

Brian T Hawkins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/822700/publications.pdf>

Version: 2024-02-01

45
papers

4,463
citations

257450

24
h-index

302126

39
g-index

50
all docs

50
docs citations

50
times ranked

6017
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracerebral hemorrhage and thrombin-induced alterations in cerebral microvessel matrix. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1732-1747.	4.3	3
2	A hands-free stool sampling system for monitoring intestinal health and disease. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
3	Field testing of a household-scale onsite blackwater treatment system in South Africa. <i>Science of the Total Environment</i> , 2020, 703, 135469.	8.0	19
4	Laboratory Demonstration and Preliminary Techno-Economic Analysis of an Onsite Wastewater Treatment System. <i>Environmental Science & Technology</i> , 2020, 54, 16147-16155.	10.0	10
5	Resolving the relative contributions of cistern and pour flushing to toilet water usage: Measurements from urban test sites in India. <i>Science of the Total Environment</i> , 2020, 730, 138957.	8.0	11
6	Field testing of a household-scale onsite blackwater treatment system in Coimbatore, India. <i>Science of the Total Environment</i> , 2020, 713, 136706.	8.0	18
7	Remediation of suspended solids and turbidity by improved settling tank design in a small-scale, free-standing toilet system using recycled blackwater. <i>Water and Environment Journal</i> , 2019, 33, 61-66.	2.2	14
8	Non-biological methods for phosphorus and nitrogen removal from wastewater: A gap analysis of reinvented-toilet technologies with respect to ISO 30500. <i>Gates Open Research</i> , 2019, 3, 559.	1.1	7
9	Non-biological methods for phosphorus and nitrogen removal from wastewater: A gap analysis of reinvented-toilet technologies with respect to ISO 30500. <i>Gates Open Research</i> , 2019, 3, 559.	1.1	4
10	Three-dimensional (3D) tetra-culture brain on chip platform for organophosphate toxicity screening. <i>Scientific Reports</i> , 2018, 8, 2841.	3.3	98
11	β 1-integrin matrix interactions modulate cerebral microvessel endothelial cell tight junction expression and permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 641-658.	4.3	49
12	A granular activated carbon/electrochemical hybrid system for onsite treatment and reuse of blackwater. <i>Water Research</i> , 2018, 144, 553-560.	11.3	38
13	Improving energy efficiency of electrochemical blackwater disinfection through sequential reduction of suspended solids and chemical oxygen demand. <i>Gates Open Research</i> , 2018, 2, 50.	1.1	7
14	Blackwater Disinfection Using Potentiodynamic Methods and Surface-Modified Electrochemical Packed Bed Electrode Materials. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
15	Electrochemical disinfection of repeatedly recycled blackwater in a free-standing, additive-free toilet. <i>Water and Environment Journal</i> , 2017, 31, 545-551.	2.2	14
16	Modeling Neuroinflammatory Effects After Chemical Exposures in a Scalable, Three-Dimensional Cell Culture System. <i>Applied in Vitro Toxicology</i> , 2016, 2, 223-234.	1.1	5
17	Development and Field Testing of a Decentralized, Self-Contained Toilet that Converts Human Waste Into Burnable Fuel and Disinfected, Reusable Liquid. <i>Proceedings of the Water Environment Federation</i> , 2016, 2016, 4466-4476.	0.0	1
18	An optically transparent membrane supports shear stress studies in a three-dimensional microfluidic neurovascular unit model. <i>Biomicrofluidics</i> , 2015, 9, 061102.	2.4	80

