Helle A Praetorius

List of Publications by Year
in descending order

63 papers	2,548 citations	236925 25 h-index	189892 50 g-index
63 all docs	63 docs citations	63 times ranked	2780 citing authors

#	Article	IF	Citations
1	A PHYSIOLOGICAL VIEW OF THE PRIMARY CILIUM. Annual Review of Physiology, 2005, 67, 515-529.	13.1	258
2	The renal cell primary cilium functions as a flow sensor. Current Opinion in Nephrology and Hypertension, 2003, 12, 517-520.	2.0	236
3	ATP release from non-excitable cells. Purinergic Signalling, 2009, 5, 433-446.	2.2	202
4	Inhibition of the sarco/endoplasmic reticulum (ER) Ca2+-ATPase by thapsigargin analogs induces cell death via ER Ca2+ depletion and the unfolded protein response. Journal of Biological Chemistry, 2017, 292, 19656-19673.	3.4	147
5	Low Chloride Stimulation of Prostaglandin E2Release and Cyclooxygenase-2 Expression in a Mouse Macula Densa Cell Line. Journal of Biological Chemistry, 2000, 275, 37922-37929.	3.4	145
6	Î±-Hemolysin from <i>Escherichia coli</i> uses endogenous amplification through P2X receptor activation to induce hemolysis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4030-4035.	7.1	113
7	Vasopressin-independent targeting of aquaporin-2 by selective E-prostanoid receptor agonists alleviates nephrogenic diabetes insipidus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12949-12954.	7.1	113
8	Intrarenal Purinergic Signaling in the Control of Renal Tubular Transport. Annual Review of Physiology, 2010, 72, 377-393.	13.1	111
9	Flow-Induced [Ca2+]i Increase Depends on Nucleotide Release and Subsequent Purinergic Signaling in the Intact Nephron. Journal of the American Society of Nephrology: JASN, 2007, 18, 2062-2070.	6.1	108
10	Colonic potassium handling. Pflugers Archiv European Journal of Physiology, 2010, 459, 645-656.	2.8	88
11	Aldosterone increases K_{Ca}1.1 (BK) channelâ€mediated colonic K⁺ secretion. Journal of Physiology, 2008, 586, 4251-4264.	2.9	74
12	The primary cilium as sensor of fluid flow: new building blocks to the model. A Review in the Theme: Cell Signaling: Proteins, Pathways and Mechanisms. American Journal of Physiology - Cell Physiology, 2015, 308, C198-C208.	4.6	70
13	Angiotensin II mediates downregulation of aquaporin water channels and key renal sodium transporters in response to urinary tract obstruction. American Journal of Physiology - Renal Physiology, 2006, 291, F1021-F1032.	2.7	65
14	Bacterial RTX Toxins Allow Acute ATP Release from Human Erythrocytes Directly through the Toxin Pore. Journal of Biological Chemistry, 2014, 289, 19098-19109.	3.4	54
15	Escherichia coli Î±-Hemolysin Triggers Shrinkage of Erythrocytes via KCa3.1 and TMEM16A Channels with Subsequent Phosphatidylserine Exposure. Journal of Biological Chemistry, 2010, 285, 15557-15565.	3.4	53
16	Interaction Between Na + /K + -Pump and Na + /Ca 2+ -Exchanger Modulates Intercellular Communication. Circulation Research, 2007, 100, 1026-1035.	4.5	52
17	Haemolysis induced by Î±-toxin from Staphylococcus aureus requires P2X receptor activation. Pflugers Archiv European Journal of Physiology, 2011, 462, 669-679.	2.8	47
18	17Î²-Estradiol induces nongenomic effects in renal intercalated cells through G protein-coupled estrogen receptor 1. American Journal of Physiology - Renal Physiology, 2012, 302, F358-F368.	2.7	44

