

# Ignacio A Romero

## List of Publications by Citations

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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.

131 papers	10,554 citations	58 h-index	101 g-index
134 ext. papers	11,900 ext. citations	5.2 avg, IF	5.82 L-index

#	Paper	IF	Citations
131	Blood-brain barrier-specific properties of a human adult brain endothelial cell line. <i>FASEB Journal</i> , <b>2005</b> , 19, 1872-4	0.9	983
130	In vitro models of the blood-brain barrier: An overview of commonly used brain endothelial cell culture models and guidelines for their use. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2016</b> , 36, 862-90	7.3	414
129	The hCMEC/D3 cell line as a model of the human blood brain barrier. <i>Fluids and Barriers of the CNS</i> , <b>2013</b> , 10, 16	7	379
128	BBB on chip: microfluidic platform to mechanically and biochemically modulate blood-brain barrier function. <i>Biomedical Microdevices</i> , <b>2013</b> , 15, 145-50	3.7	348
127	Transporting therapeutics across the blood-brain barrier. <i>Trends in Molecular Medicine</i> , <b>1996</b> , 2, 106-13		341
126	Chemokines control fat accumulation and leptin secretion by cultured human adipocytes. <i>Molecular and Cellular Endocrinology</i> , <b>2001</b> , 175, 81-92	4.4	262
125	Reactive oxygen species alter brain endothelial tight junction dynamics via RhoA, PI3 kinase, and PKB signaling. <i>FASEB Journal</i> , <b>2007</b> , 21, 3666-76	0.9	255
124	Differential effects of hydrocortisone and TNFalpha on tight junction proteins in an in vitro model of the human blood-brain barrier. <i>Journal of Physiology</i> , <b>2008</b> , 586, 1937-49	3.9	223
123	Development of a three-dimensional, all-human in vitro model of the blood-brain barrier using mono-, co-, and tri-cultivation Transwell models. <i>Journal of Neuroscience Methods</i> , <b>2011</b> , 199, 223-9	3	217
122	The human brain endothelial cell line hCMEC/D3 as a human blood-brain barrier model for drug transport studies. <i>Journal of Neurochemistry</i> , <b>2008</b> , 107, 1358-68	6	217
121	Oxidative stress affects the junctional integrity of retinal pigment epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 675-84		195
120	Immortalized human brain endothelial cells and flow-based vascular modeling: a marriage of convenience for rational neurovascular studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2008</b> , 28, 312-28	7.3	194
119	MicroRNA-155 negatively affects blood-brain barrier function during neuroinflammation. <i>FASEB Journal</i> , <b>2014</b> , 28, 2551-65	0.9	188
118	Regulation of chemokine receptor expression in human microglia and astrocytes. <i>Journal of Neuroimmunology</i> , <b>2003</b> , 136, 84-93	3.5	177
117	Meningococcal type IV pili recruit the polarity complex to cross the brain endothelium. <i>Science</i> , <b>2009</b> , 325, 83-7	33.3	170
116	Secretion of interleukin-1beta by astrocytes mediates endothelin-1 and tumour necrosis factor-alpha effects on human brain microvascular endothelial cell permeability. <i>Journal of Neurochemistry</i> , <b>2003</b> , 86, 246-54	6	163
115	Hepatitis C virus infects the endothelial cells of the blood-brain barrier. <i>Gastroenterology</i> , <b>2012</b> , 142, 634-643.e6	13.3	161

