Tetsuya Terasaki

List of Publications by Year
in descending order

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340 papers	18,870 citations	9786 73 h-index	20961 115 g-index
346 all docs	346 docs citations	346 times ranked	14501 citing authors

#	Article	IF	Citations
1	Activation of Annexin <scp>A2</scp> signaling at the bloodâ€“brain barrier in a mouse model of multiple sclerosis. Journal of Neurochemistry, 2022, 160, 662-674.	3.9	15
2	A human <scp>bloodâ€“arachnoid</scp> barrier atlas of transporters, receptors, enzymes, and tight junction and marker proteins: Comparison with dog and pig in absolute abundance. Journal of Neurochemistry, 2022, 161, 187-208.	3.9	7
3	Pharmacoproteomics of Brain Barrier Transporters and Substrate Design for the Brain Targeted Drug Delivery. Pharmaceutical Research, 2022, 39, 1363-1392.	3.5	19
4	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. Pharmaceutical Research, 2022, , 1.	3.5	4
5	Blood-Arachnoid Barrier as a Dynamic Physiological and Pharmacological Interface Between Cerebrospinal Fluid and Blood. AAPS Advances in the Pharmaceutical Sciences Series, 2022, , 93-121.	0.6	2
6	Identification and Validation of Combination Plasma Biomarker of Afamin, Fibronectin and Sex Hormone-Binding Globulin to Predict Pre-eclampsia. Biological and Pharmaceutical Bulletin, 2021, 44, 804-815.	1.4	10
7	An Atlas of the Quantitative Protein Expression of Anti-Epileptic-Drug Transporters, Metabolizing Enzymes and Tight Junctions at the Bloodâ€“Brain Barrier in Epileptic Patients. Pharmaceutics, 2021, 13, 2122.	4.5	10
8	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 bloodâ€“brain barrier. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 420-436.	4.3	31
9	Developmental changes in transporter and receptor protein expression levels at the rat blood-brain barrier based on quantitative targeted absolute proteomics. Drug Metabolism and Pharmacokinetics, 2020, 35, 117-123.	2.2	20
10	Distinct roles of ezrin, radixin and moesin in maintaining the plasma membrane localizations and functions of human bloodâ€“brain barrier transporters. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1533-1545.	4.3	18
11	Targeted Proteomics-Based Quantitative Protein Atlas of Pannexin and Connexin Subtypes in Mouse and Human Tissues and Cancer Cell Lines. Journal of Pharmaceutical Sciences, 2020, 109, 1161-1168.	3.3	5
12	Distinct Transport Properties of Human Pannexin 1 and Connexin 32 Hemichannels. Journal of Pharmaceutical Sciences, 2020, 109, 1395-1402.	3.3	1
13	Polarized hemichannel opening of pannexin 1/connexin 43 contributes to dysregulation of transport function in blood-brain barrier endothelial cells. Neurochemistry International, 2020, 132, 104600.	3.8	13
14	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. Drug Metabolism and Disposition, 2020, 48, 135-145.	3.3	36
15	The Multipotential of Leucine-Rich Î±-2 Glycoprotein 1 as a Clinicopathological Biomarker of Glioblastoma. Journal of Neuropathology and Experimental Neurology, 2020, 79, 873-879.	1.7	9
16	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. Scientific Reports, 2020, 10, 11271.	3.3	20
17	Gelsolin inhibits malignant phenotype of glioblastoma and is regulated by miRâ€654â€5p and miRâ€450bâ€5p. Cancer Science, 2020, 111, 2413-2422.	3.9	20
18	Comparison of Absolute Protein Abundances of Transporters and Receptors among Bloodâ€“Brain Barriers at Different Cerebral Regions and the Bloodâ€“Spinal Cord Barrier in Humans and Rats. Molecular Pharmaceutics, 2020, 17, 2006-2020.	4.6	43

