

Sumio Ohtsuki

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9400149/sumio-ohtsuki-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

207
papers

10,711
citations

60
h-index

96
g-index

227
ext. papers

12,087
ext. citations

4.9
avg, IF

6.04
L-index

#	Paper	IF	Citations
207	Targeted proteomics for cancer biomarker verification and validation.. <i>Cancer Biomarkers</i> , 2022 , 33, 427-436	3.8	36
206	Quantitative and Targeted Proteomics of the Blood-Brain Barrier: Species and Cell Line Differences. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2022 , 123-139	0.5	
205	Diurnal Changes in Protein Expression at the BloodBrain Barrier in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2022 , 45, 751-756	2.3	
204	Nicotine promotes angiogenesis in mouse brain after intracerebral hemorrhage. <i>Neuroscience Research</i> , 2021 , 170, 284-294	2.9	2
203	Metformin ameliorates the severity of experimental Alport syndrome. <i>Scientific Reports</i> , 2021 , 11, 7053	4.9	6
202	Lysine Demethylase 5A is Required for MYC Driven Transcription in Multiple Myeloma. <i>Blood Cancer Discovery</i> , 2021 , 2, 370-387	7	4
201	In-vitro acetylation of SARS-CoV and SARS-CoV-2 nucleocapsid proteins by human PCAF and GCN5. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 557, 273-279	3.4	3
200	Advances in sample preparation for membrane proteome quantification.. <i>Drug Discovery Today: Technologies</i> , 2021 , 39, 23-29	7.1	3
199	Acetylation of the influenza A virus polymerase subunit PA in the N-terminal domain positively regulates its endonuclease activity. <i>FEBS Journal</i> , 2021 ,	5.7	2
198	Efficient isolation of brain capillary from a single frozen mouse brain for protein expression analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1026-1038	7.3	4
197	Quantitative and targeted proteomics-based identification and validation of drug efficacy biomarkers. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 36, 100361	2.2	6
196	Transient, Tunable Expression of NTCP and BSEP in MDCKII Cells for Kinetic Delineation of the Rate-Determining Process and Inhibitory Effects of Rifampicin in Hepatobiliary Transport of Taurocholate. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 365-375	3.9	2
195	SHOC2 Is a Critical Modulator of Sensitivity to EGFR-TKIs in Non-Small Cell Lung Cancer Cells. <i>Molecular Cancer Research</i> , 2021 , 19, 317-328	6.6	1
194	Oral Coadministration of Zn-Insulin with d-Form Small Intestine-Permeable Cyclic Peptide Enhances Its Blood Glucose-Lowering Effect in Mice. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1593-1603	5.6	4
193	Proteomics Analysis of Lymphatic Metastasis-Related Proteins Using Highly Metastatic Human Melanoma Cells Originated by Sequential in Vivo Implantation. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 1551-1556	2.3	
192	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
191	Cyclocreatine Transport by SLC6A8, the Creatine Transporter, in HEK293 Cells, a Human Blood-Brain Barrier Model Cell, and CCDSs Patient-Derived Fibroblasts. <i>Pharmaceutical Research</i> , 2020 , 37, 61	4.5	3