114	Surface characteristics of nanoparticles determine their intracellular fate in and processing by human blood-brain barrier endothelial cells in vitro. <i>Molecular Therapy</i> , <b>2011</b> , 19, 318-25	11.7	150
113	Expression of inflammatory genes induced by beta-amyloid peptides in human brain endothelial cells and in Alzheimer's brain is mediated by the JNK-AP1 signaling pathway. <i>Neurobiology of Disease</i> , <b>2009</b> , 34, 95-106	7.5	149
112	Methamphetamine disrupts blood-brain barrier function by induction of oxidative stress in brain endothelial cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1933-45	7.3	148
111	Expression and transcriptional regulation of ABC transporters and cytochromes P450 in hCMEC/D3 human cerebral microvascular endothelial cells. <i>Biochemical Pharmacology</i> , <b>2009</b> , 77, 897-909	6	147
110	Changes in cytoskeletal and tight junctional proteins correlate with decreased permeability induced by dexamethasone in cultured rat brain endothelial cells. <i>Neuroscience Letters</i> , <b>2003</b> , 344, 112-6	3.3	147
109	Identification of an essential endogenous regulator of blood-brain barrier integrity, and its pathological and therapeutic implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 832-41	11.5	146
108	Cell-penetrating anti-GFAP VHH and corresponding fluorescent fusion protein VHH-GFP spontaneously cross the blood-brain barrier and specifically recognize astrocytes: application to brain imaging. <i>FASEB Journal</i> , <b>2012</b> , 26, 3969-79	0.9	120
107	Toxic effects of beta-amyloid(25-35) on immortalised rat brain endothelial cell: protection by carnosine, homocarnosine and beta-alanine. <i>Neuroscience Letters</i> , <b>1998</b> , 242, 105-8	3.3	119
106	Uptake and cytotoxicity of citrate-coated gold nanospheres: Comparative studies on human endothelial and epithelial cells. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 23	8.4	113
105	Insights into the putative catechin and epicatechin transport across blood-brain barrier. <i>Food and Function</i> , <b>2011</b> , 2, 39-44	6.1	108
104	MicroRNAs regulate human brain endothelial cell-barrier function in inflammation: implications for multiple sclerosis. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 6857-63	6.6	107
103	Activation of beta-catenin signalling by GSK-3 inhibition increases p-glycoprotein expression in brain endothelial cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 1855-65	6	103
102	Glucose-coated gold nanoparticles transfer across human brain endothelium and enter astrocytes in vitro. <i>PLoS ONE</i> , <b>2013</b> , 8, e81043	3.7	100
101	Up-regulation of P-glycoprotein by HIV protease inhibitors in a human brain microvessel endothelial cell line. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 1023-36	4.4	98
100	Role of caspases in cytokine-induced barrier breakdown in human brain endothelial cells. <i>Journal of Immunology</i> , <b>2012</b> , 189, 3130-9	5.3	97
99	P-glycoprotein and breast cancer resistance protein restrict apical-to-basolateral permeability of human brain endothelium to amyloid-beta. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1079-83	7.3	95
98	Uptake and permeability studies of BBB-targeting immunoliposomes using the hCMEC/D3 cell line. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 77, 265-74	5.7	92
97	Growth factor activity of endothelin-1 in primary astrocytes mediated by adhesion-dependent and -independent pathways. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 6203-12	6.6	91