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19	Determination of Intrinsic Creatine Transporter (Slc6a8) Activity and Creatine Transport Function of Leukocytes in Rats. Biological and Pharmaceutical Bulletin, 2020, 43, 474-479.	1.4	3
20	Involvement of Claudin-11 in Disruption of Blood-Brain, -Spinal Cord, and -Arachnoid Barriers in Multiple Sclerosis. Molecular Neurobiology, 2019, 56, 2039-2056.	4.0	66
21	Quantification of ENT1 and ENT2 Proteins at the Placental Barrier and Contribution of These Transporters to Ribavirin Uptake. Journal of Pharmaceutical Sciences, 2019, 108, 3917-3922.	3.3	12
22	Selective Protein Expression Changes of Leukocyte-Migration-Associated Cluster of Differentiation Antigens at the Bloodâ€“Brain Barrier in a Lipopolysaccharide-Induced Systemic Inflammation Mouse Model without Alteration of Transporters, Receptors or Tight Junction-Related Protein. Biological and Pharmaceutical Bulletin, 2019, 42, 944-953.	1.4	9
23	Amyloid beta25â€35impairs docosahexaenoic acid efflux by downâ€regulating fatty acid transport protein 1 (FATP1/SLC27A1) protein expression in human brain capillary endothelial cells. Journal of Neurochemistry, 2019, 150, 385-401.	3.9	15
24	Increased Expression of Renal Drug Transporters in a Mouse Model of Familial Alzheimer's Disease. Journal of Pharmaceutical Sciences, 2019, 108, 2484-2489.	3.3	13
25	Organic Anion-Transporting Polypeptide 1a4 (Oatp1a4/Slco1a4) at the Bloodâ€“Arachnoid Barrier is the Major Pathway of Sulforhodamine-101 Clearance from Cerebrospinal Fluid of Rats. Molecular Pharmaceutics, 2019, 16, 2021-2027.	4.6	18
26	Quantitative Protein Expression in the Human Retinal Pigment Epithelium: Comparison Between Apical and Basolateral Plasma Membranes With Emphasis on Transporters. , 2019, 60, 5022.		18
27	Identification of Bloodâ€“Brain Barrier-Permeable Proteins Derived from a Peripheral Organ: In Vivo and in Vitro Evidence of Blood-to-Brain Transport of Creatine Kinase. Molecular Pharmaceutics, 2019, 16, 247-257.	4.6	3
28	Cluster of Differentiation 46 Is the Major Receptor in Human Bloodâ€“Brain Barrier Endothelial Cells for Uptake of Exosomes Derived from Brain-Metastatic Melanoma Cells (SK-Mel-28). Molecular Pharmaceutics, 2019, 16, 292-304.	4.6	50
29	Liver Zonation Index of Drug Transporter and Metabolizing Enzyme Protein Expressions in Mouse Liver Acinus. Drug Metabolism and Disposition, 2018, 46, 610-618.	3.3	22
30	Drug Clearance from Cerebrospinal Fluid Mediated by Organic Anion Transporters 1 (Slc22a6) and 3 (Slc22a8) at Arachnoid Membrane of Rats. Molecular Pharmaceutics, 2018, 15, 911-922.	4.6	29
31	Gene therapy for Glut1â€deficient mouse using an adenoâ€associated virus vector with the human intrinsic GLUT1 promoter. Journal of Gene Medicine, 2018, 20, e3013.	2.8	15
32	ATP-Binding Cassette Transporter A Subfamily 8 Is a Sinusoidal Efflux Transporter for Cholesterol and Taurocholate in Mouse and Human Liver. Molecular Pharmaceutics, 2018, 15, 343-355.	4.6	23
33	Gene expression of A6-like subgroup of ATP-binding cassette transporters in mouse brain parenchyma and microvessels. Anatomical Science International, 2018, 93, 456-463.	1.0	6
34	Cell-Type-Specific Spatiotemporal Expression of Creatine Biosynthetic Enzyme S-adenosylmethionine:guanidinoacetate N-methyltransferase in Developing Mouse Brain. Neurochemical Research, 2018, 43, 500-510.	3.3	7
35	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. Molecular Pharmaceutics, 2018, 15, 127-140.	4.6	32
36	Evaluation of Organic Anion Transporter 1A2-knock-in Mice as a Model of Human Blood-brain Barrier. Drug Metabolism and Disposition, 2018, 46, 1767-1775.	3.3	15