190	Novel cyclic peptides facilitating transcellular blood-brain barrier transport of macromolecules in vitro and in vivo. <i>Journal of Controlled Release</i> , 2020 , 321, 744-755	11.7	13
189	Identification of Cell-Surface Proteins Endocytosed by Human Brain Microvascular Endothelial Cells In Vitro. <i>Pharmaceutics</i> , 2020 , 12,	6.4	5
188	Laminin Subunit Alpha-4 and Osteopontin Are Glioblastoma-Selective Secreted Proteins That Are Increased in the Cerebrospinal Fluid of Glioblastoma Patients. <i>Journal of Proteome Research</i> , 2020 , 19, 3542-3553	5.6	1
187	Assessing cytochrome P450-based drug-drug interactions with hemoglobin-vesicles, an artificial red blood cell preparation, in healthy rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 425-431	2.2	3
186	Convenient method of producing cyclic single-chain Fv antibodies by split-intein-mediated protein ligation and chaperone co-expression. <i>Journal of Biochemistry</i> , 2020 , 168, 257-263	3.1	2
185	Effects of differences in pre-analytical processing on blood protein profiles determined with SWATH-MS. <i>Journal of Proteomics</i> , 2020 , 223, 103824	3.9	4
184	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
183	Lactose-appended Cyclodextrin as an effective nanocarrier for brain delivery. <i>Journal of Controlled Release</i> , 2020 , 328, 722-735	11.7	3
182	The Multipotential of Leucine-Rich Glycoprotein 1 as a Clinicopathological Biomarker of Glioblastoma. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 873-879	3.1	6
181	Evaluation of cytochrome P450-based drug metabolism in hemorrhagic shock rats that were transfused with native and an artificial red blood cell preparation, Hemoglobin-vesicles. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 417-424	2.2	1
180	Proteomic Evaluation of Plasma Membrane Fraction Prepared from a Mouse Liver and Kidney Using a Bead Homogenizer: Enrichment of Drug-Related Transporter Proteins. <i>Molecular Pharmaceutics</i> , 2020 , 17, 4101-4113	5.6	3
179	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
178	Mass Spectrometry-Compatible Subcellular Fractionation for Proteomics. <i>Journal of Proteome Research</i> , 2020 , 19, 75-84	5.6	10
177	Matrix mechanotransduction mediated by thrombospondin-1/integrin/YAP in the vascular remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9896-9905	11.5	38
176	Proteomic analysis of small intestinal epithelial cells in antibiotic-treated mice: Changes in drug transporters and metabolizing enzymes. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 159-162	2.2	6
175	Tandem Mass Spectrometry Imaging Reveals Distinct Accumulation Patterns of Steroid Structural Isomers in Human Adrenal Glands. <i>Analytical Chemistry</i> , 2019 , 91, 8918-8925	7.8	27
174	Large-Scale Quantitative Comparison of Plasma Transmembrane Proteins between Two Human Blood-Brain Barrier Model Cell Lines, hCMEC/D3 and HBMEC/ci. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2162-2171	5.6	11
173	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

172	Changes of Blood-Brain Barrier and Brain Parenchymal Protein Expression Levels of Mice under Different Insulin-Resistance Conditions Induced by High-Fat Diet. <i>Pharmaceutical Research</i> , 2019 , 36, 141	4.5	16
171	Development of a lipoplex-type mRNA carrier composed of an ionizable lipid with a vitamin E scaffold and the KALA peptide for use as an ex vivo dendritic cell-based cancer vaccine. <i>Journal of Controlled Release</i> , 2019 , 310, 36-46	11.7	23
170	Cyclization of Single-Chain Fv Antibodies Markedly Suppressed Their Characteristic Aggregation Mediated by Inter-Chain VH-VL Interactions. <i>Molecules</i> , 2019 , 24,	4.8	10
169	Leucine-Rich Alpha-2-Glycoprotein 1 in Serum Is a Possible Biomarker to Predict Response to Preoperative Chemoradiotherapy for Esophageal Cancer. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 1766-1771	2.3	10
168	Molecular characterization of urate transport via paracellular route.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019 , 92, 1-P-111	0	
167	CBMT-18. THE ROLE OF BIOMARKER CANDIDATE GELSOLIN AND ITS MICRORNAS IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi36-vi37	1	78
166	Urate Transport via Paracellular Route across Epithelial Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 43-49	2.3	1
165	Knockdown of Orphan Transporter SLC22A18 Impairs Lipid Metabolism and Increases Invasiveness of HepG2 Cells. <i>Pharmaceutical Research</i> , 2019 , 36, 39	4.5	7
164	Identification of a Specific Translational Machinery via TCTP-EF1A2 Interaction Regulating NF1-associated Tumor Growth by Affinity Purification and Data-independent Mass Spectrometry Acquisition (AP-DIA). <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 245-262	7.6	9
163	Comparison of venous and fingertip plasma using non-targeted proteomics and metabolomics. <i>Talanta</i> , 2019 , 192, 182-188	6.2	7
162	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
161	Reduction in hepatic secondary bile acids caused by short-term antibiotic-induced dysbiosis decreases mouse serum glucose and triglyceride levels. <i>Scientific Reports</i> , 2018 , 8, 1253	4.9	41
160	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
159	SIRT7 has a critical role in bone formation by regulating lysine acylation of SP7/Osterix. <i>Nature Communications</i> , 2018 , 9, 2833	17.4	36
158	Characterization of P-Glycoprotein Humanized Mice Generated by Chromosome Engineering Technology: Its Utility for Prediction of Drug Distribution to the Brain in Humans. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1756-1766	4	18
157	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
156	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
155	Involvement of an Orphan Transporter, SLC22A18, in Cell Growth and Drug Resistance of Human Breast Cancer MCF7 Cells. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 3163-3170	3.9	8

