

Fritz Markwardt

List of Publications by Year in descending order

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43
papers

1,635
citations

331670

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h-index

302126

39
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44
all docs

44
docs citations

44
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Trophic activity of a naturally occurring truncated isoform of the P2X7 receptor. <i>FASEB Journal</i> , 2010, 24, 3393-3404.	0.5	218
2	The Elusive P2X7 Macropore. <i>Trends in Cell Biology</i> , 2018, 28, 392-404.	7.9	205
3	TMEM16A(a)/anoctamin-1 Shares a Homodimeric Architecture with CLC Chloride Channels. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S11.	3.8	89
4	Functional evidence of distinct ATP activation sites at the human P2X7 receptor. <i>Journal of Physiology</i> , 2001, 534, 25-35.	2.9	70
5	Localization of the gate and selectivity filter of the full-length P2X7 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2156-E2165.	7.1	65
6	Nonselective cationic currents elicited by extracellular ATP in human B-lymphocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1995, 429, 691-698.	2.8	64
7	Purinoreceptor-operated cationic channels in human B lymphocytes. <i>Journal of Physiology</i> , 1997, 498, 143-151.	2.9	62
8	Glu ⁴⁹⁶ Ala polymorphism of human P2X ₇ receptor does not affect its electrophysiological phenotype. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C749-C756.	4.6	62
9	Characteristics of P2X7 receptors from human B lymphocytes expressed in <i>Xenopus</i> oocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1467, 444-456.	2.6	60
10	NF449, a novel picomolar potency antagonist at human P2X1 receptors. <i>European Journal of Pharmacology</i> , 2003, 470, 1-7.	3.5	60
11	The P2X7 Carboxyl Tail Is a Regulatory Module of P2X7 Receptor Channel Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 25725-25734.	3.4	56
12	Interaction of Purinergic P2X4 and P2X7 Receptor Subunits. <i>Frontiers in Pharmacology</i> , 2017, 8, 860.	3.5	56
13	Transport of the Advanced Glycation End Products Alanylpyrraline and Pyrralylalanine by the Human Proton-Coupled Peptide Transporter hPEPT1. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2543-2547.	5.2	49
14	Activation of ATP secretion via volume-regulated anion channels by sphingosine-1-phosphate in RAW macrophages. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1215-1226.	2.8	49
15	Desynchronising effect of the endothelium on intracellular Ca ²⁺ concentration dynamics in vascular smooth muscle cells of rat mesenteric arteries. <i>Cell Calcium</i> , 2002, 32, 105-120.	2.4	48
16	Antagonism by the suramin analogue NF279 on human P2X1 and P2X7 receptors. <i>European Journal of Pharmacology</i> , 2000, 387, 245-252.	3.5	36
17	Sphingosine-1-phosphate receptors stimulate macrophage plasma-membrane actin assembly via ADP release, ATP synthesis and P2X7R activation. <i>Journal of Cell Science</i> , 2009, 122, 505-512.	2.0	30
18	The bioactive dipeptide anserine is transported by human proton-coupled peptide transporters. <i>FEBS Journal</i> , 2010, 277, 790-795.	4.7	30

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19	Block by extracellular Mg ²⁺ of single human purinergic P2X ₄ receptor channels expressed in human embryonic kidney cells. <i>Neuroscience Letters</i> , 2000, 279, 165-168.	2.1	29
20	Salt Bridge Switching from Arg290/Glu167 to Arg290/ATP Promotes the Closed-to-Open Transition of the P2X ₂ Receptor. <i>Molecular Pharmacology</i> , 2013, 83, 73-84.	2.3	27
21	Homodimeric anoctamin-1, but not homodimeric anoctamin-6, is activated by calcium increases mediated by the P2Y ₁ and P2X ₇ receptors. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2121-2140.	2.8	25
22	The effect of anions on the human P2X ₇ receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2913-2922.	2.6	22
23	Synthesis and intestinal transport of the iron chelator maltosine in free and dipeptide form. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 75-82.	4.3	20
24	Dissecting Individual Current Components of Co-expressed Human P2X ₁ and P2X ₇ Receptors. <i>Current Topics in Medicinal Chemistry</i> , 2004, 4, 1719-1730.	2.1	20
25	The role of N-glycosylation in transport function and surface targeting of the human solute carrier PAT1. <i>FEBS Letters</i> , 2009, 583, 1631-1636.	2.8	19
26	Effects of protons on macroscopic and single-channel currents mediated by the human P2X ₇ receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 947-957.	2.6	19
27	Identification of a Disulfide Bridge Essential for Transport Function of the Human Proton-coupled Amino Acid Transporter hPAT1. <i>Journal of Biological Chemistry</i> , 2009, 284, 22123-22132.	3.4	18
28	The Orally Active Antihyperglycemic Drug Î²-Guanidinopropionic Acid Is Transported by the Human Proton-Coupled Amino Acid Transporter hPAT1. <i>Molecular Pharmaceutics</i> , 2009, 6, 1006-1011.	4.6	18
29	Influence of Ion Channel Blockers on Proliferation and Free Intracellular Ca ²⁺ Concentration of Human Keratinocytes. <i>Skin Pharmacology and Physiology</i> , 1999, 12, 257-265.	2.5	17
30	Inhibition of antigen receptor-dependent Ca ²⁺ signals and NF-AT activation by P2X ₇ receptors in human B lymphocytes. <i>Cell Calcium</i> , 2015, 57, 275-289.	2.4	17
31	Dissection of P2X ₄ and P2X ₇ Receptor Current Components in BV-2 Microglia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8489.	4.1	15
32	Sphingosine-1-phosphate induces migration of microglial cells via activation of volume-sensitive anion channels, ATP secretion and activation of purinergic receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118915.	4.1	13
33	Transport of the areca nut alkaloid arecaidine by the human proton-coupled amino acid transporter 1 (hPAT1). <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 582-590.	2.4	10
34	Human P2X ₇ receptors – Properties of single ATP-gated ion channels. <i>Biochemical Pharmacology</i> , 2021, 187, 114307.	4.4	9
35	Activation kinetics of single P2X receptors. <i>Purinergic Signalling</i> , 2007, 3, 249-253.	2.2	8
36	When S1P meets ATP. <i>Channels</i> , 2014, 8, 385-386.	2.8	5

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37	The mineralocorticoid receptor leads to increased expression of EGFR and T-type calcium channels that support HL-1 cell hypertrophy. <i>Scientific Reports</i> , 2021, 11, 13229.	3.3	4
38	Dihydropyridines Potentiate ATP-Induced Currents Mediated by the Full-Length Human P2X5 Receptor. <i>Molecules</i> , 2022, 27, 1846.	3.8	4
39	Effects of trapidil-derivatives on calcium channel currents in isolated ventricular cells from mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1988, 337, 454-8.	3.0	3
40	Characteristics of binding sites for ATP4-at the human P2X7receptor. <i>Drug Development Research</i> , 2001, 53, 77-82.	2.9	1
41	Function of the second Transmembrane Domain of the Human P2X7 Receptor. <i>Biophysical Journal</i> , 2014, 106, 154a.	0.5	1
42	Sphingosine-1-Phosphate-Induced ATP Secretion in Microglia is Mediated by LRRC8 Proteins of Volume-Regulated Anion Channels. <i>Biophysical Journal</i> , 2018, 114, 492a.	0.5	1
43	Different K ⁺ -release in distal myogenic and neurogenic muscular weakness during non-ischemic exercise. <i>Journal of the Neurological Sciences</i> , 2022, 432, 120070.	0.6	0