Olivier Staub

List of Publications by Year
in descending order

85 papers	5,858 citations	71004 43 h-index	84171 75 g-index
87 all docs	87 docs citations	87 times ranked	5224 citing authors

#	Article	IF	Citations
1	Does the early aldosteroneâ€induced SGK1 play a role in early Kaliuresis?. Physiological Reports, 2022, 10, e15188.	0.7	3
2	Mineralocorticoid Receptor Antagonists Cause Natriuresis in the Absence of Aldosterone. Hypertension, 2022, 79, 1423-1434.	1.3	18
3	SIRT7 modulates the stability and activity of the renal Kâ€Cl cotransporter KCC4 through deacetylation. EMBO Reports, 2021, 22, e50766.	2.0	11
4	Function and Regulation of the Epithelial Na⁺Channel<scp>ENaC</scp>. , 2021, 11, 2017-2045.		36
5	Expression of claudin-8 is induced by aldosterone in renal collecting duct principal cells. American Journal of Physiology - Renal Physiology, 2021, 321, F645-F655.	1.3	3
6	Renal Tubule Nedd4-2 Deficiency Stimulates Kir4.1/Kir5.1 and Thiazide-Sensitive NaCl Cotransporter in Distal Convoluted Tubule. Journal of the American Society of Nephrology: JASN, 2020, 31, 1226-1242.	3.0	18
7	Mutation affecting the conserved acidic WNK1 motif causes inherited hyperkalemic hyperchloremic acidosis. Journal of Clinical Investigation, 2020, 130, 6379-6394.	3.9	32
8	Mg²⁺restriction downregulates NCC through NEDD4-2 and prevents its activation by hypokalemia. American Journal of Physiology - Renal Physiology, 2019, 317, F825-F838.	1.3	15
9	The serineâ€threonine kinase PIM3 is an aldosteroneâ€regulated protein in the distal nephron. Physiological Reports, 2019, 7, e14177.	0.7	3
10	Lack of Renal Tubular Glucocorticoid Receptor Decreases the Thiazide-Sensitive Na+/Clâ€" Cotransporter NCC and Transiently Affects Sodium Handling. Frontiers in Physiology, 2019, 10, 989.	1.3	8
11	Generation of a tetracyclineâ€inducible NKCC2 expressing MDCKI cell line. FASEB Journal, 2019, 33, 751.6.	0.2	0
12	The Role of Intercalated Cell Nedd4â€"2 in BP Regulation, Ion Transport, and Transporter Expression. Journal of the American Society of Nephrology: JASN, 2018, 29, 1706-1719.	3.0	21
13	Kir5.1 regulates Nedd4-2-mediated ubiquitination of Kir4.1 in distal nephron. American Journal of Physiology - Renal Physiology, 2018, 315, F986-F996.	1.3	27
14	Functional assessment of sodium chloride cotransporter NCC mutants in polarized mammalian epithelial cells. American Journal of Physiology - Renal Physiology, 2017, 313, F495-F504.	1.3	16
15	Renal Tubular Ubiquitin-Protein Ligase NEDD4-2 Is Required for Renal Adaptation during Long-Term Potassium Depletion. Journal of the American Society of Nephrology: JASN, 2017, 28, 2431-2442.	3.0	26
16	The thiazide sensitive sodium chloride co-transporter NCC is modulated by site-specific ubiquitylation. Scientific Reports, 2017, 7, 12981.	1.6	16
17	AQP2 Abundance is Regulated by the E3-Ligase CHIP Via HSP70. Cellular Physiology and Biochemistry, 2017, 44, 515-531.	1.1	28
18	Renal tubular SGK1 deficiency causes impaired K⁺ excretion via loss of regulation of NEDD4-2/WNK1 and ENaC. American Journal of Physiology - Renal Physiology, 2016, 311, F330-F342.	1.3	30

