

Olivier Staub

List of Publications by Year in descending order

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85
papers

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61984

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74163

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all docs

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docs citations

87
times ranked

4723
citing authors

#	ARTICLE	IF	CITATIONS
1	Does the early aldosterone-induced SGK1 play a role in early Kaliuresis?. <i>Physiological Reports</i> , 2022, 10, e15188.	1.7	3
2	Mineralocorticoid Receptor Antagonists Cause Natriuresis in the Absence of Aldosterone. <i>Hypertension</i> , 2022, 79, 1423-1434.	2.7	18
3	SIRT7 modulates the stability and activity of the renal K ⁺ Cl ⁻ cotransporter KCC4 through deacetylation. <i>EMBO Reports</i> , 2021, 22, e50766.	4.5	11
4	Function and Regulation of the Epithelial Na ⁺ Channel ENaC. <i>Physiological Reviews</i> , 2021, 11, 2017-2045.		36
5	Expression of claudin-8 is induced by aldosterone in renal collecting duct principal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F645-F655.	2.7	3
6	Renal Tubule Nedd4-2 Deficiency Stimulates Kir4.1/Kir5.1 and Thiazide-Sensitive NaCl Cotransporter in Distal Convuluted Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1226-1242.	6.1	18
7	Mutation affecting the conserved acidic WNK1 motif causes inherited hyperkalemic hyperchloremic acidosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 6379-6394.	8.2	32
8	Mg ²⁺ restriction downregulates NCC through NEDD4-2 and prevents its activation by hypokalemia. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F825-F838.	2.7	15
9	The serine-threonine kinase PIM3 is an aldosterone-regulated protein in the distal nephron. <i>Physiological Reports</i> , 2019, 7, e14177.	1.7	3
10	Lack of Renal Tubular Glucocorticoid Receptor Decreases the Thiazide-Sensitive Na ⁺ /Cl ⁻ Cotransporter NCC and Transiently Affects Sodium Handling. <i>Frontiers in Physiology</i> , 2019, 10, 989.	2.8	8
11	Generation of a tetracycline-inducible NKCC2 expressing MDCKI cell line. <i>FASEB Journal</i> , 2019, 33, 751.6.	0.5	0
12	The Role of Intercalated Cell Nedd4 ² in BP Regulation, Ion Transport, and Transporter Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1706-1719.	6.1	21
13	Kir5.1 regulates Nedd4-2-mediated ubiquitination of Kir4.1 in distal nephron. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F986-F996.	2.7	27
14	Functional assessment of sodium chloride cotransporter NCC mutants in polarized mammalian epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F495-F504.	2.7	16
15	Renal Tubular Ubiquitin-Protein Ligase NEDD4-2 Is Required for Renal Adaptation during Long-Term Potassium Depletion. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2431-2442.	6.1	26
16	The thiazide sensitive sodium chloride co-transporter NCC is modulated by site-specific ubiquitylation. <i>Scientific Reports</i> , 2017, 7, 12981.	3.3	16
17	AQP2 Abundance is Regulated by the E3-Ligase CHIP Via HSP70. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 515-531.	1.6	28
18	Renal tubular SGK1 deficiency causes impaired K ⁺ excretion via loss of regulation of NEDD4-2/WNK1 and ENaC. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F330-F342.	2.7	30

