

Tetsuya Terasaki

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338
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#	Paper	IF	Citations
338	Quantitative targeted absolute proteomics of human blood-brain barrier transporters and receptors. <i>Journal of Neurochemistry</i> , 2011 , 117, 333-45	6	552
337	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, 1469-83	4.5	400
336	Contribution of carrier-mediated transport systems to the blood-brain barrier as a supporting and protecting interface for the brain; importance for CNS drug discovery and development. <i>Pharmaceutical Research</i> , 2007 , 24, 1745-58	4.5	336
335	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	4	327
334	In vitro models for the blood-brain barrier. <i>Toxicology in Vitro</i> , 2005 , 19, 299-334	3.6	318
333	Transcriptomic and quantitative proteomic analysis of transporters and drug metabolizing enzymes in freshly isolated human brain microvessels. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1332-41	5.6	269
332	A pericyte-derived angiopoietin-1 multimeric complex induces occludin gene expression in brain capillary endothelial cells through Tie-2 activation in vitro. <i>Journal of Neurochemistry</i> , 2004 , 89, 503-13	6	261
331	P-glycoprotein as the drug efflux pump in primary cultured bovine brain capillary endothelial cells. <i>Life Sciences</i> , 1992 , 51, 1427-37	6.8	223
330	Inducible nitric oxide synthase isoform is a key mediator of leukostasis and blood-retinal barrier breakdown in diabetic retinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 5257-65		203
329	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, 262-72	7	179
328	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	6	171
327	Quantitative membrane protein expression at the blood-brain barrier of adult and younger cynomolgus monkeys. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3939-50	3.9	166
326	Quantitative atlas of blood-brain barrier transporters, receptors, and tight junction proteins in rats and common marmoset. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3343-55	3.9	159
325	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, 305-11	4.5	156
324	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 blood-brain barrier model. <i>Molecular Pharmaceutics</i> , 2013 , 10, 289-96	5.6	149
323	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 blood-brain barrier in ddY, FVB, and C57BL/6J mice. <i>Fluids and Barriers of the CNS</i> , 2013 , 10, 21	7	147
322	New approaches to in vitro models of blood-brain barrier drug transport. <i>Drug Discovery Today</i> , 2003 , 8, 944-54	8.8	145

321	Distinct cellular expressions of creatine synthetic enzyme GAMT and creatine kinases uCK-Mi and CK-B suggest a novel neuron-glia relationship for brain energy homeostasis. <i>European Journal of Neuroscience</i> , 2004 , 20, 144-60	3.5	140
320	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, 163-72	3.7	138
319	Restricted transport of cyclosporin A across the blood-brain barrier by a multidrug transporter, P-glycoprotein. <i>Biochemical Pharmacology</i> , 1993 , 46, 1096-9	6	135
318	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 , 22, 1327-35	7.3	134
317	Involvement of the pyrilamine transporter, a putative organic cation transporter, in blood-brain barrier transport of oxycodone. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 2005-13	4	132
316	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, 341-52	3.9	129
315	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, 432-40	7.3	129
314	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
313	A functional in vitro model of rat blood-brain barrier for molecular analysis of efflux transporters. <i>Brain Research</i> , 2007 , 1150, 1-13	3.7	124
312	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, 526-36	6	120
311	Efficient transfer of receptor-associated protein (RAP) across the blood-brain barrier. <i>Journal of Cell Science</i> , 2004 , 117, 5071-8	5.3	118
310	Exogenous expression of claudin-5 induces barrier properties in cultured rat brain capillary endothelial cells. <i>Journal of Cellular Physiology</i> , 2007 , 210, 81-6	7	114
309	GAT2/BGT-1 as a system responsible for the transport of gamma-aminobutyric acid at the mouse blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 1232-9	7.3	114
308	Physiologically based pharmacokinetic model for beta-lactam antibiotics I: Tissue distribution and elimination in rats. <i>Journal of Pharmaceutical Sciences</i> , 1983 , 72, 1239-52	3.9	114
307	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, 3547-59	3.9	111
306	Characterization of the organic cation transporter SLC22A16: a doxorubicin importer. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 754-62	3.4	110
305	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	4	109
304	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> , 2000 , 75, 1907-16	6	106

303	Major role of organic anion transporter 3 in the transport of indoxyl sulfate in the kidney. <i>Kidney International</i> , 2002 , 61, 1760-8	9.9	105
302	Functional characterization of the brain-to-blood efflux clearance of human amyloid-beta peptide (1-40) across the rat blood-brain barrier. <i>Neuroscience Research</i> , 2006 , 56, 246-52	2.9	104
301	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, 1164-9	4	101
300	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	6	100
299	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, 579-88	4.7	99
298	SLCO4C1 transporter eliminates uremic toxins and attenuates hypertension and renal inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 2546-55	12.7	97
297	Inhibition of TXNIP expression in vivo blocks early pathologies of diabetic retinopathy. <i>Cell Death and Disease</i> , 2010 , 1, e65	9.8	95
296	mRNA expression and transport characterization of conditionally immortalized rat brain capillary endothelial cell lines; a new in vitro BBB model for drug targeting. <i>Journal of Drug Targeting</i> , 2000 , 8, 357-70	5.4	95
295	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, 2106-17	4.8	93
294	Abeta immunotherapy: intracerebral sequestration of Abeta by an anti-Abeta monoclonal antibody 266 with high affinity to soluble Abeta. <i>Journal of Neuroscience</i> , 2009 , 29, 11393-8	6.6	91
293	Efficient delivery of circulating poliovirus to the central nervous system independently of poliovirus receptor. <i>Virology</i> , 1997 , 229, 421-8	3.6	90
292	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, 519-28	7	89
291	Regulation of taurine transport at the blood-brain barrier by tumor necrosis factor-alpha, taurine and hypertonicity. <i>Journal of Neurochemistry</i> , 2002 , 83, 1188-95	6	89
290	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, 388-99	7	87
289	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, 255-66	7	86
288	Insulin facilitates the hepatic clearance of plasma amyloid beta-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, 850-5	4.3	84
287	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, 147-54	6	83
286	Major involvement of low-density lipoprotein receptor-related protein 1 in the clearance of plasma free amyloid beta-peptide by the liver. <i>Pharmaceutical Research</i> , 2006 , 23, 1407-16	4.5	80

285	The low density lipoprotein receptor-related protein 1 mediates uptake of amyloid beta peptides in an in vitro model of the blood-brain barrier cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34554-62	5.4	79
284	Brain insulin impairs amyloid-beta(1-40) clearance from the brain. <i>Journal of Neuroscience</i> , 2004 , 24, 9632-7	5.7	79
283	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, 1669-76	4.5	79
282	L-type amino acid transporter 1-mediated L-leucine transport at the inner blood-retinal barrier. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2522-30		78
281	The blood-brain barrier efflux transporters as a detoxifying system for the brain. <i>Advanced Drug Delivery Reviews</i> , 1999 , 36, 195-209	18.5	78
280	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, 208-17	9	76
279	Conditionally immortalized cell lines as a new in vitro model for the study of barrier functions. <i>Biological and Pharmaceutical Bulletin</i> , 2001 , 24, 111-8	2.3	76
278	Vitamin C transport in oxidized form across the rat blood-retinal barrier. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 1232-9		74
277	Blood-brain barrier produces significant efflux of L-aspartic acid but not D-aspartic acid: in vivo evidence using the brain efflux index method. <i>Journal of Neurochemistry</i> , 1999 , 73, 1206-11	6	74
276	Organic anion transporter 3 is involved in the brain-to-blood efflux transport of thiopurine nucleobase analogs. <i>Journal of Neurochemistry</i> , 2004 , 90, 931-41	6	73
275	Na(+)- and Cl(-)-dependent transport of taurine at the blood-brain barrier. <i>Biochemical Pharmacology</i> , 1995 , 50, 1783-93	6	73
274	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, 1001-12	4.2	72
273	Depletion of vitamin E increases amyloid beta accumulation by decreasing its clearances from brain and blood in a mouse model of Alzheimer disease. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33400-8	5.4	72
272	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	18.5	68
271	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, 1273-81	4.7	68
270	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, 3912-23	3.9	65
269	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		65
268	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, 1289-96	4.3	65