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19	Extracellular K⁺ rapidly controls NaCl cotransporter phosphorylation in the native distal convoluted tubule by Cl^{âˆ’}â€dependent and independent mechanisms. Journal of Physiology, 2016, 594, 6319-6331.	1.3	90
20	USP2-45 Is a Circadian Clock Output Effector Regulating Calcium Absorption at the Post-Translational Level. PLoS ONE, 2016, 11, e0145155.	1.1	25
21	NEDD4-2 and salt-sensitive hypertension. Current Opinion in Nephrology and Hypertension, 2015, 24, 111-116.	1.0	38
22	Alternatively spliced proline-rich cassettes link WNK1 to aldosterone action. Journal of Clinical Investigation, 2015, 125, 3433-3448.	3.9	58
23	The SGK1/NEDD4â€2 pathway is crucial in regulating renal potassium secretion. FASEB Journal, 2015, 29, 666.5.	0.2	0
24	Ubiquitylation and Control of Renal Na+ Balance and Blood Pressure. Physiology, 2014, 29, 16-26.	1.6	26
25	WNK3 abrogates the NEDD4-2-mediated inhibition of the renal Na⁺-Cl^{âˆ’}cotransporter. American Journal of Physiology - Renal Physiology, 2014, 307, F275-F286.	1.3	23
26	Mineralocorticoid Action in the Aldosterone Sensitive Distal Nephron. , 2013, , 1181-1211.		6
27	Genetic dissection of sodium and potassium transport along the aldosteroneâ€sensitive distal nephron: Importance in the control of blood pressure and hypertension. FEBS Letters, 2013, 587, 1929-1941.	1.3	60
28	Mice carrying ubiquitin-specific protease 2 (<i>Usp2</i>) gene inactivation maintain normal sodium balance and blood pressure. American Journal of Physiology - Renal Physiology, 2013, 305, F21-F30.	1.3	28
29	USP2-45 Represses Aldosterone Mediated Responses by Decreasing Mineralocorticoid Receptor Availability. Cellular Physiology and Biochemistry, 2013, 31, 462-472.	1.1	11
30	Renal tubular NEDD4-2 deficiency causes NCC-mediated salt-dependent hypertension. Journal of Clinical Investigation, 2013, 123, 657-65.	3.9	120
31	Inducible kidney-specific Sgk1 knockout mice show a salt-losing phenotype. American Journal of Physiology - Renal Physiology, 2012, 302, F977-F985.	1.3	80
32	Nedd4-2 and the Regulation of Epithelial Sodium Transport. Frontiers in Physiology, 2012, 3, 212.	1.3	73
33	Differential ubiquitylation of the mineralocorticoid receptor is regulated by phosphorylation. FASEB Journal, 2012, 26, 4373-4382.	0.2	41
34	Deubiquitylating enzyme USP2 counteracts Nedd4-2â€“mediated downregulation of KCNQ1 potassium channels. Heart Rhythm, 2012, 9, 440-448.	0.3	34
35	Loss of renal Nedd4â€2 in adult mice leads to PHAII compensated by ENaC downâ€regulation and ROMK upâ€regulation. FASEB Journal, 2012, 26, 1067.2.	0.2	0
36	WNK3 Prevents the Nedd4â€2 Inhibition of the Renal Naâ€Cl Cotransporter (NCC). FASEB Journal, 2012, 26, 867.34.	0.2	0

