

Jan-Peter Hildebrandt

List of Publications by Year in descending order

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52
papers

865
citations

516710

16
h-index

552781

26
g-index

53
all docs

53
docs citations

53
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression levels and activities of energy-yielding ATPases in the oligohaline neritid snail <i>Theodoxus fluviatilis</i> under changing environmental salinities. <i>Biology Open</i> , 2022, 11, .	1.2	2
2	The cyanotoxin cylindrospermopsin slows down cell cycle progression and extends metaphase duration in immortalised human airway epithelial cells. <i>Toxicon</i> , 2022, 209, 28-35.	1.6	1
3	Life without blood: Molecular and functional analysis of hirudins and hirudin-like factors of the Asian non-hematophagous leech <i>Whitmania pigra</i> . <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1808-1817.	3.8	8
4	<i>Staphylococcus aureus</i> Alpha-Toxin in Deep Tracheal Aspirates—Preliminary Evidence for Its Presence in the Lungs of Sepsis Patients. <i>Toxins</i> , 2022, 14, 450.	3.4	0
5	Osmo- und Ionenregulation. , 2021, , 305-333.		0
6	Major Determinants of Airway Epithelial Cell Sensitivity to <i>S. aureus</i> Alpha-Toxin: Disposal of Toxin Heptamers by Extracellular Vesicle Formation and Lysosomal Degradation. <i>Toxins</i> , 2021, 13, 173.	3.4	0
7	Short tail stories: the hirudin-like factors HLF6 and HLF7 of the Asian medicinal leech, <i>Hirudinaria manillensis</i> . <i>Parasitology Research</i> , 2021, 120, 3761-3769.	1.6	2
8	Hirudin or hirudin-like factor—that is the question: insights from the analyses of natural and synthetic HLF variants. <i>FEBS Letters</i> , 2020, 594, 841-850.	2.8	13
9	Cell-free synthesis of the hirudin variant 1 of the blood-sucking leech <i>Hirudo medicinalis</i> . <i>Scientific Reports</i> , 2020, 10, 19818.	3.3	7
10	Impact of Salinity on the Gastrointestinal Bacterial Community of <i>Theodoxus fluviatilis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 683.	3.5	19
11	<i>S. aureus</i> alpha-toxin monomer binding and heptamer formation in host cell membranes—Do they determine sensitivity of airway epithelial cells toward the toxin?. <i>PLoS ONE</i> , 2020, 15, e0233854.	2.5	4
12	The hirudin-like factors HLF3 and HLF4—hidden hirudins of European medicinal leeches. <i>Parasitology Research</i> , 2020, 119, 1767-1775.	1.6	8
13	Title is missing!. , 2020, 15, e0233854.		0
14	Title is missing!. , 2020, 15, e0233854.		0
15	Title is missing!. , 2020, 15, e0233854.		0
16	Title is missing!. , 2020, 15, e0233854.		0
17	Hirudins of the Asian medicinal leech, <i>Hirudinaria manillensis</i> : same—same, but different. <i>Parasitology Research</i> , 2019, 118, 2223-2233.	1.6	18
18	Sphingomyelin Depletion from Plasma Membranes of Human Airway Epithelial Cells Completely Abrogates the Deleterious Actions of <i>S. aureus</i> Alpha-Toxin. <i>Toxins</i> , 2019, 11, 126.	3.4	13

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19	Effects of cylindrospermopsin on cultured immortalized human airway epithelial cells. <i>Chemosphere</i> , 2019, 220, 620-628.	8.2	14
20	Alanine, proline and urea are major organic osmolytes in the snail <i>Theodoxus fluviatilis</i> under hyperosmotic stress. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	27
21	Hirudin and Decorsins of the North American Medicinal Leech <i>Macrobdella decora</i> : Gene Structure Reveals Homology to Hirudins and Hirudin-Like Factors of Eurasian Medicinal Leeches. <i>Journal of Parasitology</i> , 2019, 105, 423.	0.7	10
22	Hirudin and Decorsins of the North American Medicinal Leech : Gene Structure Reveals Homology to Hirudins and Hirudin-like Factors of Eurasian Medicinal Leeches. <i>Journal of Parasitology</i> , 2019, 105, 423-431.	0.7	3
23	<i>Staphylococcus aureus</i> α -Toxin Induces Actin Filament Remodeling in Human Airway Epithelial Model Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 482-491.	2.9	22
24	Phenotypic Plasticity in Animals Exposed to Osmotic Stress – Is it Always Adaptive?. <i>BioEssays</i> , 2018, 40, e1800069.	2.5	8
25	Hirudins and hirudin-like factors in Hirudinidae: implications for function and phylogenetic relationships. <i>Parasitology Research</i> , 2017, 116, 313-325.	1.6	33
26	ATP Release from Human Airway Epithelial Cells Exposed to <i>Staphylococcus aureus</i> Alpha-Toxin. <i>Toxins</i> , 2016, 8, 365.	3.4	14
27	<i>Staphylococcus aureus</i> α -toxin-mediated cation entry depolarizes membrane potential and activates p38 MAP kinase in airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L676-L685.	2.9	25
28	Be ready at any time: postprandial synthesis of salivary proteins in salivary gland cells of the haematophagous leech <i>Hirudo verbana</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 1139-1145.	1.7	12
29	More than just one: multiplicity of Hirudins and Hirudin-like Factors in the Medicinal Leech, <i>Hirudo medicinalis</i> . <i>Molecular Genetics and Genomics</i> , 2016, 291, 227-240.	2.1	39
30	<i>Staphylococcus aureus</i> Hemolysin A Disrupts Cell-Matrix Adhesions in Human Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 14-24.	2.9	35
31	A Multi-Omics Approach Identifies Key Hubs Associated with Cell Type-Specific Responses of Airway Epithelial Cells to Staphylococcal Alpha-Toxin. <i>PLoS ONE</i> , 2015, 10, e0122089.	2.5	15
32	Pore-forming virulence factors of <i>Staphylococcus aureus</i> destabilize epithelial barriers-effects of alpha-toxin in the early phases of airway infection. <i>AIMS Microbiology</i> , 2015, 1, 11-36.	2.2	13
33	<i>Staphylococcus aureus</i> Alpha-Toxin Mediates General and Cell Type-Specific Changes in Metabolite Concentrations of Immortalized Human Airway Epithelial Cells. <i>PLoS ONE</i> , 2014, 9, e94818.	2.5	22
34	Partial hepatectomy in rats results in immediate down-regulation of p27Kip1 in residual liver tissue by transcriptional and post-translational processes. <i>Frontiers in Physiology</i> , 2013, 4, 139.	2.8	2
35	<i>S. aureus</i> haemolysin A-induced IL-8 and IL-6 release from human airway epithelial cells is mediated by activation of p38- and Erk-MAP kinases and additional, cell type-specific signalling mechanisms. <i>Cellular Microbiology</i> , 2013, 15, 1253-1265.	2.1	26
36	May Salivary Gland Secretory Proteins from Hematophagous Leeches (<i>Hirudo verbana</i>) Reach Pharmacologically Relevant Concentrations in the Vertebrate Host?. <i>PLoS ONE</i> , 2013, 8, e73809.	2.5	11

