

Tetsuya Terasaki

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

338
papers

15,666
citations

68
h-index

106
g-index

346
ext. papers

17,202
ext. citations

4.7
avg, IF

6.24
L-index

#	Paper	IF	Citations
338	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
337	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
336	Pharmacoproteomics of Brain Barrier Transporters and Substrate Design for the Brain Targeted Drug Delivery.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0
335	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	0
334	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	0
333	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
332	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
331	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
330	Distinct Transport Properties of Human Pannexin 1 and Connexin 32 Hemichannels. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 1395-1402	3.9	1
329	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
328	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
327	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
326	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
325	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
324	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
323	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
322	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

321	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
320	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
319	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
318	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
317	Increased Expression of Renal Drug Transporters in a Mouse Model of Familial Alzheimer β Disease. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2484-2489	3.9	7
316	Organic Anion-Transporting Polypeptide 1a4 (Oatp1a4/Slco1a4) at the Blood-Arachnoid 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
315	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
314	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
313	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
312	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
311	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
310	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
309	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
308	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
307	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
306	Altered Expression of Small Intestinal Drug Transporters and Hepatic Metabolic Enzymes in a Mouse Model of Familial Alzheimer β Disease. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4073-4083	5.6	13
305	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
304	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

303	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
302	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
301	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
300	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
299	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
298	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
297	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
296	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
295	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
294	Professor Yuichi Sugiyama: A Brilliant, Creative, Amicable, Charming, and Humorous Pharmaceutical Scientist. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2188-2194	3.9	
293	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
292	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
291	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
290	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
289	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
288	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
287	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
286	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, 766-773	5.6	14

285	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
284	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
283	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
282	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
281	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
280	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
279	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> , 2015 , 104, 3029-38	3.9	31
278	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
277	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
276	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
275	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
274	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
273	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
272	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
271	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
270	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
269	Pharmacological significance of prostaglandin E2 and D2 transport at the brain barriers. <i>Advances in Pharmacology</i> , 2014 , 71, 337-60	5.7	13
268	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

267	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
266	Quantitative targeted proteomics for understanding the blood-brain barrier: towards pharmacoproteomics. <i>Expert Review of Proteomics</i> , 2014 , 11, 303-13	4.2	32
265	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
264	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
263	Blood-Brain 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
262	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
261	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
260	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
259	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
258	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
257	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
256	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
255	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
254	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
253	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
252	Perspectives on a pharmacokinetics legend: C versus T (contributions over time). <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2889-94	3.9	
251	Establishment and characterization of spinal cord microvascular endothelial cell lines. <i>Clinical and Experimental Neuroimmunology</i> , 2013 , 4, 326-338	0.4	12
250	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

249	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	
248	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
247	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
246	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
245	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
244	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
243	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
242	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
241	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
240	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
239	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
238	Quantitative targeted absolute proteomics of human blood-brain barrier transporters and receptors. <i>Journal of Neurochemistry</i> , 2011 , 117, 333-45	6	552
237	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
236	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
235	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
234	Proteome analysis of rat serum proteins adsorbed onto synthetic octacalcium phosphate crystals. <i>Analytical Biochemistry</i> , 2011 , 418, 276-85	3.1	41
233	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
232	1 β 25-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

231	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
230	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
229	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
228	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
227	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
226	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
225	Inner blood-retinal barrier mediates l-isomer-predominant transport of serine. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3892-903	3.9	10
224	Professor Akira Tsuji: scientist, educator, and leader. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3541-369		
223	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
222	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
221	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
220	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
219	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
218	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
217	Inhibition of TXNIP expression in vivo blocks early pathologies of diabetic retinopathy. <i>Cell Death and Disease</i> , 2010 , 1, e65	9.8	95
216	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
215	Expression of ABC-type transport proteins in human platelets. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 396-400	1.9	29
214	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

213	Regulation of extracellular-superoxide dismutase in rat retina pericytes. <i>Redox Report</i> , 2010 , 15, 250-8	5.9	10
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