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19	Leukotoxin from<i>Aggregatibacter actinomycetemcomitans</i>causes shrinkage and P2X receptor-dependent lysis of human erythrocytes. Cellular Microbiology, 2012, 14, 1904-1920.	2.1	42
20	P2X1, P2X4, and P2X7 Receptor Knock Out Mice Expose Differential Outcome of Sepsis Induced by Î±-Haemolysin Producing Escherichia coli. Frontiers in Cellular and Infection Microbiology, 2017, 7, 113.	3.9	39
21	Furosemide-induced urinary acidification is caused by pronounced H⁺ secretion in the thick ascending limb. American Journal of Physiology - Renal Physiology, 2015, 309, F146-F153.	2.7	38
22	Adrenaline-induced colonic K+secretion is mediated by KCa1.1 (BK) channels. Journal of Physiology, 2010, 588, 1763-1777.	2.9	34
23	Primary cilium-dependent sensing of urinary flow and paracrine purinergic signaling. Seminars in Cell and Developmental Biology, 2013, 24, 3-10.	5.0	33
24	Basolateral P2X receptors mediate inhibition of NaCl transport in mouse medullary thick ascending limb (mTAL). American Journal of Physiology - Renal Physiology, 2012, 302, F487-F494.	2.7	30
25	AVP-stimulated nucleotide secretion in perfused mouse medullary thick ascending limb and cortical collecting duct. American Journal of Physiology - Renal Physiology, 2009, 297, F341-F349.	2.7	29
26	Renal epithelial cells can release ATP by vesicular fusion. Frontiers in Physiology, 2013, 4, 238.	2.8	24
27	Comment on â€œ <i>Aggregatibacter actinomycetemcomitans</i> â€“induced hypercitrullination links periodontal infection to autoimmunity in rheumatoid arthritisâ€• Science Translational Medicine, 2018, 10, .	12.4	24
28	Python Erythrocytes Are Resistant to Î±-Hemolysin from Escherichia coli. Journal of Membrane Biology, 2011, 244, 131-140.	2.1	23
29	Inhibition of P2X Receptors Protects Human Monocytes against Damage by Leukotoxin from Aggregatibacter actinomycetemcomitans and Î±-Hemolysin from Escherichia coli. Infection and Immunity, 2016, 84, 3114-3130.	2.2	22
30	Renal Autocrine and Paracrine Signaling: A Story of Self-protection. Physiological Reviews, 2020, 100, 1229-1289.	28.8	20
31	Effects of extracellular HCO3âˆ’ on fatigue, pHi, and K+ efflux in rat skeletal muscles. Journal of Applied Physiology, 2007, 103, 494-503.	2.5	19
32	The secretory KCa1.1 channel localises to crypts of distal mouse colon: functional and molecular evidence. Pflugers Archiv European Journal of Physiology, 2011, 462, 745-752.	2.8	19
33	Sialic Acid Residues Are Essential for Cell Lysis Mediated by Leukotoxin from Aggregatibacter actinomycetemcomitans. Infection and Immunity, 2014, 82, 2219-2228.	2.2	18
34	Fluid flow sensing and triggered nucleotide release in epithelia. Journal of Physiology, 2008, 586, 2669-2669.	2.9	16
35	P2X Receptor-Dependent Erythrocyte Damage by Î±-Hemolysin from Escherichia coli Triggers Phagocytosis by THP-1 Cells. Toxins, 2013, 5, 472-487.	3.4	16
36	[Ca2+] Oscillations and IL-6 Release Induced by Î±-Hemolysin from Escherichia coli Require P2 Receptor Activation in Renal Epithelia. Journal of Biological Chemistry, 2015, 290, 14776-14784.	3.4	13