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37	Altered Expression of Small Intestinal Drug Transporters and Hepatic Metabolic Enzymes in a Mouse Model of Familial Alzheimerâ€™s Disease. Molecular Pharmaceutics, 2018, 15, 4073-4083.	4.6	23
38	Identification of blood biomarkers in glioblastoma by SWATH mass spectrometry and quantitative targeted absolute proteomics. PLoS ONE, 2018, 13, e0193799.	2.5	87
39	Gene therapy for a mouse model of glucose transporter-1 deficiency syndrome. Molecular Genetics and Metabolism Reports, 2017, 10, 67-74.	1.1	12
40	Actin filamentâ€associated protein 1 (AFAPâ€1) is a key mediator in inflammatory signalingâ€induced rapid attenuation of intrinsic Pâ€gp function in human brain capillary endothelial cells. Journal of Neurochemistry, 2017, 141, 247-262.	3.9	20
41	LCâ€“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. Molecular Pharmaceutics, 2017, 14, 605-613.	4.6	45
42	Downregulation of GNA13-ERK network in prefrontal cortex of schizophrenia brain identified by combined focused and targeted quantitative proteomics. Journal of Proteomics, 2017, 158, 31-42.	2.4	40
43	All-trans retinoic acid enhances gemcitabine cytotoxicity in human pancreatic cancer cell line AsPC-1 by up-regulating protein expression of deoxycytidine kinase. European Journal of Pharmaceutical Sciences, 2017, 103, 116-121.	4.0	13
44	Application of Quantitative Targeted Absolute Proteomics to Profile Protein Expression Changes of Hepatic Transporters and Metabolizing Enzymes During Cholic Acid-Promoted Liver Regeneration. Journal of Pharmaceutical Sciences, 2017, 106, 2499-2508.	3.3	7
45	Current Progress Toward a Better Understanding of Drug Disposition Within the Lungs: Summary Proceedings of the First Workshop on Drug Transporters in the Lungs. Journal of Pharmaceutical Sciences, 2017, 106, 2234-2244.	3.3	22
46	Professor Yuichi Sugiyama: A Brilliant, Creative, Amicable, Charming, and Humorous Pharmaceutical Scientist. Journal of Pharmaceutical Sciences, 2017, 106, 2188-2194.	3.3	0
47	MK2461, a Multitargeted Kinase Inhibitor, Suppresses the Progression of Pancreatic Cancer by Disrupting the Interaction Between Pancreatic Cancer Cells and Stellate Cells. Pancreas, 2017, 46, 557-566.	1.1	8
48	Scrambled Internal Standard Method for High-Throughput Protein Quantification by Matrix-Assisted Laser Desorption Ionization Tandem Mass Spectrometry. Journal of Proteome Research, 2017, 16, 1556-1565.	3.7	5
49	The bloodâ€brain barrier fatty acid transport protein 1 (<scp>FATP</scp>1/<scp>SLC</scp>27A1) supplies docosahexaenoic acid to the brain, and insulin facilitates transport. Journal of Neurochemistry, 2017, 141, 400-412.	3.9	45
50	Inner Bloodâ€“Retinal Barrier Dominantly Expresses Breast Cancer Resistance Protein: Comparative Quantitative Targeted Absolute Proteomics Study of CNS Barriers in Pig. Molecular Pharmaceutics, 2017, 14, 3729-3738.	4.6	26
51	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. Molecular Pharmaceutics, 2017, 14, 3436-3447.	4.6	44
52	Abnormal <i>N</i>-Glycosylation of a Novel Missense Creatine Transporter Mutant, G561R, Associated with Cerebral Creatine Deficiency Syndromes Alters Transporter Activity and Localization. Biological and Pharmaceutical Bulletin, 2017, 40, 49-55.	1.4	11
53	Largeâ€scale multiplex absolute protein quantification of drugâ€metabolizing enzymes and transporters in human intestine, liver, and kidney microsomes by SWATHâ€MS: Comparison with MRM/SRM and HRâ€MRM/PRM. Proteomics, 2016, 16, 2106-2117.	2.2	109
54	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. Journal of Pharmaceutical Sciences, 2016, 105, 876-883.	3.3	17