96	Role of KCNA1 gene in breast cancer invasion and metastasis to brain. <i>BMC Cancer</i> , <b>2009</b> , 9, 258	4.8	90
95	F-actin cytoskeleton and sucrose permeability of immortalised rat brain microvascular endothelial cell monolayers: effects of cyclic AMP and astrocytic factors. <i>Brain Research</i> , <b>1997</b> , 768, 10-8	3.7	88
94	Differences in amyloid- $\beta$ clearance across mouse and human blood-brain barrier models: kinetic analysis and mechanistic modeling. <i>Neuropharmacology</i> , <b>2014</b> , 79, 668-78	5.5	83
93	Immortalized human brain endothelial cell line HCMEC/D3 as a model of the blood-brain barrier facilitates in vitro studies of central nervous system infection by <i>Cryptococcus neoformans</i> . <i>Eukaryotic Cell</i> , <b>2009</b> , 8, 1803-7		83
92	Oxidative and pro-inflammatory impact of regular and denicotinized cigarettes on blood brain barrier endothelial cells: is smoking reduced or nicotine-free products really safe?. <i>BMC Neuroscience</i> , <b>2014</b> , 15, 51	3.2	81
91	Amyloid-beta-induced occludin down-regulation and increased permeability in human brain endothelial cells is mediated by MAPK activation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 1101-12	5.6	80
90	Expression of chemokines and their receptors by human brain endothelium: implications for multiple sclerosis. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2009</b> , 68, 227-40	3.1	77
89	Immortalized human cerebral microvascular endothelial cells maintain the properties of primary cells in an in vitro model of immune migration across the blood brain barrier. <i>Journal of Neuroscience Methods</i> , <b>2013</b> , 212, 173-9	3	76
88	Chemokine production and chemokine receptor expression by human glioma cells: role of CXCL10 in tumour cell proliferation. <i>Journal of Neuroimmunology</i> , <b>2008</b> , 199, 35-45	3.5	74
87	Transendothelial permeability changes induced by free radicals in an in vitro model of the blood-brain barrier. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 27, 667-72	7.8	73
86	Tyrosine phosphorylation of VE-cadherin and claudin-5 is associated with TGF- $\beta$ -induced permeability of centrally derived vascular endothelium. <i>European Journal of Cell Biology</i> , <b>2011</b> , 90, 323-32	6.1	71
85	Human blood-brain barrier disruption by retroviral-infected lymphocytes: role of myosin light chain kinase in endothelial tight-junction disorganization. <i>Journal of Immunology</i> , <b>2007</b> , 179, 2576-83	5.3	71
84	CCL2 disrupts the adherens junction: implications for neuroinflammation. <i>Laboratory Investigation</i> , <b>2012</b> , 92, 1213-33	5.9	70
83	ABC and SLC transporter expression and proton oligopeptide transporter (POT) mediated permeation across the human blood-brain barrier cell line, hCMEC/D3 [corrected]. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 1057-68	5.6	70
82	Annexin 1 binds to U937 monocytic cells and inhibits their adhesion to microvascular endothelium: involvement of the alpha 4 beta 1 integrin. <i>Journal of Immunology</i> , <b>2000</b> , 165, 1573-81	5.3	69
81	Interactions between brain endothelial cells and human T-cell leukemia virus type 1-infected lymphocytes: mechanisms of viral entry into the central nervous system. <i>Journal of Virology</i> , <b>2000</b> , 74, 6021-30	6.6	68
80	Alteration of blood-brain barrier integrity by retroviral infection. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000205	7.6	67
79	Solid lipid nanoparticles as a vehicle for brain-targeted drug delivery: two new strategies of functionalization with apolipoprotein E. <i>Nanotechnology</i> , <b>2015</b> , 26, 495103	3.4	61

78	Lamotrigine is a substrate for OCT1 in brain endothelial cells. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 805-14	60
77	Microparticles in multiple sclerosis and clinically isolated syndrome: effect on endothelial barrier function. <i>BMC Neuroscience</i> , <b>2014</b> , 15, 110	3.2 60
76	Brain endothelial miR-146a negatively modulates T-cell adhesion through repressing multiple targets to inhibit NF- $\kappa$ B activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 412-23	7.3 59
75	The poorly membrane permeable antipsychotic drugs amisulpride and sulpiride are substrates of the organic cation transporters from the SLC22 family. <i>AAPS Journal</i> , <b>2014</b> , 16, 1247-58	3.7 59
74	Human adipose cells express CD4, CXCR4, and CCR5 [corrected] receptors: a new target cell type for the immunodeficiency virus-1?. <i>FASEB Journal</i> , <b>2002</b> , 16, 1254-6	0.9 58
73	Inflammatory response of endothelial cells to a human endogenous retrovirus associated with multiple sclerosis is mediated by TLR4. <i>International Immunology</i> , <b>2015</b> , 27, 545-53	4.9 57
72	Differential activation of mitochondrial apoptotic pathways by vasculotropic amyloid-beta variants in cells composing the cerebral vessel walls. <i>FASEB Journal</i> , <b>2010</b> , 24, 229-41	0.9 57
71	Modulation of blood-brain barrier permeability by neutrophils: in vitro and in vivo studies. <i>Brain Research</i> , <b>2009</b> , 1298, 13-23	3.7 56
70	Age-associated changes in the blood-brain barrier: comparative studies in human and mouse. <i>Neuropathology and Applied Neurobiology</i> , <b>2018</b> , 44, 328-340	5.2 55
69	The association of statins plus LDL receptor-targeted liposome-encapsulated doxorubicin increases in vitro drug delivery across blood-brain barrier cells. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 1431-47	8.6 54
68	Insulin and IGF1 signalling pathways in human astrocytes in vitro and in vivo; characterisation, subcellular localisation and modulation of the receptors. <i>Molecular Brain</i> , <b>2015</b> , 8, 51	4.5 53
67	Polarized P-glycoprotein expression by the immortalised human brain endothelial cell line, hCMEC/D3, restricts apical-to-basolateral permeability to rhodamine 123. <i>Brain Research</i> , <b>2009</b> , 1292, 14-24	3.7 51
66	Identification of peptide ligands for targeting to the blood-brain barrier. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 673-82	4.5 50
65	Transthyretin participates in beta-amyloid transport from the brain to the liver--involvement of the low-density lipoprotein receptor-related protein 1?. <i>Scientific Reports</i> , <b>2016</b> , 6, 20164	4.9 47
64	Signaling mechanism of extracellular RNA in endothelial cells. <i>FASEB Journal</i> , <b>2009</b> , 23, 2100-9	0.9 46
63	Targeting endothelial CD146 attenuates neuroinflammation by limiting lymphocyte extravasation to the CNS. <i>Scientific Reports</i> , <b>2013</b> , 3, 1687	4.9 43
62	Peripheral blood CD4+ T lymphocytes from multiple sclerosis patients are characterized by higher PSGL-1 expression and transmigration capacity across a human blood-brain barrier-derived endothelial cell line. <i>Journal of Leukocyte Biology</i> , <b>2009</b> , 86, 1049-63	6.5 43
61	Regulation of brain endothelial barrier function by microRNAs in health and neuroinflammation. <i>FASEB Journal</i> , <b>2016</b> , 30, 2662-72	0.9 41