154	Influenza virus replication raises the temperature of cells. <i>Virus Research</i> , 2018 , 257, 94-101	6.4	6
153	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
152	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
151	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
150	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
149	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
148	Regulation of Tight-Junction Integrity by Insulin in an In Vitro Model of Human Blood-Brain Barrier. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2599-2605	3.9	22
147	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
146	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
145	A simplified and sensitive method to identify Alzheimer's disease biomarker candidates using patient-derived induced pluripotent stem cells (iPSCs). <i>Journal of Biochemistry</i> , 2017 , 162, 391-394	3.1	12
144	Combining Genomics To Identify the Pathways of Post-Transcriptional Nongenotoxic Signaling and Energy Homeostasis in Livers of Rats Treated with the Pregnane X Receptor Agonist, Pregnenolone Carbonitrile. <i>Journal of Proteome Research</i> , 2017 , 16, 3634-3645	5.6	4
143	Multi-laboratory assessment of reproducibility, qualitative and quantitative performance of SWATH-mass spectrometry. <i>Nature Communications</i> , 2017 , 8, 291	17.4	252
142	Identification of cyclic peptides for facilitation of transcellular transport of phages across intestinal epithelium in vitro and in vivo. <i>Journal of Controlled Release</i> , 2017 , 262, 232-238	11.7	14
141	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
140	Effect of Intestinal Flora on Protein Expression of Drug-Metabolizing Enzymes and Transporters in the Liver and Kidney of Germ-Free and Antibiotics-Treated Mice. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2691-701	5.6	54
139	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
138	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
137	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

136	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
135	Design and synthesis of a novel pre-column derivatization reagent with a 6-methoxy-4-quinolone moiety for fluorescence and tandem mass spectrometric detection and its application to chiral amino acid analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 116, 71-9	3.5	10
134	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
133	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
132	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
131	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
130	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
129	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
128	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
127	CS-25 * MOLECULAR SUBCLASSIFICATION OF GLIOBLASTOMA BASED ON THE ABSOLUTE QUANTITATIVE PROTEOMICS. <i>Neuro-Oncology</i> , 2014 , 16, v56-v56	1	78
126	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
125	Quantitative targeted proteomics for understanding the blood-brain barrier: towards pharmacoproteomics. <i>Expert Review of Proteomics</i> , 2014 , 11, 303-13	4.2	32
124	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
123	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
122	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
121	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
120	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
119	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

118	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
117	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
116	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
115	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
114	Establishment and characterization of spinal cord microvascular endothelial cell lines. <i>Clinical and Experimental Neuroimmunology</i> , 2013 , 4, 326-338	0.4	12
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	Quantitative targeted absolute proteomics of human blood-brain barrier transporters and receptors. <i>Journal of Neurochemistry</i> , 2011 , 117, 333-45	6	552
105	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
104	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
103	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
102	1β 5-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
101	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