267	Localization of norepinephrine and serotonin transporter in mouse brain capillary endothelial cells. <i>Neuroscience Research</i> , 2002 , 44, 173-80	2.9	65
266	¹²⁵ I-Dihydroxyvitamin D3 enhances cerebral clearance of human amyloid- β peptide(1-40) from mouse brain across the blood-brain barrier. <i>Fluids and Barriers of the CNS</i> , 2011 , 8, 20	7	64
265	Cerebral clearance of human amyloid-beta peptide (1-40) across the blood-brain barrier is reduced by self-aggregation and formation of low-density lipoprotein receptor-related protein-1 ligand complexes. <i>Journal of Neurochemistry</i> , 2007 , 103, 2482-90	6	64
264	Efflux of a suppressive neurotransmitter, GABA, across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2001 , 79, 110-8	6	64
263	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, 1235-42	4.5	64
262	Quantitative expression of human drug transporter proteins in lung tissues: analysis of regional, gender, and interindividual differences by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3395-406	3.9	63
261	Quantitative targeted absolute proteomics of rat blood-cerebrospinal fluid barrier transporters: comparison with a human specimen. <i>Journal of Neurochemistry</i> , 2015 , 134, 1104-15	6	63
260	Function and regulation of taurine transport at the inner blood-retinal barrier. <i>Microvascular Research</i> , 2007 , 73, 100-6	3.7	61
259	Induction of endoplasmic reticulum stress in retinal pericytes by glucose deprivation. <i>Current Eye Research</i> , 2006 , 31, 947-53	2.9	61
258	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, 532-7	4.3	61
257	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	7.3	60
256	Trans-chromosomal mice containing a human CYP3A cluster for prediction of xenobiotic metabolism in humans. <i>Human Molecular Genetics</i> , 2013 , 22, 578-92	5.6	59
255	Roles of inner blood-retinal barrier organic anion transporter 3 in the vitreous/retina-to-blood efflux transport of p-aminohippuric acid, benzylpenicillin, and 6-mercaptopurine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 87-93	4.7	59
254	Investigation of the role of breast cancer resistance protein (Bcrp/Abcg2) on pharmacokinetics and central nervous system penetration of abacavir and zidovudine in the mouse. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1476-84	4	59
253	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, 2281-96	4.5	59
252	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 , 8, 815-20	4.5	59
251	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, 1359-63	3.9	59
250	Blood-to-retina transport of creatine via creatine transporter (CRT) at the rat inner blood-retinal barrier. <i>Journal of Neurochemistry</i> , 2004 , 89, 1454-61	6	58

249	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, 381-9	6	56
248	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	3.7	56
247	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	7.3	56
246	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, 3060-8	3.9	55
245	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	6	55
244	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, E27		54
243	Human platelets express organic anion-transporting peptide 2B1, an uptake transporter for atorvastatin. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1129-37	4	53
242	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, 225-31	4.7	52
241	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, 4037-43	3.9	51
240	Coordinating Etk/Bmx activation and VEGF upregulation to promote cell survival and proliferation. <i>Oncogene</i> , 2002 , 21, 8817-29	9.2	51
239	Identification of blood biomarkers in glioblastoma by SWATH mass spectrometry and quantitative targeted absolute proteomics. <i>PLoS ONE</i> , 2018 , 13, e0193799	3.7	51
238	Quantitative Atlas of Cytochrome P450, UDP-Glucuronosyltransferase, and Transporter Proteins in Jejunum of Morbidly Obese Subjects. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2631-40	5.6	50
237	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	4.5	49
236	Localization of organic anion transporting polypeptide 3 (oatp3) in mouse brain parenchymal and capillary endothelial cells. <i>Journal of Neurochemistry</i> , 2004 , 90, 743-9	6	48
235	The L-isomer-selective transport of aspartic acid is mediated by ASCT2 at the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2003 , 87, 891-901	6	48
234	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, 968-78	6	47
233	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	7	46
232	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	4.4	46

231	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, 301-9		46
230	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, 768-78	6	45
229	ATP-binding cassette transporter A1 (ABCA1) deficiency does not attenuate the brain-to-blood efflux transport of human amyloid-beta peptide (1-40) at the blood-brain barrier. <i>Neurochemistry International</i> , 2008 , 52, 956-61	4.4	45
228	Involvement of organic anion transporters in the efflux of uremic toxins across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2006 , 96, 1051-9	6	44
227	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		43
226	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, 578-88	4.7	42
225	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	6.5	42
224	Proteome analysis of rat serum proteins adsorbed onto synthetic octacalcium phosphate crystals. <i>Analytical Biochemistry</i> , 2011 , 418, 276-85	3.1	41
223	Evidence for creatine biosynthesis in Müller glia. <i>Glia</i> , 2005 , 52, 47-52	9	41
222	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, 619-27	4.5	41
221	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, 676-93	3.3	41
220	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, 173-81	4.4	40
219	Functional characterization of rat plasma membrane monoamine transporter in the blood-brain and blood-cerebrospinal fluid barriers. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3924-38	3.9	40
218	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, 483-92		40
217	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	6.2	39
216	Amyloid- β peptide(1-40) elimination from cerebrospinal fluid involves low-density lipoprotein receptor-related protein 1 at the blood-cerebrospinal fluid barrier. <i>Journal of Neurochemistry</i> , 2011 , 118, 407-15	6	39
215	Platelet-derived growth factor-BB (PDGF-BB) induces differentiation of bone marrow endothelial progenitor cell-derived cell line TR-BME2 into mural cells, and changes the phenotype. <i>Journal of Cellular Physiology</i> , 2005 , 204, 948-55	7	39
214	Experimental evidence of characteristic tissue distribution of adriamycin. Tissue DNA concentration as a determinant. <i>Journal of Pharmacy and Pharmacology</i> , 1982 , 34, 597-600	4.8	38