60	CXCL1/CXCL8 (GRO $\alpha$ /IL-8) in human diabetic ketoacidosis plasma facilitates leukocyte recruitment to cerebrovascular endothelium in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1077-84	6	36
59	Expression and localization of claudins-3 and -12 in transformed human brain endothelium. <i>Fluids and Barriers of the CNS</i> , <b>2012</b> , 9, 6	7	36
58	Cross-linking of brain endothelial intercellular adhesion molecule (ICAM)-1 induces association of ICAM-1 with detergent-insoluble cytoskeletal fraction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 810-6	9.4	36
57	Simvastatin protects against amyloid beta and HIV-1 Tat-induced promoter activities of inflammatory genes in brain endothelial cells. <i>Molecular Pharmacology</i> , <b>2008</b> , 73, 1424-33	4.3	35
56	Transport of Gold Nanoparticles by Vascular Endothelium from Different Human Tissues. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161610	3.7	35
55	MiR-126 and miR-126* regulate shear-resistant firm leukocyte adhesion to human brain endothelium. <i>Scientific Reports</i> , <b>2017</b> , 7, 45284	4.9	34
54	Early alterations of Hedgehog signaling pathway in vascular endothelial cells after peripheral nerve injury elicit blood-nerve barrier disruption, nerve inflammation, and neuropathic pain development. <i>Pain</i> , <b>2016</b> , 157, 827-839	8	34
53	Cytokine-induced changes in the gene expression profile of a human cerebral microvascular endothelial cell-line, hCMEC/D3. <i>Fluids and Barriers of the CNS</i> , <b>2013</b> , 10, 27	7	33
52	Evaluation of soluble junctional adhesion molecule-A as a biomarker of human brain endothelial barrier breakdown. <i>PLoS ONE</i> , <b>2010</b> , 5, e13568	3.7	33
51	Paracrine signalling of inflammatory cytokines from an in vitro blood brain barrier model upon exposure to polymeric nanoparticles. <i>Analyst, The</i> , <b>2014</b> , 139, 923-30	5	32
50	High-density lipoproteins limit neutrophil-induced damage to the blood-brain barrier in vitro. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2013</b> , 33, 575-82	7.3	32
49	Human brain endothelial cells are responsive to adenosine receptor activation. <i>Purinergic Signalling</i> , <b>2011</b> , 7, 265-73	3.8	32
48	Regulation of cerebral endothelial cell morphology by extracellular calcium. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 6261-74	3.8	31
47	PPAR $\alpha$ agonist-loaded PLGA-PEG nanocarriers as a potential treatment for Alzheimer's disease: in vitro and in vivo studies. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 5577-5590	7.3	31
46	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 9574	4.9	30
45	Drug-induced trafficking of p-glycoprotein in human brain capillary endothelial cells as demonstrated by exposure to mitomycin C. <i>PLoS ONE</i> , <b>2014</b> , 9, e88154	3.7	29
44	Glio-vascular and cytokine interactions modulate brain endothelial barrier in vitro. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 162	10.1	29
43	Early metabolic changes during m-Dinitrobenzene neurotoxicity and the possible role of oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>1995</b> , 18, 311-9	7.8	29



