Laura A Dada

List of Publications by Year
in descending order

69 papers	2,645 citations	186265 28 h-index	189892 50 g-index
72 all docs	72 docs citations	72 times ranked	3068 citing authors

#	Article	IF	Citations
1	Hypoxia-induced endocytosis of Na,K-ATPase in alveolar epithelial cells is mediated by mitochondrial reactive oxygen species and PKC-Î¶. Journal of Clinical Investigation, 2003, 111, 1057-1064.	8.2	244
2	Hypoxia-induced alveolar epithelial-mesenchymal transition requires mitochondrial ROS and hypoxia-inducible factor 1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L1120-L1130.	2.9	189
3	AMP-activated protein kinase regulates CO2-induced alveolar epithelial dysfunction in rats and human cells by promoting Na,K-ATPase endocytosis. Journal of Clinical Investigation, 2008, 118, 752-62.	8.2	146
4	Hypoxia Leads to Na,K-ATPase Downregulation via Ca²⁺ Release-Activated Ca²⁺ Channels and AMPK Activation. Molecular and Cellular Biology, 2011, 31, 3546-3556.	2.3	127
5	High CO2 Levels Impair Alveolar Epithelial Function Independently of pH. PLoS ONE, 2007, 2, e1238.	2.5	108
6	Î±1-AMP-Activated Protein Kinase Regulates Hypoxia-Induced Na,K-ATPase Endocytosis via Direct Phosphorylation of Protein Kinase CÎ¶. Molecular and Cellular Biology, 2009, 29, 3455-3464.	2.3	107
7	Hypoxia-Mediated Degradation of Na,K-ATPase via Mitochondrial Reactive Oxygen Species and the Ubiquitin-Conjugating System. Circulation Research, 2006, 98, 1314-1322.	4.5	105
8	High CO2 Levels Cause Skeletal Muscle Atrophy via AMP-activated Kinase (AMPK), FoxO3a Protein, and Muscle-specific Ring Finger Protein 1 (MuRF1). Journal of Biological Chemistry, 2015, 290, 9183-9194.	3.4	101
9	Dopamine-induced Exocytosis of Na,K-ATPase Is Dependent on Activation of Protein Kinase C-Îµ and -Î´. Molecular Biology of the Cell, 2002, 13, 1381-1389.	2.1	90
10	The Na-K-ATPase Î±₁Î²₁heterodimer as a cell adhesion molecule in epithelia. American Journal of Physiology - Cell Physiology, 2012, 302, C1271-C1281.	4.6	81
11	Septin Dynamics Are Essential for Exocytosis. Journal of Biological Chemistry, 2015, 290, 5280-5297.	3.4	68
12	Mitochondrial Ca2+ and ROS take center stage to orchestrate TNF-Î±â€“mediated inflammatory responses. Journal of Clinical Investigation, 2011, 121, 1683-1685.	8.2	62
13	The kinase Jnk2 promotes stress-induced mitophagy by targeting the small mitochondrial form of the tumor suppressor ARF for degradation. Nature Immunology, 2015, 16, 458-466.	14.5	60
14	Role of the small GTPase RhoA in the hypoxia-induced decrease of plasma membrane Na,K-ATPase in A549 cells. Journal of Cell Science, 2007, 120, 2214-2222.	2.0	49
15	HIF and HOIL-1Lâ€“mediated PKCÎ¶ degradation stabilizes plasma membrane Na,K-ATPase to protect against hypoxia-induced lung injury. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10178-E10186.	7.1	48
16	Mechanisms of pulmonary edema clearance during acute hypoxemic respiratory failure: Role of the Na,K-ATPase. Critical Care Medicine, 2003, 31, S248-S252.	0.9	47
17	Na,Kâ€ATPase Î±1â€subunit dephosphorylation by protein phosphatase 2A is necessary for its recruitment to the plasma membrane. FASEB Journal, 2006, 20, 2618-2620.	0.5	45
18	E3 ubiquitin ligase Mule ubiquitinates Miz1 and is required for TNFÎ±-induced JNK activation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13444-13449.	7.1	43

