Jens Titze

List of Publications by Year
in descending order

59 papers	5,466 citations	117453 34 h-index	143772 57 g-index
59 all docs	59 docs citations	59 times ranked	4391 citing authors

#	Article	IF	Citations
1	Hepatocellular carcinoma induces body mass loss in parallel with osmolyte and water retention in rats. Life Sciences, 2022, 289, 120192.	2.0	2
2	Tolvaptan induces body fluid loss and subsequent water conservation in normal rats. Journal of Pharmacological Sciences, 2022, 149, 115-123.	1.1	2
3	Epicutaneous Application of Imiquimod to Model Psoriasis-Like Skin Disease Induces Water-Saving Aestivation Motifs and Vascular Inflammation. Journal of Investigative Dermatology, 2022, 142, 3117-3120.e2.	0.3	4
4	Low-Salt Diet Reduces Anti-CTLA4 Mediated Systemic Immune-Related Adverse Events while Retaining Therapeutic Efficacy against Breast Cancer. Biology, 2022, 11, 810.	1.3	2
5	Organ protection by SGLT2 inhibitors: role of metabolic energy and water conservation. Nature Reviews Nephrology, 2021, 17, 65-77.	4.1	86
6	Dexamethasone induces sodium and water loss in skin. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2021, 94, 2-O-D3-4.	0.0	0
7	Dietary Salt Accelerates Orthodontic Tooth Movement by Increased Osteoclast Activity. International Journal of Molecular Sciences, 2021, 22, 596.	1.8	4
8	<i>Aestivation</i>motifs explain hypertension and muscle mass loss in mice with psoriatic skin barrier defect. Acta Physiologica, 2021, 232, e13628.	1.8	39
9	Adaptive physiological water conservation explains hypertension and muscle catabolism in experimental chronic renal failure. Acta Physiologica, 2021, 232, e13629.	1.8	36
10	Ex Vivo High Salt Activated Tumor-Primed CD4+T Lymphocytes Exert a Potent Anti-Cancer Response. Cancers, 2021, 13, 1690.	1.7	5
11	Tissue sodium stores in peritoneal dialysis and hemodialysis patients determined by sodium-23 magnetic resonance imaging. Nephrology Dialysis Transplantation, 2021, 36, 1307-1317.	0.4	27
12	The Contribution of Plasma Urea to Total Osmolality During Iatrogenic Fluid Reduction in Critically Ill Patients. Function, 2021, 3, zqab055.	1.1	4
13	Low-Salt Diet Attenuates B-Cell- and Myeloid-Cell-Driven Experimental Arthritides by Affecting Innate as Well as Adaptive Immune Mechanisms. Frontiers in Immunology, 2021, 12, 765741.	2.2	5
14	NCX1 represents an ionic Na+ sensing mechanism in macrophages. PLoS Biology, 2020, 18, e3000722.	2.6	22
15	Sodium Handling and Interaction in Numerous Organs. American Journal of Hypertension, 2020, 33, 687-694.	1.0	20
16	Renal sympathetic nerve activity regulates cardiovascular energy expenditure in rats fed high salt. Hypertension Research, 2020, 43, 482-491.	1.5	23
17	Sodium and water handling during hemodialysis: new pathophysiologic insights and management approaches for improving outcomes in end-stage kidney disease. Kidney International, 2019, 95, 296-309.	2.6	44
18	The Impact of Hyperosmolality on Activation and Differentiation of B Lymphoid Cells. Frontiers in Immunology, 2019, 10, 828.	2.2	14

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19	HIF1A and NFAT5 coordinate Na⁺-boosted antibacterial defense via enhanced autophagy and autolysosomal targeting. Autophagy, 2019, 15, 1899-1916.	4.3	39
20	Osteoprotective action of low-salt diet requires myeloid cellâ€“derived NFAT5. JCI Insight, 2019, 4, .	2.3	16
21	Elevated tissue sodium deposition in patients with type 2 diabetes on hemodialysis detected by 23Na magnetic resonance imaging. Kidney International, 2018, 93, 1191-1197.	2.6	82
22	Impact of renal denervation on tissue Na+ content in treatment-resistant hypertension. Clinical Research in Cardiology, 2018, 107, 42-48.	1.5	17
23	Elementary immunology: Na+ as a regulator of immunity. Pediatric Nephrology, 2017, 32, 201-210.	0.9	55
24	Speculations on salt and the genesis of arterial hypertension. Kidney International, 2017, 91, 1324-1335.	2.6	63
25	High salt intake reprioritizes osmolyte and energy metabolism for body fluid conservation. Journal of Clinical Investigation, 2017, 127, 1944-1959.	3.9	153
26	Salt Sensitivity of Angiogenesis Inhibitionâ€“Induced Blood Pressure Rise. Hypertension, 2017, 69, 919-926.	1.3	42
27	Increased salt consumption induces body water conservation and decreases fluid intake. Journal of Clinical Investigation, 2017, 127, 1932-1943.	3.9	114
28	Cutaneous control of blood pressure. Current Opinion in Nephrology and Hypertension, 2016, 25, 11-15.	1.0	29
29	Ultra-longâ€“term human salt balance studies reveal interrelations between sodium, potassium, and chloride intake and excretion. American Journal of Clinical Nutrition, 2016, 104, 49-57.	2.2	78
30	Balancing wobbles in the body sodium. Nephrology Dialysis Transplantation, 2016, 31, 1078-1081.	0.4	36
31	Skin sodium measured with ²³Na MRI at 7.0 T. NMR in Biomedicine, 2015, 28, 54-62.	1.6	74
32	Effects of dietary salt levels on monocytic cells and immune responses in healthy human subjects: a longitudinal study. Translational Research, 2015, 166, 103-110.	2.2	142
33	Cutaneous Na+ Storage Strengthens the Antimicrobial Barrier Function of the Skin and Boosts Macrophage-Driven Host Defense. Cell Metabolism, 2015, 21, 493-501.	7.2	252
34	Tissue sodium storage: evidence for kidney-like extrarenal countercurrent systems?. Pflugers Archiv European Journal of Physiology, 2015, 467, 551-558.	1.3	60
35	A different view on sodium balance. Current Opinion in Nephrology and Hypertension, 2015, 24, 14-20.	1.0	61
36	Agreement Between 24-Hour Salt Ingestion and Sodium Excretion in a Controlled Environment. Hypertension, 2015, 66, 850-857.	1.3	176

