{B} suggest a novel neuron-glial relationship for brain energy homeostasis. <i>European Journal of Neuroscience</i> , 2004, 20, 144-160.	2.6	149
24	Restricted transport of cyclosporin A across the blood-brain barrier by a multidrug transporter, P-glycoprotein. <i>Biochemical Pharmacology</i> , 1993, 46, 1096-1099.	4.4	147
25	Conditionally Immortalized Retinal Capillary Endothelial Cell Lines (TR-iBRB) Expressing Differentiated Endothelial Cell Functions Derived from a Transgenic Rat. <i>Experimental Eye Research</i> , 2001, 72, 163-172.	2.6	147
26	Physiologically Based Pharmacokinetic Model for $\hat{1}^2$ -Lactam Antibiotics I: Tissue Distribution and Elimination Rates. <i>Journal of Pharmaceutical Sciences</i> , 1983, 72, 1239-1252.	3.3	145
27	Exogenous expression of claudin-5 induces barrier properties in cultured rat brain capillary endothelial cells. <i>Journal of Cellular Physiology</i> , 2007, 210, 81-86.	4.1	144
28	A functional in vitro model of rat blood-brain barrier for molecular analysis of efflux transporters. <i>Brain Research</i> , 2007, 1150, 1-13.	2.2	140
29	Transcellular transport of benzoic acid across Caco-2 cells by a pH-dependent and carrier-mediated transport mechanism. <i>Pharmaceutical Research</i> , 1994, 11, 30-37.	3.5	139
30	Efficient transfer of receptor-associated protein (RAP) across the blood-brain barrier. <i>Journal of Cell Science</i> , 2004, 117, 5071-5078.	2.0	135
31	Characterization of the organic cation transporter SLC22A16: A doxorubicin importer. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 754-762.	2.1	134
32	Functional expression of rat ABCG2 on the luminal side of brain capillaries and its enhancement by astrocyte-derived soluble factor(s). <i>Journal of Neurochemistry</i> , 2004, 90, 526-536.	3.9	131
33	Major role of organic anion transporter 3 in the transport of indoxyl sulfate in the kidney. <i>Kidney International</i> , 2002, 61, 1760-1768.	5.2	128
34	Blood-Brain Barrier Is Involved in the Efflux Transport of a Neuroactive Steroid, Dehydroepiandrosterone Sulfate, via Organic Anion Transporting Polypeptide 2. <i>Journal of Neurochemistry</i> , 2002, 75, 1907-1916.	3.9	127
35	Quantitative Targeted Absolute Proteomics-Based Adme Research as A New Path to Drug Discovery and Development: Methodology, Advantages, Strategy, and Prospects. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3547-3559.	3.3	125
36	SLCO4C1 Transporter Eliminates Uremic Toxins and Attenuates Hypertension and Renal Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2546-2555.	6.1	124

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37	Distinct spatio-temporal expression of ABCA and ABCG transporters in the developing and adult mouse brain. <i>Journal of Neurochemistry</i> , 2005, 95, 294-304.	3.9	121
38	Absolute Quantification and Differential Expression of Drug Transporters, Cytochrome P450 Enzymes, and UDP-Glucuronosyltransferases in Cultured Primary Human Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2012, 40, 93-103.	3.3	121
39	Inhibition of TXNIP expression in vivo blocks early pathologies of diabetic retinopathy. <i>Cell Death and Disease</i> , 2010, 1, e65-e65.	6.3	117
40	Blood-Brain Barrier (BBB) Pharmacoproteomics: Reconstruction of In Vivo Brain Distribution of 11 P-Glycoprotein Substrates Based on the BBB Transporter Protein Concentration, In Vitro Intrinsic Transport Activity, and Unbound Fraction in Plasma and Brain in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 579-588.	2.5	116