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55	Quantitative Atlas of Cytochrome P450, UDP-Glucuronosyltransferase, and Transporter Proteins in Jejunum of Morbidly Obese Subjects. Molecular Pharmaceutics, 2016, 13, 2631-2640.	4.6	69
56	Quantitative Targeted Absolute Proteomics for 28 Transporters in Brush-Border and Basolateral Membrane Fractions of Rat Kidney. Journal of Pharmaceutical Sciences, 2016, 105, 1011-1016.	3.3	19
57	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. Journal of Pharmaceutical Sciences, 2016, 105, 3440-3452.	3.3	10
58	Front cover: 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. Proteomics, 2016, 16, NA-NA.	2.2	0
59	Quantitative Targeted Absolute Proteomics of Transporters and Pharmacoproteomics-Based Reconstruction of P-Glycoprotein Function in Mouse Small Intestine. Molecular Pharmaceutics, 2016, 13, 2443-2456.	4.6	17
60	Oral Morphine Pharmacokinetic in Obesity: The Role of P-Glycoprotein, MRP2, MRP3, UGT2B7, and CYP3A4 Jejunal Contents and Obesity-Associated Biomarkers. Molecular Pharmaceutics, 2016, 13, 766-773.	4.6	22
61	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. PLoS ONE, 2016, 11, e0161009.	2.5	76
62	Quantitative Determination of Luminal and Abluminal Membrane Distributions of Transporters in Porcine Brain Capillaries by Plasma Membrane Fractionation and Quantitative Targeted Proteomics. Journal of Pharmaceutical Sciences, 2015, 104, 3060-3068.	3.3	69
63	Quantitative targeted absolute proteomics of rat bloodâ€“cerebrospinal fluid barrier transporters: comparison with a human specimen. Journal of Neurochemistry, 2015, 134, 1104-1115.	3.9	86
64	Major involvement of Na⁺â€dependent multivitamin transporter (SLC5A6/SMVT) in uptake of biotin and pantothenic acid by human brain capillary endothelial cells. Journal of Neurochemistry, 2015, 134, 97-112.	3.9	81
65	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. PLoS ONE, 2015, 10, e0118638.	2.5	26
66	Contribution of Pannexin 1 and Connexin 43 Hemichannels to Extracellular Calciumâ€“Dependent Transport Dynamics in Human Blood-Brain Barrier Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 192-200.	2.5	39
67	Drug Transporter Protein Quantification of Immortalized Human Lung Cell Lines Derived from Tracheobronchial Epithelial Cells (Calu-3 and BEAS2-B), Bronchiolarâ€“Alveolar Cells (NCI-H292 and) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Pharmaceutical Sciences, 2015, 104, 3029-3038.	3.3	39
68	Genomic Knockout of Endogenous Canine P-Glycoprotein in Wild-Type, Human P-Glycoprotein and Human BCRP Transfected MDCKII Cell Lines by Zinc Finger Nucleases. Pharmaceutical Research, 2015, 32, 2060-2071.	3.5	27
69	Quantitative Targeted Proteomics of Pancreatic Cancer: Deoxycytidine Kinase Protein Level Correlates to Progression-Free Survival of Patients Receiving Gemcitabine Treatment. Molecular Pharmaceutics, 2015, 12, 3282-3291.	4.6	38
70	Quantitative targeted absolute proteomics for 28 human transporters in plasma membrane of Caco-2 cell monolayer cultured for 2, 3, and 4Âweeks. Drug Metabolism and Pharmacokinetics, 2015, 30, 205-208.	2.2	38
71	Blood-Brain Barrier Pharmacoproteomics-Based Reconstruction of the In Vivo Brain Distribution of P-Glycoprotein Substrates in Cynomolgus Monkeys. Journal of Pharmacology and Experimental Therapeutics, 2014, 350, 578-588.	2.5	52
72	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. Drug Metabolism and Disposition, 2014, 42, 1719-1726.	3.3	29

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73	Quantitative targeted proteomics for understanding the bloodâ€“brain barrier: towards pharmacoproteomics. Expert Review of Proteomics, 2014, 11, 303-313.	3.0	38