#	ARTICLE	IF	CITATIONS
19	Three-dimensional culture conditions differentially affect astrocyte modulation of brain endothelial barrier function in response to transforming growth factor β 1. <i>Brain Research</i> , 2015, 1608, 167-176.	2.2	30
20	The neurovascular unit and possible influences on cerebral small vessel disease. , 2014, , 99-116.		1
21	Disruption of dystroglycanâ€“laminin interactions modulates water uptake by astrocytes. <i>Brain Research</i> , 2013, 1503, 89-96.	2.2	24
22	Hemostasis and Alterations of the Central Nervous System. <i>Seminars in Thrombosis and Hemostasis</i> , 2013, 39, 856-875.	2.7	25
23	Targeting blood-brain barrier sphingolipid signaling reduces basal P-glycoprotein activity and improves drug delivery to the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15930-15935.	7.1	125
24	Sphingolipids signal rapid loss of P-glycoprotein transport activity at the bloodâ€“brain barrier. <i>FASEB Journal</i> , 2012, 26, 862.2.	0.5	0
25	Activating PKC- β 1 at the bloodâ€“brain barrier reverses induction of P-glycoprotein activity by dioxin and restores drug delivery to the CNS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1371-1375.	4.3	17
26	Interendothelial Claudin-5 Expression Depends on Cerebral Endothelial Cellâ€“Matrix Adhesion by β 1-Integrins. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1972-1985.	4.3	121
27	Aryl hydrocarbon receptorâ€“mediated upâ€“regulation of ATPâ€“driven xenobiotic efflux transporters at the bloodâ€“brain barrier. <i>FASEB Journal</i> , 2011, 25, 644-652.	0.5	94
28	Rapid Loss of Bloodâ€“Brain Barrier P-Glycoprotein Activity through Transporter Internalization Demonstrated Using a Novel in Situ Proteolysis Protection Assay. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1593-1597.	4.3	32
29	Activation of PKC Isoform β 1 at the Bloodâ€“Brain Barrier Rapidly Decreases P-Glycoprotein Activity and Enhances Drug Delivery to the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1373-1383.	4.3	49
30	Throwing Out the Thromboemboli. <i>New England Journal of Medicine</i> , 2010, 363, 1282-1284.	27.0	5
31	Rapid, Reversible Modulation of Bloodâ€“Brain Barrier P-Glycoprotein Transport Activity by Vascular Endothelial Growth Factor. <i>Journal of Neuroscience</i> , 2010, 30, 1417-1425.	3.6	92
32	Comparative changes in the blood-brain barrier and cerebral infarction of SHR and WKY rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1881-R1892.	1.8	55
33	Decreased bloodâ€“brain barrier permeability to fluorescein in streptozotocin-treated rats. <i>Neuroscience Letters</i> , 2007, 411, 1-5.	2.1	71
34	Pathophysiology of the Bloodâ€“Brain Barrier: Animal Models and Methods. <i>Current Topics in Developmental Biology</i> , 2007, 80, 277-309.	2.2	71
35	Fluorescence imaging of bloodâ€“brain barrier disruption. <i>Journal of Neuroscience Methods</i> , 2006, 151, 262-267.	2.5	126
36	Increased bloodâ€“brain barrier permeability and altered tight junctions in experimental diabetes in the rat: contribution of hyperglycaemia and matrix metalloproteinases. <i>Diabetologia</i> , 2006, 50, 202-211.	6.3	274

#	ARTICLE	IF	CITATIONS
37	The Role of Blood Brain Barrier Transport in the Enhanced Analgesia of Glycopeptide Opioids. FASEB Journal, 2006, 20, .	0.5	0
38	Ex Vivo Fluorometric Analysis of Efflux Transporters in Rat Choroid Plexus. FASEB Journal, 2006, 20, A1143.	0.5	0
39	Modulation of cerebral microvascular permeability by endothelial nicotinic acetylcholine receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H212-H219.	3.2	78
40	The Blood-Brain Barrier/Neurovascular Unit in Health and Disease. Pharmacological Reviews, 2005, 57, 173-185.	16.0	2,225
41	Chronic inflammatory pain leads to increased blood-brain barrier permeability and tight junction protein alterations. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H738-H743.	3.2	124
42	Nicotine increases in vivo blood-brain barrier permeability and alters cerebral microvascular tight junction protein distribution. Brain Research, 2004, 1027, 48-58.	2.2	187
43	Smoking and ischemic stroke: a role for nicotine?. Trends in Pharmacological Sciences, 2002, 23, 78-82.	8.7	95
44	Nicotine and Cotinine Modulate Cerebral Microvascular Permeability and Protein Expression of ZO-1 through Nicotinic Acetylcholine Receptors Expressed on Brain Endothelial Cells. Journal of Pharmaceutical Sciences, 2002, 91, 2525-2538.	3.3	149
45	Improving energy efficiency of electrochemical blackwater disinfection through sequential reduction of suspended solids and chemical oxygen demand. Gates Open Research, 0, 2, 50.	1.1	3