

Lista publicațiilor

Imola Wilhelm

12. 01. 2016.

IF total = 85.115

Citations:

Google Scholar (total citations): 592; h-index: 14
ISI Web of Science (total citations): 387; h-index: 12
Scopus (total citations): 408; h-index: 12
Scopus (independent citations): 319

1. Molnár J, Fazakas C, Haskó J, Sipos O, Nagy K, Nyúl-Tóth Á, Farkas AE, Végh AG, Váró G, Galajda P, Krizbai IA, **Wilhelm I**. Transmigration characteristics of breast cancer and melanoma cells through the brain endothelium: role of Rac and PI3K. *Cell Adh Migr*. [Epub ahead of print] (IF2014: 4.505).
2. Nagyősi P, Nyúl-Tóth Á, Fazakas C, **Wilhelm I**, Kozma M, Molnár J, Haskó J, Krizbai IA. Regulation of NOD-like receptors and inflammasome activation in cerebral endothelial cells. *J Neurochem*. (2015) 135:551-64 (IF2014: 4.281).
3. Krizbai IA, Gasparics Á, Nagyősi P, Fazakas C, Molnár J, **Wilhelm I**, Bencs R, Rosivall L, Sebe A. Endothelial-Mesenchymal Transition of Brain Endothelial Cells: Possible Role during Metastatic Extravasation. *PLoS One*. (2015) 10:e0119655 (IF2014: 3.234).
4. Hajdu Z, Haskó J, Krizbai IA, **Wilhelm I**, Jedlinszki N, Fazakas C, Molnár J, Forgo P, Hohmann J, Csupor D. Evaluation of lignans from *Heliopsis helianthoides* var. *scabra* for their potential antimetastatic effects in the brain. *J Nat Prod*. 77:2641-50 (2014) (IF: 3.798).
5. **Wilhelm I**, Krizbai IA. Functional characteristics of brain tumor vascularization. In: *Brain Mapping: An Encyclopedic Reference*. (Editor: A.W. Toga), Elsevier, Chapter 134, pp. 1075-9 (2015) (book chapter).
6. Haskó J, Fazakas C, Molnár J, Nyúl-Tóth Á, Herman H, Hermenean A, **Wilhelm I**, Persidsky Y, Krizbai IA. CB2 receptor activation inhibits melanoma cell transmigration through the blood-brain barrier. *Int J Mol Sci*. 15:8063-74 (2014) (IF: 2.862).
7. Kosson A, Krizbai I, Lesniak A, Beresewicz M, Sacharczuk M, Kosson P, Nagyoszi P, **Wilhelm I**, Kleczkowska P, Lipkowski AW. Role of the blood-brain barrier in differential response to opioid peptides and morphine in mouse lines divergently bred for high and low swim stress-induced analgesia. *Acta Neurobiol Exp (Wars)*. 74:26-32 (2014) (IF: 1.286).
8. **Wilhelm I**, Krizbai IA. In vitro models of the blood-brain barrier for the study of drug delivery to the brain. *Mol Pharm*. 11:1949-63 (2014) (review) (IF: 4.384).

9. **Wilhelm I***, Fazakas C*, Tamás A, Tóth G, Reglődi D, Krizbai IA. PACAP Enhances Barrier Properties of Cerebral Microvessels. *J Mol Neurosci.* 54:469-76 (2014) (IF: 2.343).
10. **Wilhelm I***, Fazakas C*, Molnár J, Haskó J, Végh AG, Cervenak L, Nagyőszí P, Nyúl-Tóth Á, Farkas AE, Bauer H, Guillemin GJ, Bauer HC, Váró G, Krizbai IA. Role of Rho/ROCK signaling in the interaction of melanoma cells with the blood-brain barrier. *Pigm Cell Mel Res.* 27:113-23 (2014) (IF: 4.619).
11. Traweger A, Toepfer S, Wagner RN, Zweimueller-Mayer J, Gehwolf R, Lehner C, Tempfer H, Krizbai I, **Wilhelm I**, Bauer HC, Bauer H. Beyond cell-cell adhesion. Emerging roles of the tight junction scaffold ZO-2. *Tissue Barriers.* 1:e25039 (2013) (review).
12. Bálint Z, Zabini D, Konya V, Nagaraj C, Végh AG, Váró G, **Wilhelm I**, Fazakas C, Krizbai IA, Heinemann A, Olschewski H, Olschewski A. Double-stranded RNA attenuates the barrier function of human pulmonary artery endothelial cells. *PLoS One.* 8: e63776 (2013) (IF: 3.534).
13. **Wilhelm I**, Molnár J, Fazakas C, Haskó J, Krizbai IA. Role of the blood-brain barrier in the formation of brain metastases. *Int J Mol Sci.* 14:1383-411 (2013) (review) (IF: 2.339).
14. Sziráki I, Erdo F, Trampus P, Sike M, Molnár PM, Rajnai Z, Molnár J, **Wilhelm I**, Fazakas C, Kis E, Krizbai I, Krajcsi P. The use of microdialysis techniques in mice to study P-gp function at the blood-brain barrier. *J Biomol Screen.* 18:430-40 (2013) (IF: 2.012).
15. Krizbai I, **Wilhelm I**, Bauer HC, Bauer H. The role of glia in the formation and function of the blood-brain barrier. In: Neuroglia 3rd ed. (Editors: H. Kettenman, B.R. Ransom), Oxford University Press, Chapter 33, pp. 417-29 (2013) (book chapter).
16. Mallareddy JR, Tóth G, Fazakas C, Molnár J, Nagyőszí P, Lipkowski AW, Krizbai IA, **Wilhelm I**. Transport characteristics of endomorphin-2 analogues in brain capillary endothelial cells. *Chem Biol Drug Des.* 79:507-13 (2012) (IF: 2.469).
17. Végh AG, Fazakas C, Nagy K, Wilhelm I, Molnár J, Krizbai IA, Szegletes Z, Váró G. Adhesion and stress relaxation forces between melanoma and cerebral endothelial cells. *Eur Biophys J.* 41:139-45 (2012) (IF: 2.274).
18. Sziráki I, Erdo F, Beéry E, Molnár PM, Fazakas C, **Wilhelm I**, Makai I, Kis E, Herédi-Szabó K, Abonyi T, Krizbai I, Tóth GK, Krajcsi P. Quinidine as an ABCB1 Probe for Testing Drug Interactions at the Blood-Brain Barrier: An In Vitro In Vivo Correlation Study. *J Biomol Screen.* 16:886-94 (2011) (IF: 2.049).
19. Fazakas C*, **Wilhelm I***, Nagyoszi P, Farkas AE, Haskó J, Molnár J, Bauer H, Bauer HC, Ayaydin F, Dung NT, Siklós L, Krizbai IA. Transmigration of melanoma cells through the blood-brain barrier: role of endothelial tight junctions and melanoma-released serine proteases. *PLoS One.* 6:e20758 (2011) (*shared first authorship) (IF: 4.092).
20. Glavinás H, von Richter O, Vojnits K, Mehn D, **Wilhelm I**, Nagy T, Janossy J, Krizbai I, Couraud P, Krajcsi P. Calcein assay: a high-throughput method to assess P-gp inhibition. *Xenobiotica.* 41:712-9 (2011) (IF: 1.791).
21. **Wilhelm I**, Fazakas C, Krizbai IA. In vitro models of the blood-brain barrier. *Acta Neurobiol Exp (Wars).* 71:113-28 (2011) (review) (IF: 2.110).