74	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. Drug Metabolism and Disposition, 2014, 42, 1039-1043.	3.3	37
75	Pharmacological Significance of Prostaglandin E2 and D2 Transport at the Brain Barriers. Advances in Pharmacology, 2014, 71, 337-360.	2.0	16
76	Recent Progress in Bloodâ€“Brain Barrier and Bloodâ€“CSF Barrier Transport Research: Pharmaceutical Relevance for Drug Delivery to the Brain. AAPS Advances in the Pharmaceutical Sciences Series, 2014, , 23-62.	0.6	11
77	Bloodâ€“Brain Barrier (BBB) Pharmacoproteomics: A New Research Field Opened Up by Quantitative Targeted Absolute Proteomics (QTAP). AAPS Advances in the Pharmaceutical Sciences Series, 2014, , 63-100.	0.6	2
78	A study protocol for quantitative targeted absolute proteomics (QTAP) by LC-MS/MS: application for inter-strain differences in protein expression levels of transporters, receptors, claudin-5, and marker proteins at the bloodâ€“brain barrier in ddY, FVB, and C57BL/6J mice. Fluids and Barriers of the CNS, 2013, 10, 21.	5.0	185
79	Functional expression of a proton-coupled organic cation (H+/OC) antiporter in human brain capillary endothelial cell line hCMEC/D3, a human bloodâ€“brain barrier model. Fluids and Barriers of the CNS, 2013, 10, 8.	5.0	62
80	Contributions of Degradation and Brain-to-blood Elimination Across the Bloodâ€”Brain Barrier to Cerebral Clearance of Human Amyloid-Î² Peptide(1-40) in Mouse Brain. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1770-1777.	4.3	16
81	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. Molecular Pharmacology, 2013, 83, 490-500.	2.3	23
82	Quantitative expression of human drug transporter proteins in lung tissues: Analysis of regional, gender, and interindividual differences by liquid chromatographyâ€“tandem mass spectrometry. Journal of Pharmaceutical Sciences, 2013, 102, 3395-3406.	3.3	72
83	Quantitative Targeted Absolute Proteomic Analysis of Transporters, Receptors and Junction Proteins for Validation of Human Cerebral Microvascular Endothelial Cell Line hCMEC/D3 as a Human Bloodâ€“Brain Barrier Model. Molecular Pharmaceutics, 2013, 10, 289-296.	4.6	190
84	Blood-to-brain influx transport of nicotine at the rat blood?brain barrier: Involvement of a pyrilamine-sensitive organic cation transport process. Neurochemistry International, 2013, 62, 173-181.	3.8	50
85	Critical role of TXNIP in oxidative stress, DNA damage and retinal pericyte apoptosis under high glucose: Implications for diabetic retinopathy. Experimental Cell Research, 2013, 319, 1001-1012.	2.6	97
86	Quantitative Targeted Absolute Proteomics-Based Large-Scale Quantification of Proline-Hydroxylated Î±-Fibrinogen in Plasma for Pancreatic Cancer Diagnosis. Journal of Proteome Research, 2013, 12, 753-762.	3.7	31
87	Quantitative Atlas of Bloodâ€“Brain Barrier Transporters, Receptors, and Tight Junction Proteins in Rats and Common Marmoset. Journal of Pharmaceutical Sciences, 2013, 102, 3343-3355.	3.3	198
88	Perspectives on a pharmacokinetics legend: C versus T (contributions over time). Journal of Pharmaceutical Sciences, 2013, 102, 2889-2894.	3.3	0
89	Establishment and characterization of spinal cord microvascular endothelial cell lines. Clinical and Experimental Neuroimmunology, 2013, 4, 326-338.	1.0	20
90	Trans-chromosomic mice containing a human CYP3A cluster for prediction of xenobiotic metabolism in humans. Human Molecular Genetics, 2013, 22, 578-592.	2.9	68