213	Establishment of conditionally immortalized rat retinal pericyte cell lines (TR-rPCT) and their application in a co-culture system using retinal capillary endothelial cell line (TR-iBRB2). <i>Cell Structure and Function</i> , 2003 , 28, 145-53	2.2	38
212	Carrier-mediated transport of H1-antagonist at the blood-brain barrier: mepyramine uptake into bovine brain capillary endothelial cells in primary monolayer cultures. <i>Pharmaceutical Research</i> , 1994 , 11, 975-8	4.5	38
211	Intestinal brush-border transport of the oral cephalosporin antibiotic, cefdinir, mediated by dipeptide and monocarboxylic acid transport systems in rabbits. <i>Journal of Pharmacy and Pharmacology</i> , 1993 , 45, 996-8	4.8	37
210	Polarized glucose transporters and mRNA expression properties in newly developed rat syncytiotrophoblast cell lines, TR-TBTs. <i>Journal of Cellular Physiology</i> , 2002 , 193, 208-18	7	37
209	Recent advances in the brain-to-blood efflux transport across the blood-brain barrier. <i>International Journal of Pharmaceutics</i> , 2002 , 248, 15-29	6.5	37
208	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, 158-63		37
207	BMP signaling through BMPRIA in astrocytes is essential for proper cerebral angiogenesis and formation of the blood-brain-barrier. <i>Molecular and Cellular Neurosciences</i> , 2008 , 38, 417-30	4.8	36
206	Expression of nuclear receptor mRNA and liver X receptor-mediated regulation of ABC transporter A1 at rat blood-brain barrier. <i>Neurochemistry International</i> , 2008 , 52, 669-74	4.4	36
205	Endothelial cells constituting blood-nerve barrier have highly specialized characteristics as barrier-forming cells. <i>Cell Structure and Function</i> , 2007 , 32, 139-47	2.2	36
204	Correlation of induction of ATP binding cassette transporter A5 (ABCA5) and ABCB1 mRNAs with differentiation state of human colon tumor. <i>Biological and Pharmaceutical Bulletin</i> , 2007 , 30, 1144-6	2.3	36
203	Carrier-mediated transport of H1-antagonist at the blood-brain barrier: a common transport system of H1-antagonists and lipophilic basic drugs. <i>Pharmaceutical Research</i> , 1994 , 11, 1516-8	4.5	36
202	Beta-lactam antibiotics and transport via the dipeptide carrier system across the intestinal brush-border membrane. <i>Biochemical Pharmacology</i> , 1987 , 36, 565-7	6	36
201	LC-MS/MS Based Quantitation of ABC and SLC Transporter Proteins in Plasma Membranes of Cultured Primary Human Retinal Pigment Epithelium Cells and Immortalized ARPE19 Cell Line. <i>Molecular Pharmaceutics</i> , 2017 , 14, 605-613	5.6	34
200	Dominant expression of androgen receptors and their functional regulation of organic anion transporter 3 in rat brain capillary endothelial cells; comparison of gene expression between the blood-brain and -retinal barriers. <i>Journal of Cellular Physiology</i> , 2005 , 204, 896-900	7	34
199	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, 353-60		34
198	The blood-brain barrier fatty acid transport protein 1 (FATP1/SLC27A1) supplies docosahexaenoic acid to the brain, and insulin facilitates transport. <i>Journal of Neurochemistry</i> , 2017 , 141, 400-412	6	33
197	Quantitative targeted absolute proteomics for 28 human transporters in plasma membrane of Caco-2 cell monolayer cultured for 2, 3, and 4 weeks. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 205-8	2.2	33
196	Contribution of pannexin 1 and connexin 43 hemichannels to extracellular calcium-dependent transport dynamics in human blood-brain barrier endothelial cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 353, 192-200	4.7	32

195	Quantitative targeted proteomics for understanding the blood-brain barrier: towards pharmacoproteomics. <i>Expert Review of Proteomics</i> , 2014 , 11, 303-13	4.2	32
194	mRNA expression of the ATP-binding cassette transporter subfamily A (ABCA) in rat and human brain capillary endothelial cells. <i>Biological and Pharmaceutical Bulletin</i> , 2004 , 27, 1437-40	2.3	32
193	Receptor-recycling model of clearance and distribution of insulin in the perfused mouse liver. <i>Diabetologia</i> , 1991 , 34, 613-21	10.3	32
192	Absorptive-mediated endocytosis of an adrenocorticotrophic hormone (ACTH) analogue, ebitatide, into the blood-brain barrier: studies with monolayers of primary cultured bovine brain capillary endothelial cells. <i>Pharmaceutical Research</i> , 1992 , 9, 529-34	4.5	32
191	Induction of xCT gene expression and L-cystine transport activity by diethyl maleate at the inner blood-retinal barrier. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 774-9		32
190	Drug Transporter Protein Quantification of Immortalized Human Lung Cell Lines Derived from Tracheobronchial Epithelial Cells (Calu-3 and BEAS2-B), Bronchiolar-Alveolar Cells (NCI-H292 and NCI-H441), and Alveolar Type II-like Cells (A549) by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2022-36	3.9	31
189	Quantification of Transporter and Receptor Proteins in Dog Brain Capillaries and Choroid Plexus: Relevance for the Distribution in Brain and CSF of Selected BCRP and P-gp Substrates. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3436-3447	5.6	31
188	Establishment and characterization of human peripheral nerve microvascular endothelial cell lines: a new in vitro blood-nerve barrier (BNB) model. <i>Cell Structure and Function</i> , 2012 , 37, 89-100	2.2	31
187	Brain-to-blood elimination of 24S-hydroxycholesterol from rat brain is mediated by organic anion transporting polypeptide 2 (oatp2) at the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2007 , 103, 1430-8	6	31
186	Establishing a method to isolate rat brain capillary endothelial cells by magnetic cell sorting and dominant mRNA expression of multidrug resistance-associated protein 1 and 4 in highly purified rat brain capillary endothelial cells. <i>Pharmaceutical Research</i> , 2007 , 24, 688-94	4.5	31
185	Newly developed rat brain pericyte cell line, TR-PCT1, responds to transforming growth factor-beta1 and beta-glycerophosphate. <i>European Journal of Cell Biology</i> , 2002 , 81, 145-52	6.1	31
184	Blood-brain barrier transport of a novel micro 1-specific opioid peptide, H-Tyr-D-Arg-Phe-beta-Ala-OH (TAPA). <i>Journal of Neurochemistry</i> , 2003 , 84, 1154-61	6	31
183	Quantitative Targeted Proteomics of Pancreatic Cancer: Deoxycytidine Kinase Protein Level Correlates to Progression-Free Survival of Patients Receiving Gemcitabine Treatment. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3282-91	5.6	30
182	Quantitative targeted absolute proteomics-based large-scale quantification of proline-hydroxylated Fibrinogen in plasma for pancreatic cancer diagnosis. <i>Journal of Proteome Research</i> , 2013 , 12, 753-62	5.6	30
181	Involvement of multidrug resistance-associated protein 4 in efflux transport of prostaglandin E(2) across mouse blood-brain barrier and its inhibition by intravenous administration of cephalosporins. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 912-9	4.7	30
180	The blood-brain barrier transport and cerebral distribution of guanidinoacetate in rats: involvement of creatine and taurine transporters. <i>Journal of Neurochemistry</i> , 2009 , 111, 499-509	6	30
179	Activation of carrier-mediated transport of L-cystine at the blood-brain and blood-retinal barriers in vivo. <i>Microvascular Research</i> , 2001 , 62, 136-42	3.7	30
178	pH-dependent intestinal transport of monocarboxylic acids: carrier-mediated and H(+)-cotransport mechanism versus pH-partition hypothesis. <i>Journal of Pharmaceutical Sciences</i> , 1990 , 79, 1123-4	3.9	30