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37	Small bite, large impact—saliva and salivary molecules in the medicinal leech, <i>Hirudo medicinalis</i> . <i>Die Naturwissenschaften</i> , 2011, 98, 995-1008.	1.6	76
38	<i>Streptococcus pneumoniae</i> Infection of Host Epithelial Cells via Polymeric Immunoglobulin Receptor Transiently Induces Calcium Release from Intracellular Stores. <i>Journal of Biological Chemistry</i> , 2011, 286, 17861-17869.	3.4	21
39	Differences in osmotolerance in freshwater and brackish water populations of <i>Theodoxus fluviatilis</i> (Gastropoda: Neritidae) are associated with differential protein expression. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 337-346.	1.5	12
40	Virulence factors of <i>Staphylococcus aureus</i> induce Erk-MAP kinase activation and c-Fos expression in S9 and 16HBE14o- human airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L470-L479.	2.9	28
41	Effects of <i>Staphylococcus aureus</i> -hemolysin A on calcium signalling in immortalized human airway epithelial cells. <i>Cell Calcium</i> , 2009, 45, 165-176.	2.4	56
42	Novel mammalian cell lines expressing reporter genes for the detection of environmental chemicals activating endogenous aryl hydrocarbon receptors (AhR) or estrogen receptors (ER). <i>Toxicology in Vitro</i> , 2008, 22, 1935-1947.	2.4	5
43	Phospholipase C-activating Plasma Membrane Receptors and Calcium Signaling in Immortalized Human Airway Epithelial Cells. <i>Journal of Receptor and Signal Transduction Research</i> , 2008, 28, 591-612.	2.5	9
44	Downregulation of aquaporins 1 and 5 in nasal gland by osmotic stress in ducklings, <i>Anas platyrhynchos</i> : implications for the production of hypertonic fluid. <i>Journal of Experimental Biology</i> , 2006, 209, 4067-4076.	1.7	22
45	Attenuation of cell cycle regulator p27Kip1 expression in vertebrate epithelial cells mediated by extracellular signals in vivo and in vitro. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 511-522.	1.5	4
46	Granulomatous inflammation of salt glands in ducklings (<i>Anas platyrhynchos</i>) associated with intralesional Gram-negative bacteria. <i>Avian Pathology</i> , 2005, 34, 233-237.	2.0	13
47	Estrogen-like effects of ultraviolet screen 3-(4-methylbenzylidene)-camphor (Eusolex 6300) on cell proliferation and gene induction in mammalian and amphibian cells. <i>Environmental Research</i> , 2005, 97, 274-281.	7.5	41
48	Coping with excess salt: adaptive functions of extrarenal osmoregulatory organs in vertebrates. <i>Zoology</i> , 2001, 104, 209-220.	1.2	41
49	Ca ²⁺ and p38 MAP kinase regulate mAChR-mediated c-Fos expression in avian exocrine cells. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C879-C884.	4.6	16
50	Vertebrate salt glands: Short- and long-term regulation of function. , 1999, 283, 689-701.		45
51	In vivo and in vitro induction of c-fos in avian exocrine salt gland cells. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C951-C957.	4.6	34
52	A Gq-type G protein couples muscarinic receptors to inositol phosphate and calcium signaling in exocrine cells from the avian salt gland. <i>Journal of Membrane Biology</i> , 1993, 133, 183-90.	2.1	16