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19	Phosphorylation of Adaptor Proteinâ€“2 Î¼2 Is Essential for Na+,K+-ATPase Endocytosis in Response to Either G Proteinâ€“Coupled Receptor or Reactive Oxygen Species. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 127-132.	2.9	42
20	Extracellular signalâ€regulated kinase (ERK) participates in the hypercapniaâ€induced Na,Kâ€ATPase downregulation. FEBS Letters, 2010, 584, 3985-3989.	2.8	42
21	Evolutionary Conserved Role of c-Jun-N-Terminal Kinase in CO2-Induced Epithelial Dysfunction. PLoS ONE, 2012, 7, e46696.	2.5	42
22	Involvement of arachidonic acid and the lipoxygenase pathway in mediating luteinizing hormone-induced testosterone synthesis in rat leydig cells. Endocrine Research, 1997, 23, 15-26.	1.2	41
23	Phosphorylation and ubiquitination are necessary for Na,K-ATPase endocytosis during hypoxia. Cellular Signalling, 2007, 19, 1893-1898.	3.6	40
24	An adrenocorticotropin-regulated phosphoprotein intermediary in steroid synthesis is similar to an acyl-CoA thioesterase enzyme. FEBS Journal, 1998, 256, 60-66.	0.2	37
25	Endothelin-1 Impairs Alveolar Epithelial Function via Endothelial ET_B Receptor. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 113-122.	5.6	37
26	Hypoxiaâ€mediated Naâ€Kâ€ATPase degradation requires von Hippel Lindau protein. FASEB Journal, 2008, 22, 1335-1342.	0.5	35
27	Influenza A Virus Infection Induces Muscle Wasting via IL-6 Regulation of the E3 Ubiquitin Ligase Atrogin-1. Journal of Immunology, 2019, 202, 484-493.	0.8	35
28	HOIL-1L Functions as the PKCÎ¶ Ubiquitin Ligase to Promote Lung Tumor Growth. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 688-698.	5.6	34
29	Downregulation of PKCÎ¶/Pard3/Pard6b is responsible for lung adenocarcinoma cell EMT and invasion. Cellular Signalling, 2017, 38, 49-59.	3.6	34
30	Role of Ubiquitination in Na,K-ATPase Regulation during Lung Injury. Proceedings of the American Thoracic Society, 2010, 7, 65-70.	3.5	32
31	High CO₂ Leads to Na,K-ATPase Endocytosis via c-Jun Amino-Terminal Kinase-Induced LMO7b Phosphorylation. Molecular and Cellular Biology, 2015, 35, 3962-3973.	2.3	29
32	Luteinizing Hormone Triggers a Molecular Association Between Its Receptor and the Major Histocompatibility Complex Class I Antigen to Produce Cell Activation. Endocrinology, 1988, 122, 2080-2083.	2.8	27
33	Insulin regulates alveolar epithelial function by inducing Na+/K+-ATPase translocation to the plasma membrane in a process mediated by the action of Akt. Journal of Cell Science, 2010, 123, 1343-1351.	2.0	27
34	FXYD5 Is an Essential Mediator of the Inflammatory Response during Lung Injury. Frontiers in Immunology, 2017, 8, 623.	4.8	27
35	Norepinephrine Increases Alveolar Fluid Reabsorption and Na,K-ATPase Activity. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 730-736.	5.6	26
36	Intratracheal administration of influenza virus is superior to intranasal administration as a model of acute lung injury. Journal of Virological Methods, 2014, 209, 116-120.	2.1	26