177	Differential binding of testosterone and estradiol to isoforms of sex hormone-binding globulin: selective alteration of estradiol binding in cirrhosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1988 , 67, 639-43	5.6	30
176	Validation of uPA/SCID mouse with humanized liver as a human liver model: protein quantification of transporters, cytochromes P450, and UDP-glucuronosyltransferases by LC-MS/MS. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 1039-43	4	29
175	In-vivo blood-brain barrier transport of a novel adrenocorticotrophic hormone analogue, ebitratide, demonstrated by brain microdialysis and capillary depletion methods. <i>Journal of Pharmacy and Pharmacology</i> , 1992 , 44, 583-8	4.8	29
174	Expression of ABC-type transport proteins in human platelets. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 396-400	1.9	29
173	Recombinant arginine deiminase as a differential modulator of inducible (iNOS) and endothelial (eNOS) nitric oxide synthetase activity in cultured endothelial cells. <i>Biochemical Pharmacology</i> , 2003 , 66, 1945-52	6	29
172	Brain-to-blood efflux transport of estrone-3-sulfate at the blood-brain barrier in rats. <i>Life Sciences</i> , 2000 , 67, 2699-711	6.8	29
171	Beneficial effects of estrogen in a mouse model of cerebrovascular insufficiency. <i>PLoS ONE</i> , 2009 , 4, e5159	3.7	29
170	Lack of brain-to-blood efflux transport activity of low-density lipoprotein receptor-related protein-1 (LRP-1) for amyloid-beta peptide(1-40) in mouse: involvement of an LRP-1-independent pathway. <i>Journal of Neurochemistry</i> , 2010 , 113, 1356-63	6	28
169	The blood-cerebrospinal fluid barrier is a major pathway of cerebral creatinine clearance: involvement of transporter-mediated process. <i>Journal of Neurochemistry</i> , 2008 , 107, 432-42	6	28
168	In vivo delivery of small interfering RNA targeting brain capillary endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 263-7	3.4	28
167	Effect of receptor up-regulation on insulin pharmacokinetics in streptozotocin-treated diabetic rats. <i>Pharmaceutical Research</i> , 1991 , 8, 563-9	4.5	28
166	From somatostatin to sandostatin: pharmacodynamics and pharmacokinetics. <i>Metabolism: Clinical and Experimental</i> , 1992 , 41, 7-10	12.7	28
165	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	5.6	28
164	Attenuation of prostaglandin E2 elimination across the mouse blood-brain barrier in lipopolysaccharide-induced inflammation and additive inhibitory effect of cefmetazole. <i>Fluids and Barriers of the CNS</i> , 2011 , 8, 24	7	27
163	Altered expression of basement membrane-related molecules in rat brain pericyte, endothelial, and astrocyte cell lines after transforming growth factor-beta1 treatment. <i>Drug Metabolism and Pharmacokinetics</i> , 2007 , 22, 255-66	2.2	27
162	A novel relationship between creatine transport at the blood-brain and blood-retinal barriers, creatine biosynthesis, and its use for brain and retinal energy homeostasis. <i>Sub-Cellular Biochemistry</i> , 2007 , 46, 83-98	5.5	27
161	Modulation and compensation of the mRNA expression of energy related transporters in the brain of glucose transporter 1-deficient mice. <i>Biological and Pharmaceutical Bulletin</i> , 2006 , 29, 1587-91	2.3	26
160	A new in vitro model for blood-cerebrospinal fluid barrier transport studies: an immortalized choroid plexus epithelial cell line derived from the tsA58 SV40 large T-antigen gene transgenic rat. <i>Advanced Drug Delivery Reviews</i> , 2004 , 56, 1875-85	18.5	26

159	Sodium and chloride ion-dependent transport of beta-alanine across the blood-brain barrier. <i>Journal of Neurochemistry</i> , 1996 , 67, 330-5	6	26
158	Retinal-specific ATP-binding cassette transporter (ABCR/ABCA4) is expressed at the choroid plexus in rat brain. <i>Journal of Neurochemistry</i> , 2005 , 92, 1277-80	6	26
157	Saturable uptake of cefixime, a new oral cephalosporin without an alpha-amino group, by the rat intestine. <i>Journal of Pharmacy and Pharmacology</i> , 1987 , 39, 272-7	4.8	25
156	Acidic amino acid transport characteristics of a newly developed conditionally immortalized rat type 2 astrocyte cell line (TR-AST). <i>Cell Structure and Function</i> , 2001 , 26, 197-203	2.2	25
155	Pharmacoproteomics-based reconstruction of in vivo P-glycoprotein function at blood-brain barrier and brain distribution of substrate verapamil in pentylenetetrazole-kindled epilepsy, spontaneous epilepsy, and phenytoin treatment models. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 1719-26	4	24
154	Reduction of L-type amino acid transporter 1 mRNA expression in brain capillaries in a mouse model of Parkinson's disease. <i>Biological and Pharmaceutical Bulletin</i> , 2010 , 33, 1250-2	2.3	24
153	Donepezil, tacrine and alpha-phenyl-n-tert-butyl nitron (PBN) inhibit choline transport by conditionally immortalized rat brain capillary endothelial cell lines (TR-BBB). <i>Archives of Pharmacal Research</i> , 2005 , 28, 443-50	6.1	24
152	Downregulation of GNA13-ERK network in prefrontal cortex of schizophrenia brain identified by combined focused and targeted quantitative proteomics. <i>Journal of Proteomics</i> , 2017 , 158, 31-42	3.9	23
151	Genomic Knockout of Endogenous Canine P-Glycoprotein in Wild-Type, Human P-Glycoprotein and Human BCRP Transfected MDCKII Cell Lines by Zinc Finger Nucleases. <i>Pharmaceutical Research</i> , 2015 , 32, 2060-71	4.5	23
150	Validation of a P-Glycoprotein (P-gp) Humanized Mouse Model by Integrating Selective Absolute Quantification of Human MDR1, Mouse Mdr1a and Mdr1b Protein Expressions with In Vivo Functional Analysis for Blood-Brain Barrier Transport. <i>PLoS ONE</i> , 2015 , 10, e0118638	3.7	23
149	Attenuation of phosphorylation by deoxycytidine kinase is key to acquired gemcitabine resistance in a pancreatic cancer cell line: targeted proteomic and metabolomic analyses in PK9 cells. <i>Pharmaceutical Research</i> , 2012 , 29, 2006-16	4.5	23
148	In-vivo and in-vitro evidence of a carrier-mediated efflux transport system for oestrone-3-sulphate across the blood-cerebrospinal fluid barrier. <i>Journal of Pharmacy and Pharmacology</i> , 2000 , 52, 281-8	4.8	23
147	In vivo evidence for brain-to-blood efflux transport of valproic acid across the blood-brain barrier. <i>Microvascular Research</i> , 2002 , 63, 233-8	3.7	23
146	Nuclear binding as a determinant of tissue distribution of adriamycin, daunomycin, adriamycinol, daunorubicinol and actinomycin D. <i>Journal of Pharmacobio-dynamics</i> , 1984 , 7, 269-77		23
145	Modulation of retinal capillary endothelial cells by Müller glial cell-derived factors. <i>Molecular Vision</i> , 2009 , 15, 451-7	2.3	23
144	GSK-3 β /CREB axis mediates IGF-1-induced ECM/adhesion molecule expression, cell cycle progression and monolayer permeability in retinal capillary endothelial cells: Implications for diabetic retinopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011 , 1812, 1080-8	6.9	22
143	Molecular-weight-dependent, anionic-substrate-preferential transport of β -lactam antibiotics via multidrug resistance-associated protein 4. <i>Drug Metabolism and Pharmacokinetics</i> , 2011 , 26, 602-11	2.2	22
142	Establishment and characterization of conditionally immortalized endothelial cell lines from the thoracic duct and inferior vena cava of tsA58/EGFP double-transgenic rats. <i>Cell and Tissue Research</i> , 2006 , 326, 749-58	4.2	22