42	Nanoparticle formulation improves the anticonvulsant effect of clonazepam on the pentylenetetrazole-induced seizures: behavior and electroencephalogram. <i>Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 103, 2509-19	3.9	28
41	MicroRNA-155 contributes to shear-resistant leukocyte adhesion to human brain endothelium in vitro. <i>Fluids and Barriers of the CNS</i> , <b>2016</b> , 13, 8	7	28
40	Synthesis and in vitro evaluation of BBB permeability, tumor cell uptake, and cytotoxicity of a series of carboranylporphyrin conjugates. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 6718-28	8.3	26
39	Somatostatin preserved blood brain barrier against cytokine induced alterations: possible role in multiple sclerosis. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 497-507	6	26
38	A multi-system approach assessing the interaction of anticonvulsants with P-gp. <i>PLoS ONE</i> , <b>2013</b> , 8, e64854	9.7	24
37	Cerebral cavernous malformations form an anticoagulant vascular domain in humans and mice. <i>Blood</i> , <b>2019</b> , 133, 193-204	2.2	24
36	Hyperosmotic stress induces Axl activation and cleavage in cerebral endothelial cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 107, 116-26	6	23
35	Temporal profile of matrix metalloproteinases and their inhibitors in a human endothelial cell culture model of cerebral ischemia. <i>Cerebrovascular Diseases</i> , <b>2013</b> , 35, 514-20	3.2	22
34	Ezrin and moesin co-localise with ICAM-1 in brain endothelial cells but are not directly associated. <i>Molecular Brain Research</i> , <b>2002</b> , 105, 47-59		22
33	Cannabidiol Enhances the Passage of Lipid Nanocapsules across the Blood-Brain Barrier Both in Vitro and in Vivo. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1999-2010	5.6	21
32	Localization and mobility of glucose-coated gold nanoparticles within the brain. <i>Nanomedicine</i> , <b>2016</b> , 11, 617-25	5.6	21
31	Purine receptors and Ca(2+) signalling in the human blood-brain barrier endothelial cell line hCMEC/D3. <i>Purinergic Signalling</i> , <b>2012</b> , 8, 71-80	3.8	21
30	Methylphenidate-triggered ROS generation promotes caveolae-mediated transcytosis via Rac1 signaling and c-Src-dependent caveolin-1 phosphorylation in human brain endothelial cells. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 4701-4716	10.3	21
29	An in vitro study of m-dinitrobenzene toxicity on the cellular components of the blood-brain barrier, astrocytes and endothelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>1996</b> , 139, 94-101	4.6	19
28	The transport of nifurtimox, an anti-trypanosomal drug, in an in vitro model of the human blood-brain barrier: evidence for involvement of breast cancer resistance protein. <i>Brain Research</i> , <b>2012</b> , 1436, 111-21	3.7	18
27	Chemokine transport across human vascular endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>2007</b> , 14, 7-15		18
26	Permeability of PEGylated immunoarsonoliposomes through in vitro blood brain barrier-medulloblastoma co-culture models for brain tumor therapy. <i>Pharmaceutical Research</i> , <b>2015</b> , 32, 1072-83	4.5	17
25	Serotype O18 avian pathogenic and neonatal meningitis Escherichia coli strains employ similar pathogenic strategies for the onset of meningitis. <i>Virulence</i> , <b>2015</b> , 6, 777-86	4.7	17

