

# Winfried Neuhaus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5531472/publications.pdf>

Version: 2024-02-01

50  
papers

1,898  
citations

257450

24  
h-index

276875

41  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2702  
citing authors

#	ARTICLE	IF	CITATIONS
1	The blood-brain barrier is dysregulated in COVID-19 and serves as a CNS entry route for SARS-CoV-2. <i>Stem Cell Reports</i> , 2022, 17, 307-320.	4.8	138
2	TAT-MeCP2 protein variants rescue disease phenotypes in human and mouse models of Rett syndrome. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 972-983.	7.5	3
3	Directed Transport of CRP Across In Vitro Models of the Blood-Saliva Barrier Strengthens the Feasibility of Salivary CRP as Biomarker for Neonatal Sepsis. <i>Pharmaceutics</i> , 2021, 13, 256.	4.5	12
4	A Microfluidic Multisize Spheroid Array for Multiparametric Screening of Anticancer Drugs and Blood-Brain Barrier Transport Properties. <i>Advanced Science</i> , 2021, 8, e2004856.	11.2	46
5	Transendothelial Electrical Resistance Measurement across the Blood-Brain Barrier: A Critical Review of Methods. <i>Micromachines</i> , 2021, 12, 685.	2.9	58
6	Hydroxyethylstarch revisited for acute brain injury treatment. <i>Neural Regeneration Research</i> , 2021, 16, 1372.	3.0	3
7	Comparison of hydroxyethylstarch (HES 130/0.4) and 5% human albumin for volume substitution in pediatric neurosurgery: A retrospective, single center study. <i>BMC Research Notes</i> , 2021, 14, 434.	1.4	2
8	Hydroxyethylstarch (130/0.4) tightens the blood-brain barrier in vitro. <i>Brain Research</i> , 2020, 1727, 146560.	2.2	14
9	Transport Studies Using Blood-Brain Barrier In Vitro Models: A Critical Review and Guidelines. <i>Handbook of Experimental Pharmacology</i> , 2020, , 187-204.	1.8	11
10	Assessment of Human Health Risks Posed by Nano-and Microplastics Is Currently Not Feasible. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8832.	2.6	45
11	Human iPSC-Derived Blood-Brain Barrier Models: Valuable Tools for Preclinical Drug Discovery and Development?. <i>Current Protocols in Stem Cell Biology</i> , 2020, 55, e122.	3.0	26
12	An In Vitro Barrier Model of the Human Submandibular Salivary Gland Epithelium Based on a Single Cell Clone of Cell Line HTB-41: Establishment and Application for Biomarker Transport Studies. <i>Biomedicines</i> , 2020, 8, 302.	3.2	4
13	In Vitro Models of the Blood-Brain Barrier. <i>Handbook of Experimental Pharmacology</i> , 2020, 265, 75-110.	1.8	71
14	Optimization of an oral mucosa <i>in vitro</i> model based on cell line TR146. <i>Tissue Barriers</i> , 2020, 8, 1748459.	3.2	21
15	The pivotal role of micro-environmental cells in a human blood-brain barrier in vitro model of cerebral ischemia: functional and transcriptomic analysis. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 19.	5.0	25
16	Autologous induced pluripotent stem cell-derived four-organ-chip. <i>Future Science OA</i> , 2019, 5, FSO413.	1.9	75
17	An electrochemiluminescence based assay for quantitative detection of endogenous and exogenously applied MeCP2 protein variants. <i>Scientific Reports</i> , 2019, 9, 7929.	3.3	5
18	Plasminogen activator inhibitor-1 augments damage by impairing fibrinolysis after traumatic brain injury. <i>Annals of Neurology</i> , 2019, 85, 667-680.	5.3	30