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91	Involvement of Insulin-Degrading Enzyme in Insulin- and Atrial Natriuretic Peptide-Sensitive Internalization of Amyloid-Î² Peptide in Mouse Brain Capillary Endothelial Cells. Journal of Alzheimer's Disease, 2013, 38, 185-200.	2.6	29
92	Quantitative targeted absolute proteomics (QTAP)-based rational research on the human blood-brain barrier transport. Drug Delivery System, 2013, 28, 270-278.	0.0	0
93	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. Drug Metabolism and Disposition, 2012, 40, 83-92.	3.3	373
94	Absolute Quantification and Differential Expression of Drug Transporters, Cytochrome P450 Enzymes, and UDP-Glucuronosyltransferases in Cultured Primary Human Hepatocytes. Drug Metabolism and Disposition, 2012, 40, 93-103.	3.3	121
95	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. Drug Metabolism and Disposition, 2012, 40, 1164-1169.	3.3	112
96	Establishment and Characterization of Human Peripheral Nerve Microvascular Endothelial Cell Lines: A New <i>in vitro</i> Blood-Nerve Barrier (BNB) Model. Cell Structure and Function, 2012, 37, 89-100.	1.1	34
97	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. Pharmaceutical Research, 2012, 29, 2006-2016.	3.5	23
98	Recurrent anaplastic meningioma treated by sunitinib based on results from quantitative proteomics. Neuropathology and Applied Neurobiology, 2012, 38, 105-110.	3.2	11
99	Transcriptomic and Quantitative Proteomic Analysis of Transporters and Drug Metabolizing Enzymes in Freshly Isolated Human Brain Microvessels. Molecular Pharmaceutics, 2011, 8, 1332-1341.	4.6	324
100	Fluids and Barriers of the CNS: a new journal encompassing Cerebrospinal Fluid Research. Fluids and Barriers of the CNS, 2011, 8, 1.	5.0	29
101	GSK-3Î²/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. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1080-1088.	3.8	25
102	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. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 579-588.	2.5	116
103	In-vivo Blood-brain Barrier Transport of a Novel Adrenocorticotropic Hormone Analogue, Ebiratide, Demonstrated by Brain Microdialysis and Capillary Depletion Methods. Journal of Pharmacy and Pharmacology, 2011, 44, 583-588.	2.4	32
104	Experimental evidence of characteristic tissue distribution of adriamycin. Tissue DNA concentration as a determinant. Journal of Pharmacy and Pharmacology, 2011, 34, 597-600.	2.4	46
105	Specific binding and clearance of [3H]dynorphin (1â€“13) in the perfused rat lung: an application of the multiple-indicator dilution method. Journal of Pharmacy and Pharmacology, 2011, 42, 879-882.	2.4	10
106	Physiological pharmacokinetics of Mactam antibiotics: penicillin V distribution and elimination after intravenous administration in rats. Journal of Pharmacy and Pharmacology, 2011, 31, 116-119.	2.4	20
107	In-vitro Evidence for Carrier-mediated Uptake of Acidic Drugs by Isolated Bovine Brain Capillaries. Journal of Pharmacy and Pharmacology, 2011, 43, 172-176.	2.4	18
108	A carrier-mediated transport system for benzylpenicillin in isolated hepatocytes. Journal of Pharmacy and Pharmacology, 2011, 37, 55-57.	2.4	21

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109	Intestinal brush-border transport of the oral cephalosporin antibiotic, cefdinir, mediated by dipeptide and monocarboxylic acid transport systems in rabbits. Journal of Pharmacy and Pharmacology, 2011, 45, 996-998.	2.4	45
110	Molecular-weight-dependent, Anionic-substrate-preferential Transport of Î²-Lactam Antibiotics via Multidrug Resistance-associated Protein 4. Drug Metabolism and Pharmacokinetics, 2011, 26, 602-611.	2.2	29