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19	Extracellular K ⁺ rapidly controls NaCl cotransporter phosphorylation in the native distal convoluted tubule by Cl ⁻ -dependent and independent mechanisms. <i>Journal of Physiology</i> , 2016, 594, 6319-6331.	2.9	90
20	USP2-45 Is a Circadian Clock Output Effector Regulating Calcium Absorption at the Post-Translational Level. <i>PLoS ONE</i> , 2016, 11, e0145155.	2.5	25
21	NEDD4-2 and salt-sensitive hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2015, 24, 111-116.	2.0	38
22	Alternatively spliced proline-rich cassettes link WNK1 to aldosterone action. <i>Journal of Clinical Investigation</i> , 2015, 125, 3433-3448.	8.2	58
23	The SGK1/NEDD4 ² pathway is crucial in regulating renal potassium secretion. <i>FASEB Journal</i> , 2015, 29, 666.5.	0.5	0
24	Ubiquitylation and Control of Renal Na ⁺ Balance and Blood Pressure. <i>Physiology</i> , 2014, 29, 16-26.	3.1	26
25	WNK3 abrogates the NEDD4-2-mediated inhibition of the renal Na ⁺ -Cl ⁻ cotransporter. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F275-F286.	2.7	23
26	Mineralocorticoid Action in the Aldosterone Sensitive Distal Nephron. , 2013, , 1181-1211.		6
27	Genetic dissection of sodium and potassium transport along the aldosterone-sensitive distal nephron: Importance in the control of blood pressure and hypertension. <i>FEBS Letters</i> , 2013, 587, 1929-1941.	2.8	60
28	Mice carrying ubiquitin-specific protease 2 (<i>Usp2</i>) gene inactivation maintain normal sodium balance and blood pressure. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F21-F30.	2.7	28
29	USP2-45 Represses Aldosterone Mediated Responses by Decreasing Mineralocorticoid Receptor Availability. <i>Cellular Physiology and Biochemistry</i> , 2013, 31, 462-472.	1.6	11
30	Renal tubular NEDD4-2 deficiency causes NCC-mediated salt-dependent hypertension. <i>Journal of Clinical Investigation</i> , 2013, 123, 657-65.	8.2	120
31	Inducible kidney-specific Sgk1 knockout mice show a salt-losing phenotype. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F977-F985.	2.7	80
32	Nedd4-2 and the Regulation of Epithelial Sodium Transport. <i>Frontiers in Physiology</i> , 2012, 3, 212.	2.8	73
33	Differential ubiquitylation of the mineralocorticoid receptor is regulated by phosphorylation. <i>FASEB Journal</i> , 2012, 26, 4373-4382.	0.5	41
34	Deubiquitylating enzyme USP2 counteracts Nedd4-2-mediated downregulation of KCNQ1 potassium channels. <i>Heart Rhythm</i> , 2012, 9, 440-448.	0.7	34
35	Loss of renal Nedd4 ² in adult mice leads to PHaII compensated by ENaC downregulation and ROMK upregulation. <i>FASEB Journal</i> , 2012, 26, 1067.2.	0.5	0
36	WNK3 Prevents the Nedd4 ² Inhibition of the Renal Na ⁺ Cl ⁻ Cotransporter (NCC). <i>FASEB Journal</i> , 2012, 26, 867.34.	0.5	0

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37	Aldosterone Paradox: Differential Regulation of Ion Transport in Distal Nephron. <i>Physiology</i> , 2011, 26, 115-123.	3.1	111
38	Role of the ubiquitin system in regulating ion transport. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 461, 1-21.	2.8	92
39	Nedd4-2 Modulates Renal Na ⁺ -Cl ⁻ Cotransporter via the Aldosterone-SGK1-Nedd4-2 Pathway. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1707-1719.	6.1	144
40	Intracellular Ubiquitylation of the Epithelial Na ⁺ Channel Controls Extracellular Proteolytic Channel Activation via Conformational Change. <i>Journal of Biological Chemistry</i> , 2011, 286, 2416-2424.	3.4	28
41	Ubiquitin-specific protease 2-45 (Usp2-45) binds to epithelial Na ⁺ channel (ENaC)-ubiquitylating enzyme Nedd4-2. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F189-F196.	2.7	43
42	Stimulation of ENaC Activity by Rosiglitazone is PPAR γ -Dependent and Correlates with SGK1 Expression Increase. <i>Journal of Membrane Biology</i> , 2010, 236, 259-270.	2.1	18
43	Mineralocorticoid receptor degradation is promoted by Hsp90 inhibition and the ubiquitin-protein ligase CHIP. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F1462-F1472.	2.7	48
44	Deubiquitylation Regulates Activation and Proteolytic Cleavage of ENaC. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 2170-2180.	6.1	65
45	Vasopressin-inducible ubiquitin-specific protease 10 increases ENaC cell surface expression by deubiquitylating and stabilizing sorting nexin 3. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F889-F900.	2.7	62
46	Salt-sensitive hypertension and cardiac hypertrophy in mice deficient in the ubiquitin ligase Nedd4-2. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F462-F470.	2.7	136
47	Regulation of Nedd4-2 self-ubiquitination and stability by a PY motif located within its HECT-domain. <i>Biochemical Journal</i> , 2008, 415, 155-163.	3.7	87
48	Liddle's syndrome caused by a novel missense mutation (P617L) of the epithelial sodium channel β subunit. <i>Journal of Hypertension</i> , 2008, 26, 921-927.	0.5	24
49	The KCNQ1 potassium channel is down-regulated by ubiquitylating enzymes of the Nedd4/Nedd4-like family. <i>Cardiovascular Research</i> , 2007, 74, 64-74.	3.8	116
50	Early Aldosterone-Induced Gene Product Regulates the Epithelial Sodium Channel by Deubiquitylation. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 1084-1092.	6.1	137
51	HECT E3s and human disease. <i>BMC Biochemistry</i> , 2007, 8, S6.	4.4	81
52	Nedd4l null mice are defective in down-regulating ENaC and have salt-sensitive hypertension. <i>FASEB Journal</i> , 2007, 21, A881.	0.5	0
53	Cardiac sodium channel Nav1.5 interacts with and is regulated by the protein tyrosine phosphatase PTPH1. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1455-1462.	2.1	75
54	Role of Ubiquitylation in Cellular Membrane Transport. <i>Physiological Reviews</i> , 2006, 86, 669-707.	28.8	193

