

Heike Franke

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,967
citations

304743

22
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of P2 receptors in the growth and survival of neurons in the CNS. , 2006, 109, 297-324.		215
2	P2X ₇ Receptor Expression after Ischemia in the Cerebral Cortex of Rats. Journal of Neuropathology and Experimental Neurology, 2004, 63, 686-699.	1.7	211
3	Pathophysiology of astroglial purinergic signalling. Purinergic Signalling, 2012, 8, 629-657.	2.2	171
4	P2 receptors and neuronal injury. Pflugers Archiv European Journal of Physiology, 2006, 452, 622-644.	2.8	151
5	P2 receptor-mediated proliferative effects on astrocytes in vivo. Glia, 1999, 28, 190-200.	4.9	102
6	P2 receptor-types involved in astrogliosis in vivo. British Journal of Pharmacology, 2001, 134, 1180-1189.	5.4	93
7	Inhibition by adenosine A2A receptors of NMDA but not AMPA currents in rat neostriatal neurons. British Journal of Pharmacology, 2000, 130, 259-269.	5.4	69
8	Changes in purinergic signaling after cerebral injury – involvement of glutamatergic mechanisms?. International Journal of Developmental Neuroscience, 2006, 24, 123-132.	1.6	59
9	P2X7 receptor-mRNA and -protein in the mouse retina; changes during retinal degeneration in BALBCrds mice. Neurochemistry International, 2005, 47, 235-242.	3.8	57
10	Critical Evaluation of P2X7 Receptor Antagonists in Selected Seizure Models. PLoS ONE, 2016, 11, e0156468.	2.5	57
11	Changes of the GPR17 receptor, a new target for neurorepair, in neurons and glial cells in patients with traumatic brain injury. Purinergic Signalling, 2013, 9, 451-462.	2.2	54
12	Dopaminergic neurons develop axonal projections to their target areas in organotypic co-cultures of the ventral mesencephalon and the striatum/prefrontal cortex. Neurochemistry International, 2003, 42, 431-439.	3.8	48
13	Nucleotide signaling in astrogliosis. Neuroscience Letters, 2014, 565, 14-22.	2.1	43
14	Acute phase response after fatal traumatic brain injury. International Journal of Legal Medicine, 2018, 132, 531-539.	2.2	41
15	Optimized polyethylenimine (PEI)-based nanoparticles for siRNA delivery, analyzed in vitro and in an ex vivo tumor tissue slice culture model. Drug Delivery and Translational Research, 2017, 7, 206-216.	5.8	40
16	S100B and NSE as Useful Postmortem Biochemical Markers of Traumatic Brain Injury in Autopsy Cases. Journal of Neurotrauma, 2013, 30, 1862-1871.	3.4	36
17	Alterations of neuronal precursor cells in stages of human adult neurogenesis in heroin addicts. Drug and Alcohol Dependence, 2015, 156, 139-149.	3.2	35
18	Enhanced P2Y1 receptor expression in the brain after sensitisation with d-amphetamine. Psychopharmacology, 2003, 167, 187-194.	3.1	33

#	ARTICLE	IF	CITATIONS
19	Ricin and Ricinus communis in pharmacology and toxicology-from ancient use and "Papyrus Ebers" to modern perspectives and "poisonous plant of the year 2018". Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 1181-1208.	3.0	33
20	Impaired Cognition after Stimulation of P2Y1 Receptors in the Rat Medial Prefrontal Cortex. Neuropsychopharmacology, 2015, 40, 305-314.	5.4	28
21	Intraneural Injection of ATP Stimulates Regeneration of Primary Sensory Axons in the Spinal Cord. Journal of Neuroscience, 2018, 38, 1351-1365.	3.6	27
22	Post-mortem biochemistry of NSE and S100B: A supplemental tool for detecting a lethal traumatic brain injury?. Journal of Clinical Forensic and Legal Medicine, 2018, 55, 65-73.	1.0	26
23	Survival-time dependent increase in neuronal IL-6 and astroglial GFAP expression in fatally injured human brain tissue. Scientific Reports, 2019, 9, 11771.	3.3	25
24	Nimodipine enhances neurite outgrowth in dopaminergic brain slice co-cultures. International Journal of Developmental Neuroscience, 2015, 40, 1-11.	1.6	20
25	Lack of functional P2X7 receptor aggravates brain edema development after middle cerebral artery occlusion. Purinergic Signalling, 2016, 12, 453-463.	2.2	20
26	Measurement of Cerebral Biomarkers Proving Traumatic Brain Injuries in Post-Mortem Body Fluids. Journal of Neurotrauma, 2018, 35, 2044-2055.	3.4	20
27	Comparative risk assessment of tobacco smoke constituents using the margin of exposure approach: the neglected contribution of nicotine. Scientific Reports, 2016, 6, 35577.	3.3	19
28	Post-mortem in situ stability of serum markers of cerebral damage and acute phase response. International Journal of Legal Medicine, 2019, 133, 871-881.	2.2	19
29	Purines in neurite growth and astroglia activation. Neuropharmacology, 2016, 104, 255-271.	4.1	17
30	Tumor tissue slice cultures as a platform for analyzing tissue-penetration and biological activities of nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 112, 45-50.	4.3	16
31	Tyrosine-modified linear PEIs for highly efficacious and biocompatible siRNA delivery in vitro and in vivo. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102403.	3.3	16
32	GFAP positivity in neurons following traumatic brain injuries. International Journal of Legal Medicine, 2021, 135, 2323-2333.	2.2	15
33	Pathological Potential of Astroglial Purinergic Receptors. Advances in Neurobiology, 2014, 11, 213-256.	1.8	13
34	P2Y1 receptor mediated neuronal fibre outgrowth in organotypic brain slice co-cultures. Neuropharmacology, 2015, 93, 252-266.	4.1	12
35	Organotypic Slice Co-culture Systems to Study Axon Regeneration in the Dopaminergic System Ex Vivo. Methods in Molecular Biology, 2014, 1162, 97-111.	0.9	12
36	Risk Assessment of Caffeine and Epigallocatechin Gallate in Coffee Leaf Tea. Foods, 2022, 11, 263.	4.3	12