111	Quantitative targeted absolute proteomics of human bloodâ€“brain barrier transporters and receptors. Journal of Neurochemistry, 2011, 117, 333-345.	3.9	683
112	Amyloidâ€Î² peptide(1â€40) elimination from cerebrospinal fluid involves lowâ€density lipoprotein receptorâ€related protein 1 at the bloodâ€cerebrospinal fluid barrier. Journal of Neurochemistry, 2011, 118, 407-415.	3.9	46
113	Atrial Natriuretic Peptide is Eliminated from the Brain by Natriuretic Peptide Receptor-C-Mediated Brain-to-Blood Efflux Transport at the Bloodâ€"Brain Barrier. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 457-466.	4.3	18
114	Attenuation of prostaglandin E2 elimination across the mouse blood-brain barrier in lipopolysaccharide-induced inflammation and additive inhibitory effect of cefmetazole. Fluids and Barriers of the CNS, 2011, 8, 24.	5.0	33
115	Proteome analysis of rat serum proteins adsorbed onto synthetic octacalcium phosphate crystals. Analytical Biochemistry, 2011, 418, 276-285.	2.4	47
116	Targeting choroid plexus epithelia and ventricular ependyma for drug delivery to the central nervous system. BMC Neuroscience, 2011, 12, 4.	1.9	28
117	1Î±,25-Dihydroxyvitamin D3 enhances cerebral clearance of human amyloid-Î² peptide(1-40) from mouse brain across the blood-brain barrier. Fluids and Barriers of the CNS, 2011, 8, 20.	5.0	85
118	Simultaneous Absolute Quantification of 11 Cytochrome P450 Isoforms in Human Liver Microsomes by Liquid Chromatography Tandem Mass Spectrometry with In Silico Target Peptide Selection. Journal of Pharmaceutical Sciences, 2011, 100, 341-352.	3.3	150
119	Quantitative Membrane Protein Expression at the Bloodâ€"Brain Barrier of Adult and Younger Cynomolgus Monkeys. Journal of Pharmaceutical Sciences, 2011, 100, 3939-3950.	3.3	197
120	Diphenhydramine Active Uptake at the Bloodâ€"Brain Barrier and Its Interaction with Oxycodone in vitro and in Vivo. Journal of Pharmaceutical Sciences, 2011, 100, 3912-3923.	3.3	79
121	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. Journal of Pharmaceutical Sciences, 2011, 100, 4037-4043.	3.3	55
122	Functional characterization of Rat Plasma Membrane Monoamine Transporter in the Bloodâ€"Brain and Bloodâ€"Cerebrospinal Fluid Barriers. Journal of Pharmaceutical Sciences, 2011, 100, 3924-3938.	3.3	41
123	Quantitative Targeted Absolute Proteomics-Based Adme Research as A New Path to Drug Discovery and Development: Methodology, Advantages, Strategy, and Prospects. Journal of Pharmaceutical Sciences, 2011, 100, 3547-3559.	3.3	125
124	Inner Bloodâ€"Retinal Barrier Mediates L-Isomer-Predominant Transport of Serine. Journal of Pharmaceutical Sciences, 2011, 100, 3892-3903.	3.3	11
125	Professor Akira Tsuji: Scientist, Educator, and Leader. Journal of Pharmaceutical Sciences, 2011, 100, 3541-3546.	3.3	0
126	Peripheral nerve pericytes modify the bloodâ€"nerve barrier function and tight junctional molecules through the secretion of various soluble factors. Journal of Cellular Physiology, 2011, 226, 255-266.	4.1	101

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127	Saturable uptake of cefixime, a new oral cephalosporin without an Î±-amino group, by the rat intestine. Journal of Pharmacy and Pharmacology, 2011, 39, 272-277.	2.4	37
128	Expression of ABC-type transport proteins in human platelets. Pharmacogenetics and Genomics, 2010, 20, 396-400.	1.5	32
129	Reduction of L-Type Amino Acid Transporter 1 mRNA Expression in Brain Capillaries in a Mouse Model of Parkinson's Disease. Biological and Pharmaceutical Bulletin, 2010, 33, 1250-1252.	1.4	27
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