141	Stereospecificity of triiodothyronine transport into brain, liver, and salivary gland: role of carrier- and plasma protein-mediated transport. <i>Endocrinology</i> , 1987 , 121, 1185-91	4.8	22
140	Abundant Expression of OCT2, MATE1, OAT1, OAT3, PEPT2, BCRP, MDR1, and xCT Transporters in Blood-Arachnoid Barrier of Pig and Polarized Localizations at CSF- and Blood-Facing Plasma Membranes. <i>Drug Metabolism and Disposition</i> , 2020 , 48, 135-145	4	22
139	Drug Clearance from Cerebrospinal Fluid Mediated by Organic Anion Transporters 1 (Slc22a6) and 3 (Slc22a8) at Arachnoid Membrane of Rats. <i>Molecular Pharmaceutics</i> , 2018 , 15, 911-922	5.6	21
138	Functional expression of intestinal dipeptide/beta-lactam antibiotic transporter in <i>Xenopus laevis</i> oocytes. <i>Biochemical Pharmacology</i> , 1994 , 48, 881-8	6	21
137	Mechanisms of intestinal absorption of the antibiotic, fosfomycin, in brush-border membrane vesicles in rabbits and humans. <i>Journal of Pharmacobio-dynamics</i> , 1992 , 15, 481-9		21
136	Identification of transporters associated with Etoposide sensitivity of stomach cancer cell lines and methotrexate sensitivity of breast cancer cell lines by quantitative targeted absolute proteomics. <i>Molecular Pharmacology</i> , 2013 , 83, 490-500	4.3	20
135	Involvement of insulin-degrading enzyme in insulin- and atrial natriuretic peptide-sensitive internalization of amyloid- β peptide in mouse brain capillary endothelial cells. <i>Journal of Alzheimer's Disease</i> , 2014 , 38, 185-200	4.3	20
134	Rat brain pericyte cell lines expressing beta2-adrenergic receptor, angiotensin II receptor type 1A, klotho, and CXCR4 mRNAs despite having endothelial cell markers. <i>Journal of Cellular Physiology</i> , 2003 , 197, 69-76	7	20
133	High Expression of UGT1A1/1A6 in Monkey Small Intestine: Comparison of Protein Expression Levels of Cytochromes P450, UDP-Glucuronosyltransferases, and Transporters in Small Intestine of Cynomolgus Monkey and Human. <i>Molecular Pharmaceutics</i> , 2018 , 15, 127-140	5.6	20
132	ATP-Binding Cassette Transporter A Subfamily 8 Is a Sinusoidal Efflux Transporter for Cholesterol and Taurocholate in Mouse and Human Liver. <i>Molecular Pharmaceutics</i> , 2018 , 15, 343-355	5.6	19
131	Targeting choroid plexus epithelia and ventricular ependyma for drug delivery to the central nervous system. <i>BMC Neuroscience</i> , 2011 , 12, 4	3.2	19
130	Characterization of immortalized choroid plexus epithelial cell lines for studies of transport processes across the blood-cerebrospinal fluid barrier. <i>Cerebrospinal Fluid Research</i> , 2010 , 7, 11		19
129	Characterization of the mechanism of zidovudine uptake by rat conditionally immortalized syncytiotrophoblast cell line TR-TBT. <i>Pharmaceutical Research</i> , 2008 , 25, 1647-53	4.5	19
128	Effects of arginine-vasopressin fragment 4-9 on rodent cholinergic systems. <i>Pharmacology Biochemistry and Behavior</i> , 1999 , 63, 549-53	3.9	19
127	Participation of monocarboxylic anion and bicarbonate exchange system for the transport of acetic acid and monocarboxylic acid drugs in the small intestinal brush-border membrane vesicles. <i>Journal of Pharmacobio-dynamics</i> , 1991 , 14, 501-8		19
126	Effect of extracellular water volume on the distribution kinetics of beta-lactam antibiotics as a function of age. <i>Journal of Pharmacobio-dynamics</i> , 1985 , 8, 167-74		19
125	mRNA expression and amino acid transport characteristics of cultured human brain microvascular endothelial cells (hBME). <i>Drug Metabolism and Pharmacokinetics</i> , 2002 , 17, 367-73	2.2	18
124	Evidence for a carrier-mediated transport system in the small intestine available for FK089, a new cephalosporin antibiotic without an amino group. <i>Journal of Antibiotics</i> , 1986 , 39, 1592-7	3.7	18

123	Comparison of Absolute Protein Abundances of Transporters and Receptors among Blood-Brain Barriers at Different Cerebral Regions and the Blood-Spinal Cord Barrier in Humans and Rats. <i>Molecular Pharmaceutics</i> , 2020 , 17, 2006-2020	5.6	18
122	Inner Blood-Retinal Barrier Dominantly Expresses Breast Cancer Resistance Protein: Comparative Quantitative Targeted Absolute Proteomics Study of CNS Barriers in Pig. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3729-3738	5.6	17
121	Is P-glycoprotein involved in amyloid- β elimination across the blood-brain barrier in Alzheimer's disease?. <i>Clinical Pharmacology and Therapeutics</i> , 2010 , 88, 443-5	6.1	17
120	Vascular endothelium-selective gene induction by Tie2 promoter/enhancer in the brain and retina of a transgenic rat. <i>Pharmaceutical Research</i> , 2005 , 22, 852-7	4.5	17
119	Actin filament-associated protein 1 (AFAP-1) is a key mediator in inflammatory signaling-induced rapid attenuation of intrinsic P-gp function in human brain capillary endothelial cells. <i>Journal of Neurochemistry</i> , 2017 , 141, 247-262	6	16
118	Physiological pharmacokinetics of beta-lactam antibiotics: penicillin V distribution and elimination after intravenous administration in rats. <i>Journal of Pharmacy and Pharmacology</i> , 1979 , 31, 116-9	4.8	16
117	Atrial natriuretic peptide is eliminated from the brain by natriuretic peptide receptor-C-mediated brain-to-blood efflux transport at the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 457-66	7.3	16
116	Blood-brain barrier permeability of novel [D-arg ²]dermorphin (1-4) analogs: transport property is related to the slow onset of antinociceptive activity in the central nervous system. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 177-84	4.7	16
115	Uptake of drugs and expression of P-glycoprotein in the rat 9L glioma. <i>Experimental Brain Research</i> , 1993 , 95, 41-50	2.3	16
114	Quantitative Targeted Absolute Proteomics for 28 Transporters in Brush-Border and Basolateral Membrane Fractions of Rat Kidney. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1011-1016	3.9	16
113	Oxidative stress-induced activation of Abl and Src kinases rapidly induces P-glycoprotein internalization via phosphorylation of caveolin-1 on tyrosine-14, decreasing cortisol efflux at the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 420-436	7.3	16
112	Current Progress Toward a Better Understanding of Drug Disposition Within the Lungs: Summary Proceedings of the First Workshop on Drug Transporters in the Lungs. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2234-2244	3.9	15
111	Drug-drug interaction between oxycodone and adjuvant analgesics in blood-brain barrier transport and antinociceptive effect. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 467-74	3.9	15
110	Increased JNK phosphorylation and oxidative stress in response to increased glucose flux through increased GLUT1 expression in rat retinal endothelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 3403-10		15
109	Targeted drug delivery to the brain; (blood-brain barrier, efflux, endothelium, biological transport). <i>Journal of Drug Targeting</i> , 2000 , 8, 353-5	5.4	15
108	Serum protein binding of lomefloxacin, a new antimicrobial agent, and its related quinolones. <i>Journal of Pharmaceutical Sciences</i> , 1989 , 78, 504-7	3.9	15
107	Dysfunction of choline transport system through blood-brain barrier in stroke-prone spontaneously hypertensive rats. <i>Journal of Pharmacobio-dynamics</i> , 1990 , 13, 10-9		15
106	Correlation of Organic Cation/Carnitine Transporter 1 and Multidrug Resistance-Associated Protein 1 Transport Activities With Protein Expression Levels in Primary Cultured Human Tracheal, Bronchial, and Alveolar Epithelial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 876-883	3.9	15