22. Végh AG, Fazakas C, Nagy K, **Wilhelm I**, Krizbai IA, Nagyószzi P, Szegletes Z, Váró G. Spatial and temporal dependence of the cerebral endothelial cell elasticity. *J Mol Recognit.* 24:422-428 (2011) (IF: 3.310).
23. Bauer HC, Traweger A, Zweimüller-Mayer J, Lehner C, Tempfer H, Krizbai I, **Wilhelm I**, Bauer H. New aspects of the molecular constituents of tissue barriers. *J Neural Transm.* 118:7-21 (2011) (review) (IF: 2.730).
24. Nagyószzi P, **Wilhelm I**, Farkas AE, Fazakas C, Dung NT, Haskó J, Krizbai IA. Expression and regulation of toll-like receptors in cerebral endothelial cells. *Neurochem Int.* 57:556-564 (2010) (IF: 3.601).
25. **Wilhelm I**, Nagyószzi P, Farkas EA, Couraud PO, Romero IA, Weksler B, Fazakas C, Dung NKT, Bauer H, Bauer HC, Krizbai IA. Hyperosmotic stress induces Axl activation and cleavage in cerebral endothelial cells. *J Neurochem.* 107:116-26 (2008) (IF: 4.500).
26. Vajda S, Bartha K, **Wilhelm I**, Krizbai IA, Adam-Vizi V. Identification of protease-activated receptor-4 (PAR-4) in puromycin-purified brain capillary endothelial cells cultured on Matrigel. *Neurochem Int.* 52:1234-9 (2008) (IF: 3.228).
27. **Wilhelm I**, Farkas AE, Nagyószzi P, Váró G, Bálint Z, Végh GA, Couraud PO, Romero IA, Weksler B, Krizbai IA. Regulation of cerebral endothelial cell morphology by extracellular calcium. *Phys Med Biol.* 52:6261-74 (2007) (IF: 2.528).
28. Hutamekalin P, Orbók A, **Wilhelm I**, Farkas AE, Nagyószzi P, Veszélka S, Deli MA, Buzás K, Hunyadi-Gulyás E, Medzihradszky KF, Meksuriyen D, Krizbai IA. Effect of nicotine and polyaromatic hydrocarbons on cerebral endothelial cells. *Cell Biol Int.* 32:198-209 (2008) (IF: 1.619).
29. Bálint Z, Krizbai IA, Wilhelm I, Farkas AE, Párducz A, Szegletes Z, Váró G. Changes induced by hyperosmotic mannitol in cerebral endothelial cells: an atomic force microscopic study. *Eur Biophys J.* 36:113-20 (2007) (IF: 2.238).
30. Krizbai IA, Lenzser G, Szatmari E, Farkas AE, **Wilhelm I**, Fekete Z, Erdos B, Bauer H, Bauer HC, Sandor P, Komjati K. Blood-brain barrier changes during compensated and decompensated hemorrhagic shock. *Shock.* 24:428-33 (2005) (IF: 3.122).
31. Szabo H, Novak Z, Bauer H, Szatmari E, Farkas A, Wejksza K, Orbok A, **Wilhelm I**, Krizbai IA. Regulation of proteolytic activity induced by inflammatory stimuli in lung epithelial cells. *Cell Mol Biol (Noisy-le-grand).* 51 Suppl:OL729-35 (2005) (IF: 1.018).
32. Farkas A, Szatmari E, Orbok A, **Wilhelm I**, Wejksza K, Nagyoszi P, Hutamekalin P, Bauer H, Bauer HC, Traweger A, Krizbai IA. Hyperosmotic mannitol induces Src kinase-dependent phosphorylation of beta-catenin in cerebral endothelial cells. *J Neurosci Res.* 80:855-61 (2005) (IF: 3.239).