41	mRNA expression levels of tight junction protein genes in mouse brain capillary endothelial cells highly purified by magnetic cell sorting. <i>Journal of Neurochemistry</i> , 2008, 104, 147-154.	3.9	115
42	Functional characterization of the brain-to-blood efflux clearance of human amyloid- β peptide (1-40) across the rat blood-brain barrier. <i>Neuroscience Research</i> , 2006, 56, 246-252.	1.9	113
43	Quantitative Proteomics of Transporter Expression in Brain Capillary Endothelial Cells Isolated from P-Glycoprotein (P-gp), Breast Cancer Resistance Protein (Bcrp), and P-gp/Bcrp Knockout Mice. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1164-1169.	3.3	112
44	Establishment of a new conditionally immortalized human brain microvascular endothelial cell line retaining an in vivo blood-brain barrier function. <i>Journal of Cellular Physiology</i> , 2010, 225, 519-528.	4.1	109
45	Large-scale multiplex absolute protein quantification of drug-metabolizing enzymes and transporters in human intestine, liver, and kidney microsomes by SWATH-MS: Comparison with MRM/SRM and HR-MRM/PRM. <i>Proteomics</i> , 2016, 16, 2106-2117.	2.2	109
46	Efficient Delivery of Circulating Poliovirus to the Central Nervous System Independently of Poliovirus Receptor. <i>Virology</i> , 1997, 229, 421-428.	2.4	106
47	Regulation of taurine transport at the blood-brain barrier by tumor necrosis factor- α , taurine and hypertonicity. <i>Journal of Neurochemistry</i> , 2002, 83, 1188-1195.	3.9	105
48	Insulin Facilitates the Hepatic Clearance of Plasma Amyloid β -Peptide (1-40) by Intracellular Translocation of Low-Density Lipoprotein Receptor-Related Protein 1 (LRP-1) to the Plasma Membrane in Hepatocytes. <i>Molecular Pharmacology</i> , 2007, 72, 850-855.	2.3	105
49	$A\beta$ Immunotherapy: Intracerebral Sequestration of $A\beta$ by an Anti- $A\beta$ Monoclonal Antibody 266 with High Affinity to Soluble $A\beta$. <i>Journal of Neuroscience</i> , 2009, 29, 11393-11398.	3.6	103
50	mRNA Expression and Transport Characterization of Conditionally Immortalized Rat Brain Capillary Endothelial Cell Lines; a New <i>in vitro</i> BBB Model for Drug Targeting. <i>Journal of Drug Targeting</i> , 2000, 8, 357-370.	4.4	102
51	Peripheral nerve pericytes modify the blood-nerve barrier function and tight junctional molecules through the secretion of various soluble factors. <i>Journal of Cellular Physiology</i> , 2011, 226, 255-266.	4.1	101
52	Major Involvement of Low-Density Lipoprotein Receptor-Related Protein 1 in the Clearance of Plasma Free Amyloid β -Peptide by the Liver. <i>Pharmaceutical Research</i> , 2006, 23, 1407-1416.	3.5	100
53	MCT1-mediated transport of L-lactic acid at the inner blood-retinal barrier: a possible route for delivery of monocarboxylic acid drugs to the retina. <i>Pharmaceutical Research</i> , 2001, 18, 1669-1676.	3.5	99
54	Peripheral Nerve pericytes originating from the blood-nerve barrier expresses tight junctional molecules and transporters as barrier-forming cells. <i>Journal of Cellular Physiology</i> , 2008, 217, 388-399.	4.1	99

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55	The Low Density Lipoprotein Receptor-related Protein 1 Mediates Uptake of Amyloid β^2 Peptides in an in Vitro Model of the Blood-Brain Barrier Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 34554-34562.	3.4	99
56	Critical role of TXNIP in oxidative stress, DNA damage and retinal pericyte apoptosis under high glucose: Implications for diabetic retinopathy. <i>Experimental Cell Research</i> , 2013, 319, 1001-1012.	2.6	97
