

Patrick T Ronaldson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2335792/publications.pdf>

Version: 2024-02-01

45
papers

3,180
citations

159585

30
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

3447
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood-brain barrier dysfunction in ischemic stroke: targeting tight junctions and transporters for vascular protection. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C343-C356.	4.6	351
2	Transporters at CNS Barrier Sites: Obstacles or Opportunities for Drug Delivery?. <i>Current Pharmaceutical Design</i> , 2014, 20, 1422-1449.	1.9	201
3	In Situ Localization of P-glycoprotein (ABCB1) in Human and Rat Brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1159-1167.	2.5	199
4	Regulation of blood-brain barrier integrity by microglia in health and disease: A therapeutic opportunity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, S6-S24.	4.3	196
5	Structure, Function, and Regulation of the Blood-Brain Barrier Tight Junction in Central Nervous System Disorders. <i>Frontiers in Physiology</i> , 2020, 11, 914.	2.8	184
6	Blood-Brain Barrier Integrity and Glial Support: Mechanisms that can be Targeted for Novel Therapeutic Approaches in Stroke. <i>Current Pharmaceutical Design</i> , 2012, 18, 3624-3644.	1.9	142
7	Transforming Growth Factor- β Signaling Alters Substrate Permeability and Tight Junction Protein Expression at the Blood-Brain Barrier during Inflammatory Pain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1084-1098.	4.3	135
8	HIV-1 Viral Envelope Glycoprotein gp120 Triggers an Inflammatory Response in Cultured Rat Astrocytes and Regulates the Functional Expression of P-Glycoprotein. <i>Molecular Pharmacology</i> , 2006, 70, 1087-1098.	2.3	130
9	Up-regulation of P-glycoprotein by HIV protease inhibitors in a human brain microvessel endothelial cell line. <i>Journal of Neuroscience Research</i> , 2009, 87, 1023-1036.	2.9	103
10	HIV-1 viral envelope glycoprotein gp120 produces oxidative stress and regulates the functional expression of multidrug resistance protein-1 (Mrp1) in glial cells. <i>Journal of Neurochemistry</i> , 2008, 106, 1298-1313.	3.9	99
11	Cellular localization and functional expression of P-glycoprotein in rat astrocyte cultures. <i>Journal of Neurochemistry</i> , 2004, 89, 788-800.	3.9	97
12	Drug Delivery to the Ischemic Brain. <i>Advances in Pharmacology</i> , 2014, 71, 165-202.	2.0	92
13	Regulation of ABC membrane transporters in glial cells: Relevance to the pharmacotherapy of brain HIV-1 infection. <i>Glia</i> , 2008, 56, 1711-1735.	4.9	85
14	Inflammatory Pain Signals an Increase in Functional Expression of Organic Anion Transporting Polypeptide 1a4 at the Blood-Brain Barrier. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 827-839.	2.5	72
15	Distribution of insulin in trigeminal nerve and brain after intranasal administration. <i>Scientific Reports</i> , 2019, 9, 2621.	3.3	72
16	Targeted Drug Delivery to Treat Pain and Cerebral Hypoxia. <i>Pharmacological Reviews</i> , 2013, 65, 291-314.	16.0	70
17	P-glycoprotein trafficking at the blood-brain barrier altered by peripheral inflammatory hyperalgesia. <i>Journal of Neurochemistry</i> , 2012, 122, 962-975.	3.9	66
18	Regulation of Multidrug Resistance Protein 1 by Tumor Necrosis Factor α in Cultured Glial Cells: Involvement of Nuclear Factor κ B and c-Jun N-Terminal Kinase Signaling Pathways. <i>Molecular Pharmacology</i> , 2010, 77, 644-659.	2.3	65