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37	Aldosterone Paradox: Differential Regulation of Ion Transport in Distal Nephron. Physiology, 2011, 26, 115-123.	1.6	111
38	Role of the ubiquitin system in regulating ion transport. Pflugers Archiv European Journal of Physiology, 2011, 461, 1-21.	1.3	92
39	Nedd4-2 Modulates Renal Na+-Clâˆ’ Cotransporter via the Aldosterone-SGK1-Nedd4-2 Pathway. Journal of the American Society of Nephrology: JASN, 2011, 22, 1707-1719.	3.0	144
40	Intracellular Ubiquitylation of the Epithelial Na+ Channel Controls Extracellular Proteolytic Channel Activation via Conformational Change. Journal of Biological Chemistry, 2011, 286, 2416-2424.	1.6	28
41	Ubiquitin-specific protease 2-45 (Usp2-45) binds to epithelial Na⁺ channel (ENaC)-ubiquitylating enzyme Nedd4-2. American Journal of Physiology - Renal Physiology, 2011, 301, F189-F196.	1.3	43
42	Stimulation of ENaC Activity by Rosiglitazone is PPARÎ³-Dependent and Correlates with SGK1 Expression Increase. Journal of Membrane Biology, 2010, 236, 259-270.	1.0	18
43	Mineralocorticoid receptor degradation is promoted by Hsp90 inhibition and the ubiquitin-protein ligase CHIP. American Journal of Physiology - Renal Physiology, 2010, 299, F1462-F1472.	1.3	48
44	Deubiquitylation Regulates Activation and Proteolytic Cleavage of ENaC. Journal of the American Society of Nephrology: JASN, 2008, 19, 2170-2180.	3.0	65
45	Vasopressin-inducible ubiquitin-specific protease 10 increases ENaC cell surface expression by deubiquitylating and stabilizing sorting nexin 3. American Journal of Physiology - Renal Physiology, 2008, 295, F889-F900.	1.3	62
46	Salt-sensitive hypertension and cardiac hypertrophy in mice deficient in the ubiquitin ligase Nedd4-2. American Journal of Physiology - Renal Physiology, 2008, 295, F462-F470.	1.3	136
47	Regulation of Nedd4-2 self-ubiquitination and stability by a PY motif located within its HECT-domain. Biochemical Journal, 2008, 415, 155-163.	1.7	87
48	Liddle's syndrome caused by a novel missense mutation (P617L) of the epithelial sodium channel Î² subunit. Journal of Hypertension, 2008, 26, 921-927.	0.3	24
49	The KCNQ1 potassium channel is down-regulated by ubiquitylating enzymes of the Nedd4/Nedd4-like family. Cardiovascular Research, 2007, 74, 64-74.	1.8	116
50	Early Aldosterone-Induced Gene Product Regulates the Epithelial Sodium Channel by Deubiquitylation. Journal of the American Society of Nephrology: JASN, 2007, 18, 1084-1092.	3.0	137
51	HECT E3s and human disease. BMC Biochemistry, 2007, 8, S6.	4.4	81
52	Nedd4l null mice are defective in downâ€regulating ENaC and have saltâ€sensitive hypertension. FASEB Journal, 2007, 21, A881.	0.2	0
53	Cardiac sodium channel Nav1.5 interacts with and is regulated by the protein tyrosine phosphatase PTPH1. Biochemical and Biophysical Research Communications, 2006, 348, 1455-1462.	1.0	75
54	Role of Ubiquitylation in Cellular Membrane Transport. Physiological Reviews, 2006, 86, 669-707.	13.1	193

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55	Dietary Sodium Intake Regulates the Ubiquitin-Protein Ligase Nedd4-2 in the Renal Collecting System. Journal of the American Society of Nephrology: JASN, 2006, 17, 1264-1274.	3.0	60
56	SGK KINASES AND THEIR ROLE IN EPITHELIAL TRANSPORT. Annual Review of Physiology, 2006, 68, 461-490.	5.6	134
57	Molecular determinants of voltage-gated sodium channel regulation by the Nedd4/Nedd4-like proteins. American Journal of Physiology - Cell Physiology, 2005, 288, C692-C701.	2.1	121
58	Aldosterone-Induced Serum and Glucocorticoid-Induced Kinase 1 Expression Is Accompanied by Nedd4-2 Phosphorylation and Increased Na+ Transport in Cortical Collecting Duct Cells. Journal of the American Society of Nephrology: JASN, 2005, 16, 2279-2287.	3.0	86
59	Impact of Nedd4 Proteins and Serum and Glucocorticoid-Induced Kinases on Epithelial Na+ Transport in the Distal Nephron: Figure 1.. Journal of the American Society of Nephrology: JASN, 2005, 16, 3167-3174.	3.0	60
60	Serum- and Glucocorticoid-Regulated Kinase 1 Regulates Ubiquitin Ligase Neural Precursor Cell-Expressed, Developmentally Down-Regulated Protein 4-2 by Inducing Interaction with 14-3-3. Molecular Endocrinology, 2005, 19, 3073-3084.	3.7	167
61	Ubiquitylation of Ion Channels. Physiology, 2005, 20, 398-407.	1.6	83
62	Ubiquitylation and Isgylation: Overlapping Enzymatic Cascades Do the Job. Science Signaling, 2004, 2004, pe43-pe43.	1.6	13
63	Cardiac Voltage-Gated Sodium Channel Na v 1.5 Is Regulated by Nedd4-2 Mediated Ubiquitination. Circulation Research, 2004, 95, 284-291.	2.0	196
64	Participation of the Ubiquitin-Conjugating Enzyme UBE2E3 in Nedd4-2-Dependent Regulation of the Epithelial Na + Channel. Molecular and Cellular Biology, 2004, 24, 2397-2409.	1.1	35
65	Nedd4.1-mediated ubiquitination and subsequent recruitment of Tsg101 ensure HTLV-1 Gag trafficking towards the multivesicular body pathway prior to virus budding. Journal of Cell Science, 2004, 117, 2357-2367.	1.2	133
66	A naturally occurring human Nedd4â€“2 variant displays impaired ENaC regulation in Xenopus laevis oocytes. American Journal of Physiology - Renal Physiology, 2004, 287, F550-F561.	1.3	35
67	Functional expression of the epithelial Ca2+ channels (TRPV5 and TRPV6) requires association of the S100A10-annexin 2 complex. EMBO Journal, 2003, 22, 1478-1487.	3.5	253
68	The role of Nedd4/Nedd4-like dependant ubiquitylation in epithelial transport processes. Pflugers Archiv European Journal of Physiology, 2003, 446, 334-338.	1.3	72
69	The Adaptor Complex 2 Directly Interacts with the Î±1b-Adrenergic Receptor and Plays a Role in Receptor Endocytosis. Journal of Biological Chemistry, 2003, 278, 19331-19340.	1.6	68
70	A tyrosine-based sorting signal is involved in connexin43 stability and gap junction turnover. Journal of Cell Science, 2003, 116, 2213-2222.	1.2	78
71	SGK1: Aldosterone-Induced Relay of Na⁺ Transport Regulation in Distal Kidney Nephron Cells. Cellular Physiology and Biochemistry, 2003, 13, 21-028.	1.1	123
72	Concerted action of ENaC, Nedd4â€“2, and Sgk1 in transepithelial Na⁺transport. American Journal of Physiology - Renal Physiology, 2002, 283, F377-F387.	1.3	168