57	The blood-brain barrier efflux transporters as a detoxifying system for the brain. <i>Advanced Drug Delivery Reviews</i> , 1999, 36, 195-209.	13.7	93
58	Depletion of Vitamin E Increases Amyloid β^2 Accumulation by Decreasing Its Clearances from Brain and Blood in a Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2009, 284, 33400-33408.	3.4	91
59	Brain Insulin Impairs Amyloid- β^2 (1-40) Clearance from the Brain. <i>Journal of Neuroscience</i> , 2004, 24, 9632-9637.	3.6	90
60	Identification of blood biomarkers in glioblastoma by SWATH mass spectrometry and quantitative targeted absolute proteomics. <i>PLoS ONE</i> , 2018, 13, e0193799.	2.5	87
61	L-Type Amino Acid Transporter 1-Mediated Leucine Transport at the Inner Blood-Retinal Barrier. , 2005, 46, 2522.		86
62	Quantitative targeted absolute proteomics of rat blood-brain barrier transporters: comparison with a human specimen. <i>Journal of Neurochemistry</i> , 2015, 134, 1104-1115.	3.9	86
63	Conditionally Immortalized Cell Lines as a New In Vitro Model for the Study of Barrier Functions. <i>Biological and Pharmaceutical Bulletin</i> , 2001, 24, 111-118.	1.4	85
64	Expression and regulation of L-cystine transporter, system xc ⁻ , in the newly developed rat retinal Müller cell line (TR-MUL). <i>Glia</i> , 2003, 43, 208-217.	4.9	85
65	1 α ,25-Dihydroxyvitamin D ₃ enhances cerebral clearance of human amyloid- β^2 peptide(1-40) from mouse brain across the blood-brain barrier. <i>Fluids and Barriers of the CNS</i> , 2011, 8, 20.	5.0	85
66	Vitamin C Transport in Oxidized Form across the Rat Blood-Retinal Barrier. , 2004, 45, 1232.		84
67	Blood-Brain Barrier Produces Significant Efflux of L-Aspartic Acid but Not D-Aspartic Acid. <i>Journal of Neurochemistry</i> , 2001, 73, 1206-1211.	3.9	83
68	Na ⁺ - and Cl ⁻ -Dependent transport of taurine at the blood-brain barrier. <i>Biochemical Pharmacology</i> , 1995, 50, 1783-1793.	4.4	81
69	Efflux of a suppressive neurotransmitter, GABA, across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2008, 79, 110-118.	3.9	81
70	Major involvement of Na ⁺ -dependent multivitamin transporter (SLC5A6/SMVT) in uptake of biotin and pantothenic acid by human brain capillary endothelial cells. <i>Journal of Neurochemistry</i> , 2015, 134, 97-112.	3.9	81
71	Organic anion transporter 3 is involved in the brain-to-blood efflux transport of thiopurine nucleobase analogs. <i>Journal of Neurochemistry</i> , 2004, 90, 931-941.	3.9	80
72	Diphenhydramine Active Uptake at the Blood-Brain Barrier and Its Interaction with Oxycodone in vitro and in Vivo. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3912-3923.	3.3	79

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73	Role of efflux transport across the blood-brain barrier and blood-cerebrospinal fluid barrier on the disposition of xenobiotics in the central nervous system. <i>Advanced Drug Delivery Reviews</i> , 1997, 25, 257-285.	13.7	77
74	Localization of norepinephrine and serotonin transporter in mouse brain capillary endothelial cells. <i>Neuroscience Research</i> , 2002, 44, 173-180.	1.9	76
75	Identification of IGFBP2 and IGFBP3 As Compensatory Biomarkers for CA19-9 in Early-Stage Pancreatic Cancer Using a Combination of Antibody-Based and LC-MS/MS-Based Proteomics. <i>PLoS ONE</i> , 2016, 11, e0161009.	2.5	76
76	Cerebral clearance of human amyloid β peptide (1 β -40) across the blood \rightarrow brain barrier is reduced by self β -aggregation and formation of low β -density lipoprotein receptor β -related protein β -1 ligand complexes. <i>Journal of Neurochemistry</i> , 2007, 103, 2482-2490.	3.9	75