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37	Dietary Sodium Intake and Risk of Cardiovascular Disease. JAMA Internal Medicine, 2015, 175, 1578.	2.6	3
38	High salt reduces the activation of IL-4â€“ and IL-13â€“stimulated macrophages. Journal of Clinical Investigation, 2015, 125, 4223-4238.	3.9	229
39	Macrophages in homeostatic immune function. Frontiers in Physiology, 2014, 5, 146.	1.3	58
40	Taking Another â€œLookâ€•at Sodium. Canadian Journal of Cardiology, 2014, 30, 473-475.	0.8	20
41	Sodium balance is not just a renal affair. Current Opinion in Nephrology and Hypertension, 2014, 23, 101-105.	1.0	102
42	Spooky sodium balance. Kidney International, 2014, 85, 759-767.	2.6	127
43	²³ Na Magnetic Resonance Imaging-Determined Tissue Sodium in Healthy Subjects and Hypertensive Patients. Hypertension, 2013, 61, 635-640.	1.3	332
44	Long-Term Space Flight Simulation Reveals Infradian Rhythmicity in Human Na+ Balance. Cell Metabolism, 2013, 17, 125-131.	7.2	294
45	Immune cells control skin lymphatic electrolyte homeostasis and blood pressure. Journal of Clinical Investigation, 2013, 123, 2803-2815.	3.9	338
46	Sodium sensing in the interstitium and relationship to hypertension. Current Opinion in Nephrology and Hypertension, 2010, 19, 385-392.	1.0	107
47	Mononuclear Phagocyte System Depletion Blocks Interstitial Tonicity-Responsive Enhancer Binding Protein/Vascular Endothelial Growth Factor C Expression and Induces Salt-Sensitive Hypertension in Rats. Hypertension, 2010, 55, 755-761.	1.3	174
48	Macrophages regulate salt-dependent volume and blood pressure by a vascular endothelial growth factor-Câ€“dependent buffering mechanism. Nature Medicine, 2009, 15, 545-552.	15.2	835
49	Sodium-, potassium-, chloride-, and bicarbonate-related effects on blood pressure and electrolyte homeostasis in deoxycorticosterone acetate-treated rats. American Journal of Physiology - Renal Physiology, 2008, 295, F1752-F1763.	1.3	67
50	Water-Free Na⁺ Retention: Interaction with Hypertension and Tissue Hydration. Blood Purification, 2008, 26, 95-99.	0.9	30
51	Mobilization of osmotically inactive Na+ by growth and by dietary salt restriction in rats. American Journal of Physiology - Renal Physiology, 2007, 292, F1490-F1500.	1.3	102
52	Extrarenal Na + Balance, Volume, and Blood Pressure Homeostasis in Intact and Ovariectomized Deoxycorticosterone-Acetate Salt Rats. Hypertension, 2006, 47, 1101-1107.	1.3	54
53	Internal sodium balance in DOCA-salt rats: a body composition study. American Journal of Physiology - Renal Physiology, 2005, 289, F793-F802.	1.3	114
54	Glycosaminoglycan polymerization may enable osmotically inactive Na+ storage in the skin. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H203-H208.	1.5	280

#	ARTICLE	IF	CITATIONS
55	Hypertension, sodium retention, calcium excretion and osteopenia in Dahl rats. Journal of Hypertension, 2004, 22, 803-810.	0.3	25
56	Diarrhea, nephrotic syndrome and hidradenitis suppurativa: an unusual case. Nephrology Dialysis Transplantation, 2003, 18, 192-194.	0.4	15
57	Osmotically inactive skin Na⁺storage in rats. American Journal of Physiology - Renal Physiology, 2003, 285, F1108-F1117.	1.3	217
58	Reduced osmotically inactive Na storage capacity and hypertension in the Dahl model. American Journal of Physiology - Renal Physiology, 2002, 283, F134-F141.	1.3	113
59	Sodium First Approach, to Reset Our Mind for Improving Management of Sodium, Water, Volume and Pressure in Hemodialysis Patients, and to Reduce Cardiovascular Burden and Improve Outcomes. , 0, 2, .		2