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37	Hyperaldosteronism after decreased renal K⁺excretion in KCNMB2 knockout mice. American Journal of Physiology - Renal Physiology, 2016, 310, F1035-F1046.	2.7	13
38	Î±â€Haemolysin production, as a single factor, causes fulminant sepsis in a model of<scp><i>Escherichia coli</i></scp>â€induced bacteraemia. Cellular Microbiology, 2019, 21, e13017.	2.1	13
39	Lack of P2X7 Receptors Protects against Renal Fibrosis after Pyelonephritis with Î±-Hemolysinâ€"Producing Escherichia coli. American Journal of Pathology, 2019, 189, 1201-1211.	3.8	11
40	Erythrocyte P2X1 receptor expression is correlated with change in haematocrit in patients admitted to the ICU with blood pathogen-positive sepsis. Critical Care, 2018, 22, 181.	5.8	9
41	P2Y2 receptor knock-out mice display normal NaCl absorption in medullary thick ascending limb. Frontiers in Physiology, 2013, 4, 280.	2.8	8
42	Assessment of the Effect of 24-Hour Aldosterone Administration on Protein Abundance in Fluorescence-Sorted Mouse Distal Renal Tubules by Mass Spectrometry. Nephron Physiology, 2012, 121, p9-p15.	1.2	7
43	P2X1 receptor blockers reduce the number of circulating thrombocytes and the overall survival of urosepsis with haemolysin-producing Escherichia coli. Purinergic Signalling, 2019, 15, 265-276.	2.2	7
44	Acute pyelonephritis: Increased plasma membrane targeting of renal aquaporinâ€2. Acta Physiologica, 2022, 234, e13760.	3.8	7
45	P2X Receptors Inhibit NaCl Absorption in mTAL Independently of Nitric Oxide. Frontiers in Physiology, 2017, 8, 18.	2.8	6
46	EP₁ receptor antagonism mitigates early and late stage renal fibrosis. Acta Physiologica, 2022, 234, e13780.	3.8	6
47	Loop Diuretics Diminish Hemolysis Induced by Î±-Hemolysin from Escherichia coli. Journal of Membrane Biology, 2017, 250, 301-313.	2.1	5
48	Prevention of P2 Receptor-Dependent Thrombocyte Activation by Pore-Forming Bacterial Toxins Improves Outcome in A Murine Model of Urosepsis. International Journal of Molecular Sciences, 2020, 21, 5652.	4.1	4
49	The bacteria and the host: a story of purinergic signaling in urinary tract infections. American Journal of Physiology - Cell Physiology, 2021, 321, C134-C146.	4.6	4
50	Intact colonic <scp>K_C</scp>_a1.1 channel activity in <scp>KCNMB</scp>2 knockout mice. Physiological Reports, 2017, 5, e13179.	1.7	3
51	Agonists that Increase [Ca2+]i Halt the Movement of Acidic Cytoplasmic Vesicles in MDCK Cells. Journal of Membrane Biology, 2011, 244, 43-53.	2.1	2
52	Measuring Cilium-Induced Ca2+ Increases in Cultured Renal Epithelia. Methods in Cell Biology, 2009, 91, 299-313.	1.1	1
53	Spontaneous [Ca 2+] i oscillations reflect nucleotide release from cultured and intact renal epithelia. FASEB Journal, 2007, 21, A1327.	0.5	1
54	The adrenalineâ€induced colonic K + secretion is conducted by the ZERO splice variant of K Ca 1.1 (BK). FASEB Journal, 2009, 23, 796.21.	0.5	1

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55	Meeting Preview: Europhysiology 2022 Letâ€™s meet for real. , 2022, , 38.		1
56	Being dedicated. American Journal of Physiology - Renal Physiology, 2015, 309, F835-F835.	2.7	0
57	Sorting out the paracrine kidney. American Journal of Physiology - Renal Physiology, 2015, 308, F1074-F1075.	2.7	0
58	How Does Aldosterone Work in theÎ²-Intercalated Cell?. Journal of the American Society of Nephrology: JASN, 2020, 31, 451-452.	6.1	0
59	Aldosterone upâ€regulates K _{Ca} 1.1 (BK) channelâ€mediated colonic K ⁺ secretion. FASEB Journal, 2007, 21, .	0.5	0
60	Vasopressin independent trafficking of aquaporinâ€2 by prostaglandin E2. FASEB Journal, 2010, 24, 610.3.	0.5	0
61	Isolation of single cells from murine late distal convoluted tubules and connecting tubules. FASEB Journal, 2011, 25, 863.7.	0.5	0
62	Characterizing the pathway for nucleotide release in a renal epithelial cell line. FASEB Journal, 2011, 25, 1041.12.	0.5	0
63	Europhysiology 2022: Letâ€™s meet for real. Acta Physiologica, 2022, 235, e13825.	3.8	0