#	ARTICLE	IF	CITATIONS
19	Oxygen Management at the Microscale: A Functional Biochip Material with Long-Lasting and Tunable Oxygen Scavenging Properties for Cell Culture Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9730-9739.	8.0	42
20	A daily single dose of a novel modafinil analogue CE-123 improves memory acquisition and memory retrieval. <i>Behavioural Brain Research</i> , 2018, 343, 83-94.	2.2	25
21	Reversible opening of the blood-brain barrier by claudin-5-binding variants of <i>Clostridium perfringens</i> enterotoxin's claudin-binding domain. <i>Biomaterials</i> , 2018, 161, 129-143.	11.4	49
22	Cell culture models of oral mucosal barriers: A review with a focus on applications, culture conditions and barrier properties. <i>Tissue Barriers</i> , 2018, 6, 1479568.	3.2	46
23	Establishment of a Human Blood-Brain Barrier Co-culture Model Mimicking the Neurovascular Unit Using Induced Pluri- and Multipotent Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 894-906.	4.8	225
24	Multifaceted Mechanisms of WY-14643 to Stabilize the Blood-Brain Barrier in a Model of Traumatic Brain Injury. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 149.	2.9	10
25	Human induced pluripotent stem cell based in vitro models of the blood-brain barrier: the future standard?. <i>Neural Regeneration Research</i> , 2017, 12, 1607.	3.0	6
26	A novel heterocyclic compound targeting the dopamine transporter improves performance in the radial arm maze and modulates dopamine receptors D1-D3. <i>Behavioural Brain Research</i> , 2016, 312, 127-137.	2.2	11
27	Multiple Antenatal Dexamethasone Treatment Alters Brain Vessel Differentiation in Newborn Mouse Pups. <i>PLoS ONE</i> , 2015, 10, e0136221.	2.5	14
28	Balanced Hydroxyethylstarch (HES 130/0.4) Impairs Kidney Function In-Vivo without Inflammation. <i>PLoS ONE</i> , 2015, 10, e0137247.	2.5	14
29	Phosphodiesterase-4 inhibition with rolipram attenuates hepatocellular injury in hyperinflammation in vivo and in vitro without influencing inflammation and HO-1 expression. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2015, 6, 13-23.	0.4	7
30	Transport Rankings of Non-Steroidal Antiinflammatory Drugs across Blood-Brain Barrier In Vitro Models. <i>PLoS ONE</i> , 2014, 9, e86806.	2.5	73
31	The pivotal role of astrocytes in an in vitro stroke model of the blood-brain barrier. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 352.	3.7	57
32	The Blood-Brain Barrier as a Target in Traumatic Brain Injury Treatment. <i>Archives of Medical Research</i> , 2014, 45, 698-710.	3.3	107
33	Molecular Size and Origin Do Not Influence the Harmful Side Effects of Hydroxyethyl Starch on Human Proximal Tubule Cells (HK-2) In Vitro. <i>Anesthesia and Analgesia</i> , 2014, 119, 570-577.	2.2	15
34	Analysing molecular polar surface descriptors to predict blood-brain barrier permeation. <i>International Journal of Computational Biology and Drug Design</i> , 2013, 6, 146.	0.3	65
35	Inhibition of Proteasomal Glucocorticoid Receptor Degradation Restores Dexamethasone-Mediated Stabilization of the Blood-Brain Barrier After Traumatic Brain Injury*. <i>Critical Care Medicine</i> , 2013, 41, 1305-1315.	0.9	49
36	Stretch in Brain Microvascular Endothelial Cells (cEND) as an <i>In Vitro</i> Traumatic Brain Injury Model of the Blood Brain Barrier. <i>Journal of Visualized Experiments</i> , 2013, , e50928.	0.3	13

#	ARTICLE	IF	CITATIONS
37	The Effects of Colloid Solutions on Renal Proximal Tubular Cells In Vitro. <i>Anesthesia and Analgesia</i> , 2012, 114, 371-374.	2.2	38
38	Addition of NMDA-receptor antagonist MK801 during oxygen/glucose deprivation moderately attenuates the upregulation of glucose uptake after subsequent reoxygenation in brain endothelial cells. <i>Neuroscience Letters</i> , 2012, 506, 44-49.	2.1	37
39	Lung endothelial cells strengthen, but brain endothelial cells weaken barrier properties of a human alveolar epithelium cell culture model. <i>Differentiation</i> , 2012, 84, 294-304.	1.9	25
40	Effects of NMDA receptor modulators on a blood-brain barrier in vitro model. <i>Brain Research</i> , 2011, 1394, 49-61.	2.2	48
41	Serum-Derived Immunoglobulins Neutralize Adverse Effects of Amyloid- $\beta^2$ Peptide on the Integrity of a Blood-Brain Barrier In Vitro Model. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 303-314.	2.6	9
42	Blood-brain barrier cell line PBMEC/C1-2 possesses functionally active P-glycoprotein. <i>Neuroscience Letters</i> , 2010, 469, 224-228.	2.1	19
43	Validation of in vitro cell culture models of the blood-brain barrier: Tightness characterization of two promising cell lines. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 5158-5175.	3.3	34
44	Expression of Claudin-1, Claudin-3 and Claudin-5 in human blood-brain barrier mimicking cell line ECV304 is inducible by glioma-conditioned media. <i>Neuroscience Letters</i> , 2008, 446, 59-64.	2.1	22
45	Transport of a GABA <sub>A</sub> Receptor Modulator and Its Derivatives from <i>Valeriana officinalis</i> s.l. Across an In Vitro Cell Culture Model of the Blood-Brain Barrier. <i>Planta Medica</i> , 2008, 74, 1338-1344.	1.3	35
46	A novel flow based hollow-fiber blood-brain barrier in vitro model with immortalised cell line PBMEC/C1-2. <i>Journal of Biotechnology</i> , 2006, 125, 127-141.	3.8	77
47	APTS-labeled dextran ladder: A novel tool to characterize cell layer tightness. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 1035-1039.	2.8	11
48	Optimization of an Innovative Hollow-Fiber Process to Produce Lactose-Reduced Skim Milk. <i>Applied Biochemistry and Biotechnology</i> , 2006, 134, 1-14.	2.9	13
49	A Novel Tool to Characterize Paracellular Transport: The APTS-Dextran Ladder. <i>Pharmaceutical Research</i> , 2006, 23, 1491-1501.	3.5	34
50	A new innovative process to produce lactose-reduced skim milk. <i>Journal of Biotechnology</i> , 2005, 119, 212-218.	3.8	55