105	Quantitative Targeted Absolute Proteomics of Transporters and Pharmacoproteomics-Based Reconstruction of P-Glycoprotein Function in Mouse Small Intestine. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2443-56	5.6	14
104	Oral Morphine Pharmacokinetic in Obesity: The Role of P-Glycoprotein, MRP2, MRP3, UGT2B7, and CYP3A4 Jejunal Contents and Obesity-Associated Biomarkers. <i>Molecular Pharmaceutics</i> , 2016 , 13, 766-73	5.6	14
103	In-vitro evidence for carrier-mediated uptake of acidic drugs by isolated bovine brain capillaries. <i>Journal of Pharmacy and Pharmacology</i> , 1991 , 43, 172-6	4.8	14
102	The HMG-CoA reductase inhibitor pravastatin stimulates insulin secretion through organic anion transporter polypeptides. <i>Drug Metabolism and Pharmacokinetics</i> , 2010 , 25, 274-82	2.2	14
101	Polyol formation in cell lines of rat retinal capillary pericytes and endothelial cells (TR-rPCT and TR-iBRB). <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2009 , 25, 299-308	2.6	14
100	Enhancement of zidovudine uptake by dehydroepiandrosterone sulfate in rat syncytiotrophoblast cell line TR-TBT 18d-1. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 2080-5	4	14
99	Selective gene silencing of rat ATP-binding cassette G2 transporter in an in vitro blood-brain barrier model by short interfering RNA. <i>Journal of Neurochemistry</i> , 2005 , 93, 63-71	6	14
98	PKC/MAPK signaling suppression by retinal pericyte conditioned medium prevents retinal endothelial cell proliferation. <i>Journal of Cellular Physiology</i> , 2005 , 203, 378-86	7	14
97	Characterization of the transport properties of a quinolone antibiotic, fleroxacin, in rat choroid plexus. <i>Pharmaceutical Research</i> , 1996 , 13, 523-7	4.5	14
96	Altered Expression of Small Intestinal Drug Transporters and Hepatic Metabolic Enzymes in a Mouse Model of Familial Alzheimer's Disease. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4073-4083	5.6	13
95	Pharmacological significance of prostaglandin E2 and D2 transport at the brain barriers. <i>Advances in Pharmacology</i> , 2014 , 71, 337-60	5.7	13
94	A carrier-mediated transport system for benzylpenicillin in isolated hepatocytes. <i>Journal of Pharmacy and Pharmacology</i> , 1985 , 37, 55-7	4.8	13
93	Differences in the hepatobiliary transport of two quinolone antibiotics, grepafloxacin and lomefloxacin, in the rat. <i>Biopharmaceutics and Drug Disposition</i> , 1999 , 20, 151-8	1.7	13
92	Hepatic uptake of octreotide, a long-acting somatostatin analogue, via a bile acid transport system. <i>Pharmaceutical Research</i> , 1995 , 12, 12-7	4.5	13
91	Sodium and pH dependent carrier-mediated transport of antibiotic, fosfomycin, in the rat intestinal brush-border membrane. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1990 , 13, 292-300		13
90	Organic Anion-Transporting Polypeptide 1a4 (Oatp1a4/Slco1a4) at the Blood-Brain Barrier is the Major Pathway of Sulforhodamine-101 Clearance from Cerebrospinal Fluid of Rats. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2021-2027	5.6	12
89	Contributions of degradation and brain-to-blood elimination across the blood-brain barrier to cerebral clearance of human amyloid- β peptide(1-40) in mouse brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1770-7	7.3	12
88	Establishment and characterization of spinal cord microvascular endothelial cell lines. <i>Clinical and Experimental Neuroimmunology</i> , 2013 , 4, 326-338	0.4	12

87	Fluids and Barriers of the CNS: a new journal encompassing Cerebrospinal Fluid Research. <i>Fluids and Barriers of the CNS</i> , 2011 , 8, 1	7	12
86	Brain-to-blood active transport of beta-alanine across the blood-brain barrier. <i>FEBS Letters</i> , 1997 , 400, 131-5	3.8	12
85	Transport of the new quinolone antibacterial agents of lomefloxacin and ofloxacin by rat erythrocytes, and its relation to the nicotinic acid transport system. <i>Journal of Pharmacobio-dynamics</i> , 1991 , 14, 475-81		12
84	Receptor-mediated endocytosis of A14-125I-insulin by the nonfiltering perfused rat kidney. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1073, 442-50	4	12
83	Kinetic evidence for a common transport route of benzylpenicillin and probenecid by freshly prepared hepatocytes in rats. Influence of sodium ion, organic anions, amino acids and peptides on benzylpenicillin uptake. <i>Journal of Pharmacobio-dynamics</i> , 1986 , 9, 18-28		12
82	Developmental changes in transporter and receptor protein expression levels at the rat blood-brain barrier based on quantitative targeted absolute proteomics. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 117-123	2.2	12
81	Distinct roles of ezrin, radixin and moesin in maintaining the plasma membrane localizations and functions of human blood-brain barrier transporters. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1533-1545	7.3	12
80	Gene therapy for a mouse model of glucose transporter-1 deficiency syndrome. <i>Molecular Genetics and Metabolism Reports</i> , 2017 , 10, 67-74	1.8	11
79	All-trans retinoic acid enhances gemcitabine cytotoxicity in human pancreatic cancer cell line AsPC-1 by up-regulating protein expression of deoxycytidine kinase. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 103, 116-121	5.1	11
78	Liver Zonation Index of Drug Transporter and Metabolizing Enzyme Protein Expressions in Mouse Liver Acinus. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 610-618	4	11
77	Fgf2 is expressed in human and murine embryonic choroid plexus and affects choroid plexus epithelial cell behaviour. <i>Cerebrospinal Fluid Research</i> , 2008 , 5, 20		11
76	Establishment of bone marrow-derived endothelial cell lines from ts-SV40 T-antigen gene transgenic rats. <i>Pharmaceutical Research</i> , 2001 , 18, 9-15	4.5	11
75	Drug delivery to the brain utilizing blood-brain barrier transport systems. <i>Journal of Controlled Release</i> , 1994 , 29, 163-169	11.7	11
74	Relationship between lipophilicity and binding affinity with human serum albumin for penicillin and cephem antibiotics. <i>Journal of Pharmacobio-dynamics</i> , 1992 , 15, 99-106		11
73	Evidence for the existence of a common transport system of beta-lactam antibiotics in isolated rat hepatocytes. <i>Journal of Antibiotics</i> , 1985 , 38, 1774-80	3.7	11
72	Amyloid beta impairs docosahexaenoic acid efflux by down-regulating fatty acid transport protein 1 (FATP1/SLC27A1) protein expression in human brain capillary endothelial cells. <i>Journal of Neurochemistry</i> , 2019 , 150, 385-401	6	10
71	Recurrent anaplastic meningioma treated by sunitinib based on results from quantitative proteomics. <i>Neuropathology and Applied Neurobiology</i> , 2012 , 38, 105-10	5.2	10
70	Inner blood-retinal barrier mediates l-isomer-predominant transport of serine. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3892-903	3.9	10