77	Pharmacokinetic Study on the Mechanism of Tissue Distribution of Doxorubicin: Interorgan and Interspecies Variation of Tissue-To-Plasma Partition Coefficients in Rats, Rabbits, and Guinea Pigs. <i>Journal of Pharmaceutical Sciences</i> , 1984, 73, 1359-1363.	3.3	74
78	Mouse Reduced in Osteosclerosis Transporter Functions as an Organic Anion Transporter 3 and Is Localized at Abluminal Membrane of Blood-Brain Barrier. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 1273-1281.	2.5	74
79	Induction of Endoplasmic Reticulum Stress in Retinal Pericytes by Glucose Deprivation. <i>Current Eye Research</i> , 2006, 31, 947-953.	1.5	74
80	Brain-to-blood transporters for endogenous substrates and xenobiotics at the blood-brain barrier: An overview of biology and methodology. <i>NeuroRx</i> , 2005, 2, 63-72.	6.0	72
81	Quantitative expression of human drug transporter proteins in lung tissues: Analysis of regional, gender, and interindividual differences by liquid chromatography β -tandem mass spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3395-3406.	3.3	72
82	ATA2 Is Predominantly Expressed as System A at the Blood-Brain Barrier and Acts as Brain-to-Blood Efflux Transport for L-Proline. <i>Molecular Pharmacology</i> , 2002, 61, 1289-1296.	2.3	71
83	ATP-Binding Cassette Transporter G2 Mediates the Efflux of Phototoxins on the Luminal Membrane of Retinal Capillary Endothelial Cells. <i>Pharmaceutical Research</i> , 2006, 23, 1235-1242.	3.5	69
84	Quantitative Determination of Luminal and Abluminal Membrane Distributions of Transporters in Porcine Brain Capillaries by Plasma Membrane Fractionation and Quantitative Targeted Proteomics. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3060-3068.	3.3	69
85	Quantitative Atlas of Cytochrome P450, UDP-Glucuronosyltransferase, and Transporter Proteins in Jejunum of Morbidly Obese Subjects. <i>Molecular Pharmaceutics</i> , 2016, 13, 2631-2640.	4.6	69
86	Trans-chromosomal mice containing a human CYP3A cluster for prediction of xenobiotic metabolism in humans. <i>Human Molecular Genetics</i> , 2013, 22, 578-592.	2.9	68
87	In vivo transport of a dynorphin-like analgesic peptide, E-2078, through the blood-brain barrier: an application of brain microdialysis. <i>Pharmaceutical Research</i> , 1991, 08, 815-820.	3.5	67
88	Investigation of the Role of Breast Cancer Resistance Protein (Bcrp/ <i>Abcg2</i>) on Pharmacokinetics and Central Nervous System Penetration of Abacavir and Zidovudine in the Mouse. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1476-1484.	3.3	67
89	Involvement of Claudin-11 in Disruption of Blood-Brain, -Spinal Cord, and -Arachnoid Barriers in Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2019, 56, 2039-2056.	4.0	66
90	Function and regulation of taurine transport at the inner blood \rightarrow retinal barrier. <i>Microvascular Research</i> , 2007, 73, 100-106.	2.5	65

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91	Roles of Inner Blood-Retinal Barrier Organic Anion Transporter 3 in the Vitreous/Retina-to-Blood Efflux Transport of <i>p</i> -Aminohippuric Acid, Benzylpenicillin, and 6-Mercaptopurine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 87-93.	2.5	65
92	Rat Organic Anion Transporter 3 (rOAT3) Is Responsible for Brain-to-Blood Efflux of Homovanillic Acid at the Abluminal Membrane of Brain Capillary Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, , 432-440.	4.3	64