100	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
99	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
98	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
97	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
96	6-Mercaptopurine transport by equilibrative nucleoside transporters in conditionally immortalized rat syncytiotrophoblast cell lines TR-TBTs. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3773-82	3.9	14
95	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
94	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
93	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
92	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
91	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
90	Expression of ABC-type transport proteins in human platelets. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 396-400	1.9	29
89	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
88	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
87	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
86	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
85	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
84	Beneficial effects of estrogen in a mouse model of cerebrovascular insufficiency. <i>PLoS ONE</i> , 2009 , 4, e5159	3.7	29
83	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

82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	Function and regulation of taurine transport at the inner blood-retinal barrier. <i>Microvascular Research</i> , 2007 , 73, 100-6	3.7	61
66	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
65	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

64	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
63	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
62	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
61	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
60	Drug delivery system based on transport characteristics of biological membranes Molecular mechanisms of blood-brain barrier transport system and its contribution to drug delivery to the brain. <i>Drug Delivery System</i> , 2006 , 21, 102-110	0	
59	Physiological pharmacokinetics and membrane transport for drug delivery research. <i>International Congress Series</i> , 2005 , 1284, 266-273		
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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	
50	Blood-brain barrier permeability of novel [D-arg2]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
49	Brain insulin impairs amyloid-beta(1-40) clearance from the brain. <i>Journal of Neuroscience</i> , 2004 , 24, 9632-8	3.8	79
48	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
47	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

46	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
45	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
44	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
43	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
42	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
41	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
40	New aspects of the blood-brain barrier transporters; its physiological roles in the central nervous system. <i>Biological and Pharmaceutical Bulletin</i> , 2004 , 27, 1489-96	2.3	73
39	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
38	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
37	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
36	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
35	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
34	New approaches to in vitro models of blood-brain barrier drug transport. <i>Drug Discovery Today</i> , 2003 , 8, 944-54	8.8	145
33	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
32	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
31	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
30	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	
29	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

28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	Localization of norepinephrine and serotonin transporter in mouse brain capillary endothelial cells. <i>Neuroscience Research</i> , 2002 , 44, 173-80	2.9	65
18	Blood-Brain Barrier Transport and Drug Targeting to the Brain 2002 , 313-326		
17	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
16	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
15	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
14	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
13	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
12	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
11	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

10	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
9	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
8	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
7	GAGA mediates the enhancer blocking activity of the eve promoter in the Drosophila embryo. <i>Genes and Development</i> , 1998 , 12, 3325-30	12.6	120
6	cDNA cloning of mouse prolyl endopeptidase and its involvement in DNA synthesis by Swiss 3T3 cells. <i>Journal of Biochemistry</i> , 1998 , 123, 540-5	3.1	34
5	Different core promoters possess distinct regulatory activities in the Drosophila embryo. <i>Genes and Development</i> , 1998 , 12, 547-56	12.6	163
4	Nuclear localization and involvement in DNA synthesis of Sarcophaga prolyl endopeptidase. <i>Journal of Biochemistry</i> , 1997 , 121, 1176-81	3.1	18
3	Molecular cloning of cDNA for Sarcophaga prolyl endopeptidase and characterization of the recombinant enzyme produced by an E. coli expression system. <i>Insect Biochemistry and Molecular Biology</i> , 1997 , 27, 337-43	4.5	8
2	A prolyl endopeptidase of Sarcophaga peregrina (flesh fly): its purification and suggestion for its participation in the differentiation of the imaginal discs. <i>Journal of Biochemistry</i> , 1994 , 115, 449-53	3.1	43
1	Multi-laboratory assessment of reproducibility, qualitative and quantitative performance of SWATH-mass spectrometry		3