

Joanne Wang

List of Publications by Year in descending order

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53
papers

2,336
citations

201674

27
h-index

214800

47
g-index

55
all docs

55
docs citations

55
times ranked

2187
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Characterization of a Novel Monoamine Transporter in the Human Brain. <i>Journal of Biological Chemistry</i> , 2004, 279, 50042-50049.	3.4	240
2	Metformin Transport by a Newly Cloned Proton-Stimulated Organic Cation Transporter (Plasma) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 2007, 35, 1956-1962.	3.3	212
3	Interaction of Organic Cations with a Newly Identified Plasma Membrane Monoamine Transporter. <i>Molecular Pharmacology</i> , 2005, 68, 1397-1407.	2.3	182
4	Selective Transport of Monoamine Neurotransmitters by Human Plasma Membrane Monoamine Transporter and Organic Cation Transporter 3. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 743-753.	2.5	179
5	Renal drug transporters and their significance in drug-drug interactions. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 363-373.	12.0	134
6	Expression Profiling of the Solute Carrier Gene Family in the Mouse Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 558-570.	2.5	99
7	Polyspecific organic cation transporters and their impact on drug intracellular levels and pharmacodynamics. <i>Pharmacological Research</i> , 2016, 111, 237-246.	7.1	77
8	Membrane localization and pH-dependent transport of a newly cloned organic cation transporter (PMAT) in kidney cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F682-F690.	2.7	73
9	Drug-drug interactions involving membrane transporters in the human kidney. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2006, 2, 505-532.	3.3	71
10	Taste of a Pill. <i>Journal of Biological Chemistry</i> , 2014, 289, 27055-27064.	3.4	68
11	Evidence for significant contribution of a newly identified monoamine transporter (PMAT) to serotonin uptake in the human brain. <i>Biochemical Pharmacology</i> , 2007, 73, 147-154.	4.4	62
12	Autism spectrum disorder associated with low serotonin in CSF and mutations in the SLC29A4 plasma membrane monoamine transporter (PMAT) gene. <i>Molecular Autism</i> , 2014, 5, 43.	4.9	59
13	INTERACTIONS OF AMOXICILLIN AND CEFACLOR WITH HUMAN RENAL ORGANIC ANION AND PEPTIDE TRANSPORTERS. <i>Drug Metabolism and Disposition</i> , 2006, 34, 547-555.	3.3	57
14	Impaired Monoamine and Organic Cation Uptake in Choroid Plexus in Mice with Targeted Disruption of the Plasma Membrane Monoamine Transporter (Slc29a4) Gene. <i>Journal of Biological Chemistry</i> , 2013, 288, 3535-3544.	3.4	55
15	Effect of Gestational Age on mRNA and Protein Expression of Polyspecific Organic Cation Transporters during Pregnancy. <i>Drug Metabolism and Disposition</i> , 2013, 41, 2225-2232.	3.3	53
16	Potent and Selective Inhibition of Plasma Membrane Monoamine Transporter by HIV Protease Inhibitors. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1773-1780.	3.3	50
17	Atenolol Renal Secretion Is Mediated by Human Organic Cation Transporter 2 and Multidrug and Toxin Extrusion Proteins. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1872-1881.	3.3	45
18	Serotonin transporter deficiency drives estrogen-dependent obesity and glucose intolerance. <i>Scientific Reports</i> , 2017, 7, 1137.	3.3	44