93	Conditionally immortalized brain capillary endothelial cell lines established from a transgenic mouse harboring temperature-sensitive simian virus 40 large T-antigen gene. <i>AAPS PharmSci</i> , 2000, 2, 69-79.	1.3	63
94	In Vitro Study of the Functional Expression of Organic Anion Transporting Polypeptide 3 at Rat Choroid Plexus Epithelial Cells and Its Involvement in the Cerebrospinal Fluid-to-Blood Transport of Estrone-3-Sulfate. <i>Molecular Pharmacology</i> , 2003, 63, 532-537.	2.3	63
95	Internalization of basic fibroblast growth factor at the mouse blood-brain barrier involves perlecan, a heparan sulfate proteoglycan. <i>Journal of Neurochemistry</i> , 2002, 83, 381-389.	3.9	62
96	Multichannel Liquid Chromatography-Tandem Mass Spectrometry Cocktail Method for Comprehensive Substrate Characterization of Multidrug Resistance-Associated Protein 4 Transporter. <i>Pharmaceutical Research</i> , 2007, 24, 2281-2296.	3.5	62
97	Functional expression of a proton-coupled organic cation (H ⁺ /OC) antiporter in human brain capillary endothelial cell line hCMEC/D3, a human blood-brain barrier model. <i>Fluids and Barriers of the CNS</i> , 2013, 10, 8.	5.0	62
98	Characterization of the amino acid transport of new immortalized choroid plexus epithelial cell lines: a novel in vitro system for investigating transport functions at the blood-cerebrospinal fluid barrier. <i>Pharmaceutical Research</i> , 2001, 18, 16-22.	3.5	61
99	Carrier-mediated uptake of nicotinic acid by rat intestinal brush-border membrane vesicles and relation to monocarboxylic acid transport.. <i>Journal of Pharmacobio-dynamics</i> , 1990, 13, 301-309.	0.5	60
100	Blood-to-retina transport of creatine via creatine transporter (CRT) at the rat inner blood-retinal barrier. <i>Journal of Neurochemistry</i> , 2004, 89, 1454-1461.	3.9	60
101	The Blood-Brain Barrier Creatine Transporter Is a Major Pathway for Supplying Creatine to the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1327-1335.	4.3	60
102	Human Platelets Express Organic Anion-Transporting Peptide 2B1, an Uptake Transporter for Atorvastatin. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1129-1137.	3.3	59
103	24S-hydroxycholesterol induces cholesterol release from choroid plexus epithelial cells in an apical- and apoE isoform-dependent manner concomitantly with the induction of ABCA1 and ABCG1 expression. <i>Journal of Neurochemistry</i> , 2007, 100, 968-978.	3.9	58
104	The L-isomer-selective transport of aspartic acid is mediated by ASCT2 at the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2004, 87, 891-901.	3.9	57
105	An Application of Microdialysis to Drug Tissue Distribution Study: In Vivo Evidence for Free-Ligand Hypothesis and Tissue Binding of .BETA.-Lactam Antibiotics in Interstitial Fluids.. <i>Journal of Pharmacobio-dynamics</i> , 1992, 15, 79-89.	0.5	55
106	Enhancement of L-Cystine Transport Activity and Its Relation to xCT Gene Induction at the Blood-Brain Barrier by Diethyl Maleate Treatment. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 225-231.	2.5	55
107	Coordinating Etk/Bmx activation and VEGF upregulation to promote cell survival and proliferation. <i>Oncogene</i> , 2002, 21, 8817-8829.	5.9	55
108	Reliability and Robustness of Simultaneous Absolute Quantification of Drug Transporters, Cytochrome P450 Enzymes, and Udp-Glucuronosyltransferases in Human Liver Tissue by Multiplexed MRM/Selected Reaction Monitoring Mode Tandem Mass Spectrometry with Nano-Liquid Chromatography. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4037-4043.	3.3	55