69	Regulation of extracellular-superoxide dismutase in rat retina pericytes. <i>Redox Report</i> , 2010 , 15, 250-8	5.9	10
68	Expression of the Na ⁺ dependent uridine transport system of rabbit small intestine: studies with mRNA-injected <i>Xenopus laevis</i> oocytes. <i>Biological and Pharmaceutical Bulletin</i> , 1993 , 16, 493-6	2.3	10
67	Differential binding of thyroxine and triiodothyronine to acidic isoforms of thyroid hormone binding globulin in human serum. <i>Biochemistry</i> , 1988 , 27, 3624-8	3.2	10
66	Evaluation of Organic Anion Transporter 1A2-knock-in Mice as a Model of Human Blood-brain Barrier. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1767-1775	4	10
65	Selective Protein Expression Changes of Leukocyte-Migration-Associated Cluster of Differentiation Antigens at the Blood-Brain Barrier in a Lipopolysaccharide-Induced Systemic Inflammation Mouse Model without Alteration of Transporters, Receptors or Tight Junction-Related Protein. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 944-953	2.3	9
64	Gene therapy for Glut1-deficient mouse using an adeno-associated virus vector with the human intrinsic GLUT1 promoter. <i>Journal of Gene Medicine</i> , 2018 , 20, e3013	3.5	9
63	Abnormal N-Glycosylation of a Novel Missense Creatine Transporter Mutant, G561R, Associated with Cerebral Creatine Deficiency Syndromes Alters Transporter Activity and Localization. <i>Biological and Pharmaceutical Bulletin</i> , 2017 , 40, 49-55	2.3	9
62	Epidermal growth factor targeting of bacteriophage to the choroid plexus for gene delivery to the central nervous system via cerebrospinal fluid. <i>Brain Research</i> , 2010 , 1359, 1-13	3.7	9
61	Kinetics of quinolone antibiotics in rats: efflux from cerebrospinal fluid to the circulation. <i>Pharmaceutical Research</i> , 1996 , 13, 1065-8	4.5	9
60	Interaction of doxorubicin with nuclei isolated from rat liver and kidney. <i>Journal of Pharmaceutical Sciences</i> , 1984 , 73, 524-8	3.9	9
59	Age-related change of cefazolin binding to rat serum proteins and its relation to the molar ratio of free fatty acid to serum albumin. <i>Journal of Pharmacobio-dynamics</i> , 1986 , 9, 81-7		9
58	Carbenicillin prodrugs: stability kinetics of alpha-phenyl and alpha-indanyl esters in aqueous solution. <i>Journal of Pharmaceutical Sciences</i> , 1979 , 68, 1259-63	3.9	9
57	Establishment and validation of highly accurate formalin-fixed paraffin-embedded quantitative proteomics by heat-compatible pressure cycling technology using phase-transfer surfactant and SWATH-MS. <i>Scientific Reports</i> , 2020 , 10, 11271	4.9	9
56	Retinal selectivity of gene expression in rat retinal versus brain capillary endothelial cell lines by differential display analysis. <i>Molecular Vision</i> , 2004 , 10, 537-43	2.3	9
55	Specific binding and clearance of [3H]dynorphin (1-13) in the perfused rat lung: an application of the multiple-indicator dilution method. <i>Journal of Pharmacy and Pharmacology</i> , 1990 , 42, 879-82	4.8	8
54	Transporter mRNA expression in a conditionally immortalized rat small intestine epithelial cell line (TR-SIE). <i>Drug Metabolism and Pharmacokinetics</i> , 2004 , 19, 264-9	2.2	8
53	Age-related change in tissue-to-plasma partition coefficient of cefazolin for noneliminating organs in the rat. <i>Journal of Pharmaceutical Sciences</i> , 1989 , 78, 535-40	3.9	8
52	Polarized hemichannel opening of pannexin 1/connexin 43 contributes to dysregulation of transport function in blood-brain barrier endothelial cells. <i>Neurochemistry International</i> , 2020 , 132, 104600	4.4	8

51	Global and Targeted Proteomics of Prostate Cancer Cell Secretome: Combination of 2-Dimensional Image-Converted Analysis of Liquid Chromatography and Mass Spectrometry and In Silico Selection Selected Reaction Monitoring Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 3440-3452	3.9	8
50	Quantitative Protein Expression in the Human Retinal Pigment Epithelium: Comparison Between Apical and Basolateral Plasma Membranes With Emphasis on Transporters 2019 , 60, 5022-5034		8
49	Recent Progress in Blood-Brain Barrier and Blood-CSF Barrier Transport Research: Pharmaceutical Relevance for Drug Delivery to the Brain. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 23-62	0.5	8
48	Application of Quantitative Targeted Absolute Proteomics to Profile Protein Expression Changes of Hepatic Transporters and Metabolizing Enzymes During Cholic Acid-Promoted Liver Regeneration. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2499-2508	3.9	7
47	MK2461, a Multitargeted Kinase Inhibitor, Suppresses the Progression of Pancreatic Cancer by Disrupting the Interaction Between Pancreatic Cancer Cells and Stellate Cells. <i>Pancreas</i> , 2017 , 46, 557-566	2.6	7
46	Quantification of ENT1 and ENT2 Proteins at the Placental Barrier and Contribution of These Transporters to Ribavirin Uptake. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 3917-3922	3.9	7
45	Increased Expression of Renal Drug Transporters in a Mouse Model of Familial Alzheimer's Disease. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2484-2489	3.9	7
44	Cell density-dependent mitogenic effect and -independent cellular handling of epidermal growth factor in primary cultured rat hepatocytes. <i>Journal of Hepatology</i> , 1997 , 26, 353-60	13.4	7
43	Augmented expression of the tight junction protein occludin in brain endothelial cell line TR-BBB by rat angiopoietin-1 expressed in baculovirus-infected Sf plus insect cells. <i>Pharmaceutical Research</i> , 2002 , 19, 1757-60	4.5	7
42	Theoretical consideration of drug distribution kinetics in a noneliminating organ: comparison between a "homogeneous (well-stirred)" model and "nonhomogeneous (tube)" model. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1985 , 13, 265-87		7
41	Brain efflux index method. Characterization of efflux transport across the blood-brain barrier. <i>Methods in Molecular Medicine</i> , 2003 , 89, 219-31		6
40	A novel stromal cell-dependent B lymphoid stem-like cell line that induces immunoglobulin gene rearrangement. <i>Journal of Biochemistry</i> , 1999 , 125, 602-12	3.1	6
39	Contribution of parenchymal and non-parenchymal liver cells to the clearance of hepatocyte growth factor from the circulation in rats. <i>Pharmaceutical Research</i> , 1995 , 12, 1737-40	4.5	6
38	Carbenicillin prodrugs: kinetics of intestinal absorption competing degradation of the alpha-esters of carbenicillin and prediction of prodrug absorbability from quantitative structure-absorption rate relationship. <i>Journal of Pharmaceutical Sciences</i> , 1982 , 71, 403-6	3.9	6
37	The Multipotential of Leucine-Rich β Glycoprotein 1 as a Clinicopathological Biomarker of Glioblastoma. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 873-879	3.1	6
36	Gelsolin inhibits malignant phenotype of glioblastoma and is regulated by miR-654-5p and miR-450b-5p. <i>Cancer Science</i> , 2020 , 111, 2413-2422	6.9	5
35	Gene expression of A6-like subgroup of ATP-binding cassette transporters in mouse brain parenchyma and microvessels. <i>Anatomical Science International</i> , 2018 , 93, 456-463	2	5
34	Brain and heart specific alteration of methamphetamine (MAP) distribution in MAP-sensitized rat. <i>Biological and Pharmaceutical Bulletin</i> , 2003 , 26, 506-9	2.3	5