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19	Molecular Determinants of Substrate Selectivity of a Novel Organic Cation Transporter (PMAT) in the SLC29 Family. <i>Journal of Biological Chemistry</i> , 2007, 282, 3188-3195.	3.4	40
20	Expression Profiling of Solute Carrier Gene Families at the Blood-CSF Barrier. <i>Frontiers in Pharmacology</i> , 2012, 3, 154.	3.5	38
21	Organic Cation Transporter 3 Facilitates Fetal Exposure to Metformin during Pregnancy. <i>Molecular Pharmacology</i> , 2018, 94, 1125-1131.	2.3	37
22	Adenosine Transport by Plasma Membrane Monoamine Transporter: Reinvestigation and Comparison with Organic Cations. <i>Drug Metabolism and Disposition</i> , 2010, 38, 1798-1805.	3.3	36
23	Impact of Substrate-Dependent Inhibition on Renal Organic Cation Transporters hOCT2 and hMATE1/2-K-Mediated Drug Transport and Intracellular Accumulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 401-410.	2.5	36
24	Targeting OCT3 attenuates doxorubicin-induced cardiac injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
25	Electrophysiological Characterization of the Polyspecific Organic Cation Transporter Plasma Membrane Monoamine Transporter. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1138-1143.	3.3	31
26	Effects of Pregnancy on the Pharmacokinetics of Metformin. <i>Drug Metabolism and Disposition</i> , 2020, 48, 264-271.	3.3	31
27	Drug Transporters in Xenobiotic Disposition and Pharmacokinetic Prediction. <i>Drug Metabolism and Disposition</i> , 2018, 46, 561-566.	3.3	30
28	Involvement of organic cation transporter 3 (Oct3/Slc22a3) in the bioavailability and pharmacokinetics of antidiabetic metformin in mice. <i>Drug Metabolism and Pharmacokinetics</i> , 2016, 31, 385-388.	2.2	26
29	Interaction and Transport of Methamphetamine and its Primary Metabolites by Organic Cation and Multidrug and Toxin Extrusion Transporters. <i>Drug Metabolism and Disposition</i> , 2017, 45, 770-778.	3.3	22
30	A novel phenotypic method to determine fludarabine triphosphate accumulation in T-lymphocytes from hematopoietic cell transplantation patients. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 63, 391-401.	2.3	19
31	Molecular Analysis and Structure-Activity Relationship Modeling of the Substrate/Inhibitor Interaction Site of Plasma Membrane Monoamine Transporter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 376-385.	2.5	19
32	A highly sensitive high-performance liquid chromatography-mass spectrometry method for quantification of fludarabine triphosphate in leukemic cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 820, 243-250.	2.3	15
33	Imatinib inhibition of fludarabine uptake in T-lymphocytes. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 62, 735-739.	2.3	15
34	Interspecies comparison of the functional characteristics of plasma membrane monoamine transporter (PMAT) between human, rat and mouse. <i>Journal of Chemical Neuroanatomy</i> , 2017, 83-84, 99-106.	2.1	14
35	Choroid Plexus and Drug Removal Mechanisms. <i>AAPS Journal</i> , 2021, 23, 61.	4.4	14
36	Disposition of Methamphetamine and Major Metabolites in Mice: Role of Organic Cation Transporter 3 in Tissue-Selective Accumulation of <i>Para</i> -Hydroxymethamphetamine. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1277-1284.	3.3	12

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37	Tyrosine 112 Is Essential for Organic Cation Transport by the Plasma Membrane Monoamine Transporter. <i>Biochemistry</i> , 2010, 49, 7839-7846.	2.5	11
38	Deletion of murine <i>slc29a4</i> modifies vascular responses to adenosine and 5-hydroxytryptamine in a sexually dimorphic manner. <i>Physiological Reports</i> , 2020, 8, e14395.	1.7	11
39	Renal secretion of hydrochlorothiazide involves organic anion transporter 1/3, organic cation transporter 2, and multidrug and toxin extrusion protein 2-K. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F805-F814.	2.7	10
40	Brain Plasma Membrane Monoamine Transporter in Health and Disease. <i>Handbook of Experimental Pharmacology</i> , 2021, 266, 253-280.	1.8	10
41	Residue Ile89 in human plasma membrane monoamine transporter influences its organic cation transport activity and sensitivity to inhibition by dilazep. <i>Biochemical Pharmacology</i> , 2012, 84, 383-390.	4.4	8
42	Multiple Transport Mechanisms Involved in the Intestinal Absorption of Metformin: Impact on the Nonlinear Absorption Kinetics. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 1531-1541.	3.3	8
43	Intracellular disposition of fludarabine triphosphate in human natural killer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 63, 959-964.	2.3	7
44	Recipient Pretransplant Inosine Monophosphate Dehydrogenase Activity in Nonmyeloablative Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 1544-1552.	2.0	7
45	Transport of Bupropion and its Metabolites by the Model CHO and HEK293 Cell Lines. <i>Drug Metabolism Letters</i> , 2019, 13, 25-36.	0.8	6
46	Clinical Applications and the Roles of Transporters in Disposition, Tumor Targeting, and Tissue Toxicity of <i>meta</i> -Iodobenzylguanidine. <i>Drug Metabolism and Disposition</i> , 2022, 50, 1218-1227.	3.3	6
47	Hypoxanthine Transport in Human Glioblastoma Cells and Effect on Cell Susceptibility to Methotrexate. <i>Pharmaceutical Research</i> , 2003, 20, 1804-1811.	3.5	4
48	Potent inhibition of human organic cation transporter 2 (hOCT2) by β^2 -carboline alkaloids. <i>Xenobiotica</i> , 2017, 47, 1112-1120.	1.1	4
49	Effect of Pregnancy on Paroxetine-Induced Adiposity and Glucose Intolerance in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 113-120.	2.5	4
50	Live Tissue Imaging Reveals Distinct Transcellular Pathways for Organic Cations and Anions at the Blood-Cerebrospinal Fluid Barrier. <i>Molecular Pharmacology</i> , 2022, 101, 334-342.	2.3	4
51	Evaluation of Blood-CSF Barrier Transport by Quantitative Real Time Fluorescence Microscopy. <i>Pharmaceutical Research</i> , 2022, 39, 1469-1480.	3.5	2
52	Nucleoside Transporters: CNTs and ENTs. , 0, , 171-200.		0
53	The Organic Cation Transporter 3 (OCT3) Facilitates Fetal Disposition of Metformin during Pregnancy. <i>FASEB Journal</i> , 2013, 27, 891.5.	0.5	0