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109	Localization of organic anion transporting polypeptide 3 (oatp3) in mouse brain parenchymal and capillary endothelial cells. <i>Journal of Neurochemistry</i> , 2004, 90, 743-749.	3.9	54
110	Hyperammonemia induces transport of taurine and creatine and suppresses claudin-12 gene expression in brain capillary endothelial cells in vitro. <i>Neurochemistry International</i> , 2007, 50, 95-101.	3.8	53
111	Blood-Brain Barrier Pharmacoproteomics-Based Reconstruction of the In Vivo Brain Distribution of P-Glycoprotein Substrates in Cynomolgus Monkeys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 578-588.	2.5	52
112	Determination of in vivo steady-state unbound drug concentration in the brain interstitial fluid by microdialysis. <i>International Journal of Pharmaceutics</i> , 1992, 81, 143-152.	5.2	51
113	Involvement of organic anion transporters in the efflux of uremic toxins across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2006, 96, 1051-1059.	3.9	51
114	Muscle Microdialysis as a Model Study to Relate the Drug Concentration in Tissue Interstitial Fluid and Dialysate.. <i>Journal of Pharmacobio-dynamics</i> , 1991, 14, 483-492.	0.5	50
115	Differential Contributions of rOat1 (Slc22a6) and rOat3 (Slc22a8) to the in Vivo Renal Uptake of Uremic Toxins in Rats. <i>Pharmaceutical Research</i> , 2005, 22, 619-627.	3.5	50
116	ATP-binding cassette transporter A1 (ABCA1) deficiency does not attenuate the brain-to-blood efflux transport of human amyloid- β peptide (1-40) at the blood-brain barrier. <i>Neurochemistry International</i> , 2008, 52, 956-961.	3.8	50
117	Blood-to-brain influx transport of nicotine at the rat blood-brain barrier: Involvement of a pyrilamine-sensitive organic cation transport process. <i>Neurochemistry International</i> , 2013, 62, 173-181.	3.8	50
118	Cluster of Differentiation 46 Is the Major Receptor in Human Blood-brain Barrier Endothelial Cells for Uptake of Exosomes Derived from Brain-Metastatic Melanoma Cells (SK-Mel-28). <i>Molecular Pharmaceutics</i> , 2019, 16, 292-304.	4.6	50
119	Acidic drug transport in vivo through the blood-brain barrier. A role of the transport carrier for monocarboxylic acids.. <i>Journal of Pharmacobio-dynamics</i> , 1990, 13, 158-163.	0.5	49
120	Transport Mechanism of an H1-Antagonist at the Blood-Brain Barrier: Transport Mechanism of Mepyramine Using the Carotid Injection Technique.. <i>Biological and Pharmaceutical Bulletin</i> , 1994, 17, 676-679.	1.4	49
121	Expression and possible role of creatine transporter in the brain and at the blood-cerebrospinal fluid barrier as a transporting protein of guanidinoacetate, an endogenous convulsant. <i>Journal of Neurochemistry</i> , 2008, 107, 768-778.	3.9	49
122	β -Lactam antibiotics and transport via the dipeptide carrier system across the intestinal brush-border membrane. <i>Biochemical Pharmacology</i> , 1987, 36, 565-567.	4.4	48
123	Proteome analysis of rat serum proteins adsorbed onto synthetic octacalcium phosphate crystals. <i>Analytical Biochemistry</i> , 2011, 418, 276-285.	2.4	47
124	In vivo and in vitro evidence for a common carrier mediated transport of choline and basic drugs through the blood-brain barrier.. <i>Journal of Pharmacobio-dynamics</i> , 1990, 13, 353-360.	0.5	46
125	Experimental evidence of characteristic tissue distribution of adriamycin. Tissue DNA concentration as a determinant. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 34, 597-600.	2.4	46
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