33	Selective analysis of mutual displacement effects at the primary binding sites of phenoxymethylpenicillin and cephalothin bindings to human serum albumin. <i>Journal of Pharmacobio-dynamics</i> , 1992 , 15, 91-7		5
32	Targeted Proteomics-Based Quantitative Protein Atlas of Pannexin and Connexin Subtypes in Mouse and Human Tissues and Cancer Cell Lines. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 1161-1168	3.9	5
31	Comparative pharmacokinetics of cefazolin in awake and urethane-anesthetized rats. <i>Chemical and Pharmaceutical Bulletin</i> , 1985 , 33, 2153-7	1.9	4
30	Cell-Type-Specific Spatiotemporal Expression of Creatine Biosynthetic Enzyme S-adenosylmethionine:guanidinoacetate N-methyltransferase in Developing Mouse Brain. <i>Neurochemical Research</i> , 2018 , 43, 500-510	4.6	4
29	Spleen lymphocyte kinetics in mice under normal and inflammatory conditions: an application of the transgenic mouse expressing beta-galactosidase (ROSA 26). <i>Biological and Pharmaceutical Bulletin</i> , 2002 , 25, 1378-80	2.3	3
28	Identification and Validation of Combination Plasma Biomarker of Afamin, Fibronectin and Sex Hormone-Binding Globulin to Predict Pre-eclampsia. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 804-815	2.3	3
27	Identification of Blood-Brain Barrier-Permeable Proteins Derived from a Peripheral Organ: In Vivo and in Vitro Evidence of Blood-to-Brain Transport of Creatine Kinase. <i>Molecular Pharmaceutics</i> , 2019 , 16, 247-257	5.6	3
26	Determination of Intrinsic Creatine Transporter (Slc6a8) Activity and Creatine Transport Function of Leukocytes in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2020 , 43, 474-479	2.3	3
25	Scrambled Internal Standard Method for High-Throughput Protein Quantification by Matrix-Assisted Laser Desorption Ionization Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2017 , 16, 1556-1565	5.6	2
24	Degradation kinetics of (+/-)-4Pethyl-2-methyl-3-(1-pyrrolidinyl)propiofenone hydrochloride (HY-770) and structure-stability relationship among its analogues in aqueous solution. <i>Journal of Pharmaceutical Sciences</i> , 1989 , 78, 57-61	3.9	2
23	Specific binding of beta-endorphin to the isolated renal basolateral membranes in vitro. <i>Chemical and Pharmaceutical Bulletin</i> , 1990 , 38, 3395-9	1.9	2
22	BloodBrain Barrier (BBB) Pharmacoproteomics: A New Research Field Opened Up by Quantitative Targeted Absolute Proteomics (QTAP). <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 63-100	0.5	2
21	Theoretical Study on the ATP Hydrolysis Mechanism of HisP Protein, the ATP-Binding Subunit of ABC Transporter. <i>Materials Transactions</i> , 2007 , 48, 735-739	1.3	1
20	Activation of Annexin A2 signaling at the blood-brain barrier in a mouse model of multiple sclerosis.. <i>Journal of Neurochemistry</i> , 2022 ,	6	1
19	Distinct Transport Properties of Human Pannexin 1 and Connexin 32 Hemichannels. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 1395-1402	3.9	1
18	Organ Variation in Tissue to Plasma Partition Coefficients of Adriamycin, Daunomycin and Actinomycin-D: Correlation to Tissue DNA Concentrations 1984 , 359-378		1
17	A Human Blood-Arachnoid Barrier Atlas of Transporters, Receptors, Enzymes, Tight Junction and Marker Proteins: Comparison with Dog and Pig in Absolute Abundance.. <i>Journal of Neurochemistry</i> , 2022 ,	6	1
16	Pharmacoproteomics of Brain Barrier Transporters and Substrate Design for the Brain Targeted Drug Delivery.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0

15	Regional Differences in the Absolute Abundance of Transporters, Receptors and Tight Junction Molecules at the Blood-Arachnoid Barrier and Blood-Spinal Cord Barrier among Cervical, Thoracic and Lumbar Spines in Dogs.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	○
14	Blood-Arachnoid Barrier as a Dynamic Physiological and Pharmacological Interface Between Cerebrospinal Fluid and Blood. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2022 , 93-121	0.5	○
13	Professor Yuichi Sugiyama: A Brilliant, Creative, Amicable, Charming, and Humorous Pharmaceutical Scientist. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2188-2194	3.9	
12	Perspectives on a pharmacokinetics legend: C versus T (contributions over time). <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2889-94	3.9	
11	Professor Akira Tsuji: scientist, educator, and leader. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3541-36		
10	Pharmacokinetic simulator with three-dimensional graphical models: Sociotechnological interface of pharmacokinetics for medical personnel, patients, and medicinal chemists. <i>International Congress Series</i> , 2005 , 1284, 296-301		
9	Physiological pharmacokinetics and membrane transport for drug delivery research. <i>International Congress Series</i> , 2005 , 1284, 266-273		
8	Transport of Basic Peptides at the BloodBrain Barrier 2006 , 1443-1448		
7	Blood-brain barrier transport of ebitatide and its uptake by cerebral neuronal cells. <i>Annals of the New York Academy of Sciences</i> , 1993 , 680, 609-11	6.5	
6	Brain-to-blood transporters for endogenous substrates and xenobiotics at the blood-brain barrier: An overview of biology and methodology. <i>Neurotherapeutics</i> , 2005 , 2, 63-72	6.4	
5	Reconstitution of the blood-retinal barrier and blood-brain barrier, and its application for drug delivery study.. <i>Drug Delivery System</i> , 2001 , 16, 29-38	0	
4	Blood-Brain Barrier Transport and Drug Targeting to the Brain 2002 , 313-326		
3	New in vitro model for the brain drug delivery research: Conditionally immortalized cell lines as novel models of the blood-brain barrier (BBB) and blood-cerebrospinal fluid barrier (BCSFB). <i>Drug Delivery System</i> , 2003 , 18, 118-125	0	
2	The Difference of Blood-Brain Barrier Transport and Concentration in Brain Interstitial Fluid of Choline in SHRSP and WKY. <i>International Heart Journal</i> , 1990 , 31, 549-549		
1	Quantitative targeted absolute proteomics (QTAP)-based rational research on the human blood-brain barrier transport. <i>Drug Delivery System</i> , 2013 , 28, 270-278	0	