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37	Selective Assembly of Na,K-ATPase Î±2Î²2 Heterodimers in the Heart. Journal of Biological Chemistry, 2016, 291, 23159-23174.	3.4	26
38	Hypoxic Inhibition of Alveolar Fluid Reabsorption. Advances in Experimental Medicine and Biology, 2007, 618, 159-168.	1.6	26
39	Purification of a Novel 43-kDa Protein (p43) Intermediary in the Activation of Steroidogenesis from Rat Adrenal Gland. FEBS Journal, 1994, 224, 709-716.	0.2	24
40	Identification of the amino-acid region involved in the intercellular interaction between the Na,K-ATPase Î²1 subunits. Journal of Cell Science, 2012, 125, 1605-16.	2.0	24
41	Elevated CO2 regulates the Wnt signaling pathway in mammals, Drosophila melanogaster and Caenorhabditis elegans. Scientific Reports, 2019, 9, 18251.	3.3	24
42	Linear ubiquitin assembly complex regulates lung epithelialâ€“driven responses during influenza infection. Journal of Clinical Investigation, 2020, 130, 1301-1314.	8.2	20
43	FXYD5 <i>O-</i>glycosylated ectodomain impairs adhesion by disrupting cell-cell <i>trans</i>-dimerization of Na,K-ATPase Î²1 subunits. Journal of Cell Science, 2016, 129, 2394-406.	2.0	19
44	Leukotrienes as common intermediates in the cyclic AMP dependent and independent pathways in adrenal steroidogenesis. The Journal of Steroid Biochemistry, 1987, 27, 745-751.	1.1	17
45	FXYD5 Protein Has a Pro-inflammatory Role in Epithelial Cells. Journal of Biological Chemistry, 2016, 291, 11072-11082.	3.4	16
46	Alcohol Worsens Acute Lung Injury by Inhibiting Alveolar Sodium Transport through the Adenosine A1 Receptor. PLoS ONE, 2012, 7, e30448.	2.5	15
47	Role of Linear Ubiquitination in Health and Disease. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 761-768.	2.9	14
48	Lung Injury Induces Alveolar Type 2 Cell Hypertrophy and Polyploidy with Implications for Repair and Regeneration. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 564-576.	2.9	14
49	Hypercapnia Impairs Na,K-ATPase Function by Inducing Endoplasmic Reticulum Retention of the Î²-Subunit of the Enzyme in Alveolar Epithelial Cells. International Journal of Molecular Sciences, 2020, 21, 1467.	4.1	13
50	The cytosol as site of phosphorylation of the cyclic AMP-dependent protein kinase in adrenal steroidogenesis. Journal of Steroid Biochemistry and Molecular Biology, 1991, 39, 889-896.	2.5	12
51	Maturation of the Na,K-ATPase in the Endoplasmic Reticulum in Health and Disease. Journal of Membrane Biology, 2021, 254, 447-457.	2.1	10
52	Site of action of proteinases in the activation of steroidogenesis in rat adrenal gland. Biochimica Et Biophysica Acta - Molecular Cell Research, 1996, 1310, 260-268.	4.1	9
53	Ubiquitin-proteasome signaling in lung injury. Translational Research, 2018, 198, 29-39.	5.0	9
54	Characterization of the cDNA corresponding to a phosphofrotein (p43) intermediary in the action of acth.. Endocrine Research, 1996, 22, 521-532.	1.2	4

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55	cytosolic and mttochondrial proteins as possible targets of cycloheximide effect on adrenal steroidogenesis.. Endocrine Research, 1996, 22, 533-539.	1.2	3
56	Lord of the RING: Ubiquitination and Directed Degradation of Skeletal Muscle in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 795-796.	5.6	3
57	Dysregulation of ion transport in the lung epithelium infected with SARS-CoV-2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L1183-L1185.	2.9	3
58	TRAF2 Is a Novel Ubiquitin E3 Ligase for the Na,K-ATPase Î²-Subunit That Drives Alveolar Epithelial Dysfunction in Hypercapnia. Frontiers in Cell and Developmental Biology, 2021, 9, 689983.	3.7	2
59	Role Of AMP-Activated Protein Kinase (AMPK) In Hypercapnia-Induced Muscle Atrophy. , 2012, , .		1
60	Splice Wars: The Role of MLCK Isoforms in Ventilation-induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 549-550.	2.9	1
61	HYPERCAPNIA IMPAIRS ALVEOLAR FLUID CLEARANCE VIA PROTEIN KINASE CASCADE SIGNALING. Chest, 2006, 130, 85S.	0.8	0
62	Chapter 7 Regulation of Na,K-ATPase by Reactive Oxygen Species. Current Topics in Membranes, 2008, 61, 131-146.	0.9	0
63	Central Role Of C-Jun N-terminal Kinase In Hypercapnia-induced Alveolar Epithelial Dysfunction. , 2010, , .		0
64	Role Of Protein Kinase C Zeta (PKCÂ¶) In The Na,K-ATPase Regulation During Hypoxia. , 2010, , .		0
65	Hypercapnia Leads To Muscle Dysfunction Via Ubiquitination. , 2011, , .		0
66	Effects Of Hypercapnia On NA,K-ATPASE Stability And Epithelial Cell Adhesion In Human Alveolar Epithelial Cells. , 2011, , .		0
67	489. Critical Care Medicine, 2014, 42, A1478.	0.9	0
68	Elevated levels of von Hippelâ€Lindau protein in human and mouse fibrotic lungs. FASEB Journal, 2009, 23, 1025.2.	0.5	0
69	Hypercapnia-induced calcium dysregulation in the endoplasmic reticulum impairs Na,K-ATPase maturation in precision-cut lung slices and alveolar epithelial cells. , 2020, , .		0