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37	P2 receptors on macroglial cells: Functional implications for gliosis. <i>Drug Development Research</i> , 2001, 53, 140-147.	2.9	11
38	Immunoreactivity for glial fibrillary acidic protein and P2 receptor expression on astrocytes in vivo. <i>Drug Development Research</i> , 2003, 59, 175-189.	2.9	9
39	Assessing Protein Biomarkers to Detect Lethal Acute Traumatic Brain Injuries in Cerebrospinal Fluid. <i>Biomolecules</i> , 2021, 11, 1577.	4.0	9
40	Forensic biomarkers of lethal traumatic brain injury. <i>International Journal of Legal Medicine</i> , 2022, 136, 871-886.	2.2	9
41	Golgi Fragmentation in Human Patients with Chronic Atrial Fibrillation: A New Aspect of Remodeling. <i>Thoracic and Cardiovascular Surgeon</i> , 2019, 67, 098-106.	1.0	8
42	SATB1 as oncogenic driver and potential therapeutic target in head & neck squamous cell carcinoma (HNSCC). <i>Scientific Reports</i> , 2020, 10, 8615.	3.3	8
43	Drug- and/or trauma-induced hyperthermia? Characterization of HSP70 and myoglobin expression. <i>PLoS ONE</i> , 2018, 13, e0194442.	2.5	7
44	5,7-Dihydroxytryptamine - a selective marker of dopaminergic or serotonergic neurons?. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002, 366, 315-318.	3.0	6
45	Role of G protein-coupled receptors (GPCRs) for purines and pyrimidines in mediating degeneration and regeneration under neuroinflammatory processes. <i>Purinergic Signalling</i> , 2011, 7, 1-5.	2.2	6
46	Glioblastoma Tissue Slice Tandem-Cultures for Quantitative Evaluation of Inhibitory Effects on Invasion and Growth. <i>Cancers</i> , 2020, 12, 2707.	3.7	6
47	Amphiphilic Anionic Oligomer-Stabilized Calcium Phosphate Nanoparticles with Prospects in siRNA Delivery via Convection-Enhanced Delivery. <i>Pharmaceutics</i> , 2022, 14, 326.	4.5	6
48	BAC transgenic mice to study the expression of P2X2 and P2Y1 receptors. <i>Purinergic Signalling</i> , 2021, 17, 449-465.	2.2	4
49	Involvement of GPR17 in Neuronal Fibre Outgrowth. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11683.	4.1	3
50	Increase of intracellular Ca ²⁺ by P2Y but not P2X receptors in cultured cortical multipolar neurons of the rat. <i>Journal of Comparative Neurology</i> , 2009, 516, spc1-spc1.	1.6	0
51	Increase of intracellular Ca ²⁺ by P2Y but not P2X receptors in cultured cortical multipolar neurons of the rat. <i>Journal of Comparative Neurology</i> , 2009, 516, spc1-spc1.	1.6	0
52	How Prof. Burnstock's enthusiasm supported P2 receptor research in Germany. <i>Purinergic Signalling</i> , 2021, 17, 139-140.	2.2	0