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55	Dietary Sodium Intake Regulates the Ubiquitin-Protein Ligase Nedd4-2 in the Renal Collecting System. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 1264-1274.	6.1	60
56	SGK KINASES AND THEIR ROLE IN EPITHELIAL TRANSPORT. <i>Annual Review of Physiology</i> , 2006, 68, 461-490.	13.1	134
57	Molecular determinants of voltage-gated sodium channel regulation by the Nedd4/Nedd4-like proteins. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C692-C701.	4.6	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. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2279-2287.	6.1	86
59	Impact of Nedd4 Proteins and Serum and Glucocorticoid-Induced Kinases on Epithelial Na ⁺ Transport in the Distal Nephron. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 3167-3174.	6.1	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. <i>Molecular Endocrinology</i> , 2005, 19, 3073-3084.	3.7	167
61	Ubiquitylation of Ion Channels. <i>Physiology</i> , 2005, 20, 398-407.	3.1	83
62	Ubiquitylation and Isgylation: Overlapping Enzymatic Cascades Do the Job. <i>Science Signaling</i> , 2004, 2004, pe43.	3.6	13
63	Cardiac Voltage-Gated Sodium Channel Na ^v 1.5 Is Regulated by Nedd4-2 Mediated Ubiquitination. <i>Circulation Research</i> , 2004, 95, 284-291.	4.5	196
64	Participation of the Ubiquitin-Conjugating Enzyme UBE2E3 in Nedd4-2-Dependent Regulation of the Epithelial Na ⁺ Channel. <i>Molecular and Cellular Biology</i> , 2004, 24, 2397-2409.	2.3	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. <i>Journal of Cell Science</i> , 2004, 117, 2357-2367.	2.0	133
66	A naturally occurring human Nedd4 ^Δ 2 variant displays impaired ENaC regulation in <i>Xenopus laevis</i> oocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F550-F561.	2.7	35
67	Functional expression of the epithelial Ca ²⁺ channels (TRPV5 and TRPV6) requires association of the S100A10-annexin 2 complex. <i>EMBO Journal</i> , 2003, 22, 1478-1487.	7.8	253
68	The role of Nedd4/Nedd4-like dependant ubiquitylation in epithelial transport processes. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 334-338.	2.8	72
69	The Adaptor Complex 2 Directly Interacts with the β 1b-Adrenergic Receptor and Plays a Role in Receptor Endocytosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 19331-19340.	3.4	68
70	A tyrosine-based sorting signal is involved in connexin43 stability and gap junction turnover. <i>Journal of Cell Science</i> , 2003, 116, 2213-2222.	2.0	78
71	SGK1: Aldosterone-Induced Relay of Na ⁺ Transport Regulation in Distal Kidney Nephron Cells. <i>Cellular Physiology and Biochemistry</i> , 2003, 13, 21-028.	1.6	123
72	Concerted action of ENaC, Nedd4 ^Δ 2, and Sgk1 in transepithelial Na ⁺ transport. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F377-F387.	2.7	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.	2.7	118
74	A novel mouse Nedd4 protein suppresses the activity of the epithelial Na ⁺ channel. FASEB Journal, 2001, 15, 204-214.	0.5	268
75	Liddle's syndrome: A novel mouse Nedd4 isoform regulates the activity of the epithelial Na ⁺ channel. Kidney International, 2001, 60, 466-471.	5.2	27
76	Regulation of the epithelial Na ⁺ channel by Nedd4 and ubiquitination. Kidney International, 2000, 57, 809-815.	5.2	190
77	Endoplasmic Reticulum Quality Control of Oligomeric Membrane Proteins: Topogenic Determinants Involved in the Degradation of the Unassembled Na,K-ATPase α Subunit and in Its Stabilization by β Subunit Assembly. Molecular Biology of the Cell, 2000, 11, 1657-1672.	2.1	56
78	Regulation of the cardiac voltage-gated Na ⁺ channel (H1) by the ubiquitin-protein ligase Nedd4. FEBS Letters, 2000, 466, 377-380.	2.8	105
79	mGrb10 Interacts with Nedd4. Journal of Biological Chemistry, 1999, 274, 24094-24099.	3.4	93
80	Defective regulation of the epithelial Na ⁺ channel by Nedd4 in Liddle's syndrome. Journal of Clinical Investigation, 1999, 103, 667-673.	8.2	331
81	Relation between α , β , and γ Human Amiloride 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.	5.6	15
82	The C2 Domain of the Ubiquitin Protein Ligase Nedd4 Mediates Ca ²⁺ -dependent Plasma Membrane Localization. Journal of Biological Chemistry, 1997, 272, 32329-32336.	3.4	176
83	Regulation of ion transport by protein-protein interaction domains. Current Opinion in Nephrology and Hypertension, 1997, 6, 447-454.	2.0	19
84	WW domains. Structure, 1996, 4, 495-499.	3.3	90
85	HECT Ubiquitin-Protein Ligases in Human Disease. , 0, , 77-105.		0