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73	Distinct characteristics of two human Nedd4 proteins with respect to epithelial Na⁺channel regulation. American Journal of Physiology - Renal Physiology, 2001, 281, F469-F477.	1.3	118
74	A novel mouse Nedd4 protein suppresses the activity of the epithelial Na+channel. FASEB Journal, 2001, 15, 204-214.	0.2	268
75	Liddle's syndrome: A novel mouse Nedd4 isoform regulates the activity of the epithelial Na+ channel. Kidney International, 2001, 60, 466-471.	2.6	27
76	Regulation of the epithelial Na+ channel by Nedd4 and ubiquitination. Kidney International, 2000, 57, 809-815.	2.6	190
77	Endoplasmic Reticulum Quality Control of Oligomeric Membrane Proteins: Topogenic Determinants Involved in the Degradation of the Unassembled Na,K-ATPase Î± Subunit and in Its Stabilization by Î² Subunit Assembly. Molecular Biology of the Cell, 2000, 11, 1657-1672.	0.9	56
78	Regulation of the cardiac voltage-gated Na+ channel (H1) by the ubiquitin-protein ligase Nedd4. FEBS Letters, 2000, 466, 377-380.	1.3	105
79	mGrb10 Interacts with Nedd4. Journal of Biological Chemistry, 1999, 274, 24094-24099.	1.6	93
80	Defective regulation of the epithelial Na+ channel by Nedd4 in Liddle's syndrome. Journal of Clinical Investigation, 1999, 103, 667-673.	3.9	331
81	Relation between Î± , Î² , and Î³ Human Amilorideâ€“ Sensitive Epithelial Na+Channel mRNA Levels and Nasal Epithelial Potential Difference in Healthy Men. American Journal of Respiratory and Critical Care Medicine, 1998, 158, 1213-1220.	2.5	15
82	The C2 Domain of the Ubiquitin Protein Ligase Nedd4 Mediates Ca2+-dependent Plasma Membrane Localization. Journal of Biological Chemistry, 1997, 272, 32329-32336.	1.6	176
83	Regulation of ion transport by proteinâ€“protein interaction domains. Current Opinion in Nephrology and Hypertension, 1997, 6, 447-454.	1.0	19
84	WW domains. Structure, 1996, 4, 495-499.	1.6	90
85	HECT Ubiquitin-Protein Ligases in Human Disease. , 0, , 77-105.		0