#	ARTICLE	IF	CITATIONS
19	Hypoxia/Reoxygenation Stress Signals an Increase in Organic Anion Transporting polypeptide 1a4 (Oatp1a4) at the Blood-Brain Barrier: Relevance to CNS Drug Delivery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 699-707.	4.3	64
20	Functional Expression of P-glycoprotein and Organic Anion Transporting Polypeptides at the Blood-Brain Barrier: Understanding Transport Mechanisms for Improved CNS Drug Delivery?. <i>AAPS Journal</i> , 2017, 19, 931-939.	4.4	61
21	Targeting transporters: Promoting blood-brain barrier repair in response to oxidative stress injury. <i>Brain Research</i> , 2015, 1623, 39-52.	2.2	57
22	Hypoxic Stress and Inflammatory Pain Disrupt Blood-Brain Barrier Tight Junctions: Implications for Drug Delivery to the Central Nervous System. <i>AAPS Journal</i> , 2017, 19, 910-920.	4.4	56
23	Role of Transporters in Central Nervous System Drug Delivery and Blood-Brain Barrier Protection: Relevance to Treatment of Stroke. <i>Journal of Central Nervous System Disease</i> , 2017, 9, 117957351769380.	1.9	53
24	Targeting blood-brain barrier changes during inflammatory pain: an opportunity for optimizing CNS drug delivery. <i>Therapeutic Delivery</i> , 2011, 2, 1015-1041.	2.2	52
25	Acetaminophen Modulates P-Glycoprotein Functional Expression at the Blood-Brain Barrier by a Constitutive Androstane Receptor-Dependent Mechanism. <i>Molecular Pharmacology</i> , 2013, 84, 774-786.	2.3	49
26	Tempol modulates changes in xenobiotic permeability and occludin oligomeric assemblies at the blood-brain barrier during inflammatory pain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H582-H593.	3.2	44
27	Involvement of P-Glycoprotein in the Transport of Saquinavir and Indinavir in Rat Brain Microvessel Endothelial and Microglia Cell Lines. <i>Pharmaceutical Research</i> , 2004, 21, 811-818.	3.5	43
28	P-glycoprotein Modulates Morphine Uptake into the CNS: A Role for the Non-steroidal Anti-inflammatory Drug Diclofenac. <i>PLoS ONE</i> , 2014, 9, e88516.	2.5	38
29	Multidrug resistance protein 1-mediated transport of saquinavir by microglia. <i>NeuroReport</i> , 2004, 15, 1183-1186.	1.2	35
30	Regulation of P-glycoprotein by human immunodeficiency virus-1 in primary cultures of human fetal astrocytes. <i>Journal of Neuroscience Research</i> , 2011, 89, 1773-1782.	2.9	35
31	Sex-specific differences in organic anion transporting polypeptide 1a4 (Oatp1a4) functional expression at the blood-brain barrier in Sprague-Dawley rats. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 25.	5.0	27
32	Transporter-Mediated Delivery of Small Molecule Drugs to the Brain: A Critical Mechanism That Can Advance Therapeutic Development for Ischemic Stroke. <i>Pharmaceutics</i> , 2020, 12, 154.	4.5	27
33	Blood-Brain Barrier Transporters: Opportunities for Therapeutic Development in Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1898.	4.1	26
34	Nrf2 signaling increases expression of ATP-binding cassette subfamily C mRNA transcripts at the blood-brain barrier following hypoxia-reoxygenation stress. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 6.	5.0	24
35	Functional Expression of Organic Anion Transporting Polypeptide 1a4 Is Regulated by Transforming Growth Factor- β 2/Activin Receptor-like Kinase 1 Signaling at the Blood-Brain Barrier. <i>Molecular Pharmacology</i> , 2018, 94, 1321-1333.	2.3	21
36	Modulation of Opioid Transport at the Blood-Brain Barrier by Altered ATP-Binding Cassette (ABC) Transporter Expression and Activity. <i>Pharmaceutics</i> , 2018, 10, 192.	4.5	21

#	ARTICLE	IF	CITATIONS
37	Bone morphogenetic protein-9 increases the functional expression of organic anion transporting polypeptide 1a4 at the blood-brain barrier via the activin receptor-like kinase-1 receptor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2340-2345.	4.3	18
38	Transport Properties of Statins by Organic Anion Transporting Polypeptide 1A2 and Regulation by Transforming Growth Factor- β Signaling in Human Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 376, 148-160.	2.5	18
39	Organic Cation Transporter (OCT/OCTN) Expression at Brain Barrier Sites: Focus on CNS Drug Delivery. <i>Handbook of Experimental Pharmacology</i> , 2021, 266, 301-328.	1.8	14
40	A Simple and Reproducible Method to Prepare Membrane Samples from Freshly Isolated Rat Brain Microvessels. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	9
41	Regulation of Blood-Brain Barrier Transporters by Transforming Growth Factor- β /Activin Receptor-Like Kinase 1 Signaling: Relevance to the Brain Disposition of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitors (i.e., Statins). <i>Drug Metabolism and Disposition</i> , 2022, 50, 942-956.	3.3	7
42	Gabapentin and Diclofenac Reduce Opioid Consumption in Patients Undergoing Tonsillectomy: A Result of Altered CNS Drug Delivery?. <i>Archives of Trauma Research</i> , 2013, 2, 97-8.	0.9	5
43	Editorial (Thematic Issue: Targeting Transporters for CNS Drug Delivery). <i>Current Pharmaceutical Design</i> , 2014, 20, 1419-1421.	1.9	3
44	High-Dose Acetaminophen Alters the Integrity of the Blood-brain Barrier and Leads to Increased CNS Uptake of Codeine in Rats. <i>Pharmaceutics</i> , 2022, 14, 949.	4.5	2
45	Glial Support of Blood-brain Barrier Integrity: Molecular Targets for Novel Therapeutic Strategies in Stroke. <i>Springer Series in Translational Stroke Research</i> , 2016, , 45-80.	0.1	0