24	A three-dimensional model of the human blood-brain barrier to analyse the transport of nanoparticles and astrocyte/endothelial interactions. <i>F1000Research</i> , <b>2015</b> , 4, 1279	3.6	17
23	Expression of ADAM-17, TIMP-3 and fractalkine in the human adult brain endothelial cell line, hCMEC/D3, following pro-inflammatory cytokine treatment. <i>Journal of Neuroimmunology</i> , <b>2009</b> , 210, 108-12	3.5	16
22	Effects of energy deprivation induced by fluorocitrate in immortalised rat brain microvessel endothelial cells. <i>Brain Research</i> , <b>1996</b> , 730, 87-94	3.7	16
21	The angiogenic gene profile of circulating endothelial progenitor cells from ischemic stroke patients. <i>Vascular Cell</i> , <b>2013</b> , 5, 3	1	15
20	A recombinant inhibitory isoform of vascular endothelial growth factor164/165 aggravates ischemic brain damage in a mouse model of focal cerebral ischemia. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 1010-24	5.8	14
19	Transcriptional control of occludin expression in vascular endothelia: regulation by Sp3 and YY1. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2009</b> , 1789, 175-84	6	14
18	Adenosine receptors regulate gap junction coupling of the human cerebral microvascular endothelial cells hCMEC/D3 by Ca influx through cyclic nucleotide-gated channels. <i>Journal of Physiology</i> , <b>2017</b> , 595, 2497-2517	3.9	13
17	Age-Associated mRNA and miRNA Expression Changes in the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	13
16	Transcriptional control of the multi-drug transporter ABCB1 by transcription factor Sp3 in different human tissues. <i>PLoS ONE</i> , <b>2012</b> , 7, e48189	3.7	13
15	Action of transcription factors in the control of transferrin receptor expression in human brain endothelium. <i>Journal of Molecular Biology</i> , <b>2007</b> , 365, 1271-84	6.5	13
14	The HIV-1 nef protein inhibits extracellular signal-regulated kinase-dependent DNA synthesis in a human astrocytic cell line. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 778-85	6	13
13	Assessment of electrophile damage in a human brain endothelial cell line utilizing a clickable alkyne analog of 2-chlorohexadecanal. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 90, 59-74	7.8	12
12	A three-dimensional model of the human blood-brain barrier to analyse the transport of nanoparticles and astrocyte/endothelial interactions. <i>F1000Research</i> , <b>2015</b> , 4, 1279	3.6	12
11	3D Reconstruction of the Neurovascular Unit Reveals Differential Loss of Cholinergic Innervation in the Cortex and Hippocampus of the Adult Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 172	5.3	11
10	Transcellular targeting of fiber- and hexon-modified adenovirus vectors across the brain microvascular endothelial cells in vitro. <i>PLoS ONE</i> , <b>2012</b> , 7, e45977	3.7	11
9	Prolonged Morphine Exposure Induces Increased Firm Adhesion in an in Vitro Model of the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	11
8	Differential permissivity of human cerebrovascular endothelial cells to enterovirus infection and specificities of serotype EV-A71 in crossing an in vitro model of the human blood-brain barrier. <i>Journal of General Virology</i> , <b>2015</b> , 96, 1682-95	4.9	9
7	Could an endoneurial endothelial crosstalk between Wnt/βcatenin and Sonic Hedgehog pathways underlie the early disruption of the infra-orbital blood-nerve barrier following chronic constriction injury?. <i>Molecular Pain</i> , <b>2017</b> , 13, 1744806917727625	3.4	7



6	A novel vascular targeting strategy for brain-derived endothelial cells using a TCR mimic antibody. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 225, 664-72	7	5
5	The role of perivascular innervation and neurally mediated vasoreactivity in the pathophysiology of Alzheimer's disease. <i>Clinical Science</i> , <b>2017</b> , 131, 1207-1214	6.5	4
4	Endothelial-Derived Extracellular Vesicles Induce Cerebrovascular Dysfunction in Inflammation. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
3	Correction to ABC and SLC Transporter Expression and Proton Oligopeptide Transporter (POT) Mediated Permeation across the Human BloodBrain Barrier Cell Line, hCMEC/D3 <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 3606-3606	5.6	2
2	Comparison of polypeptides that bind the transferrin receptor for targeting gold nanocarriers. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252341	3.7	0
1	An In Vitro Blood-Brain Barrier Model to Study Firm Shear Stress-Resistant Leukocyte Adhesion to Human Brain Endothelial Cells. <i>Methods in Molecular Biology</i> , <b>2022</b> , 315-331	1.4	