

Marc P Maillard

List of Publications by Year in descending order

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86
papers

4,828
citations

126907

33
h-index

102487

66
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86
all docs

86
docs citations

86
times ranked

10906
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014, 46, 1173-1186.	21.4	1,818
2	Nighttime Blood Pressure and Nocturnal Dipping Are Associated With Daytime Urinary Sodium Excretion in African Subjects. <i>Hypertension</i> , 2008, 51, 891-898.	2.7	153
3	The Circadian Clock Modulates Renal Sodium Handling. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1019-1026.	6.1	121
4	Renal tubular NEDD4-2 deficiency causes NCC-mediated salt-dependent hypertension. <i>Journal of Clinical Investigation</i> , 2013, 123, 657-65.	8.2	120
5	Marked Association Between Obesity and Glomerular Hyperfiltration: A Cross-sectional Study in an African Population. <i>American Journal of Kidney Diseases</i> , 2010, 56, 303-312.	1.9	118
6	Proximal Sodium Reabsorption. <i>Hypertension</i> , 2000, 36, 631-637.	2.7	106
7	Local Renal Circadian Clocks Control Fluid Electrolyte Homeostasis and BP. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1430-1439.	6.1	104
8	Angiotensin II Receptor Blockade in Normotensive Subjects. <i>Hypertension</i> , 1999, 33, 850-855.	2.7	102
9	Sodium and Potassium Balance Depends on ENaC Expression in Connecting Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1942-1951.	6.1	88
10	Comparative angiotensin II receptor blockade in healthy volunteers: The importance of dosing. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 71, 68-76.	4.7	84
11	Nephron-Specific Deletion of Circadian Clock Gene <i>Bmal1</i> Alters the Plasma and Renal Metabolome and Impairs Drug Disposition. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2997-3004.	6.1	82
12	Inducible kidney-specific <i>Sgk1</i> knockout mice show a salt-losing phenotype. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F977-F985.	2.7	80
13	In Vitro and in Vivo Characterization of the Activity of Telmisartan: An Insurmountable Angiotensin II Receptor Antagonist. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 1089-1095.	2.5	76
14	Renal perfusion evaluation with contrast-enhanced ultrasonography. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 674-681.	0.7	73
15	Effect of Sodium Loading/Depletion on Renal Oxygenation in Young Normotensive and Hypertensive Men. <i>Hypertension</i> , 2010, 55, 1116-1122.	2.7	69
16	Colon-Specific Deletion of Epithelial Sodium Channel Causes Sodium Loss and Aldosterone Resistance. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1453-1464.	6.1	62
17	Short-Term Increase in Particulate Matter Blunts Nocturnal Blood Pressure Dipping and Daytime Urinary Sodium Excretion. <i>Hypertension</i> , 2012, 60, 1061-1069.	2.7	61
18	CYP3A5 and ABCB1 Genes Influence Blood Pressure and Response to Treatment, and Their Effect Is Modified by Salt. <i>Hypertension</i> , 2007, 49, 1007-1014.	2.7	59

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19	Cardiac hypertrophy, low blood pressure, and low aldosterone levels in mice devoid of the three circadian PAR bZip transcription factors DBP, HLF, and TEF. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1013-R1019.	1.8	59
20	Independent Relations of Left Ventricular Structure With the 24-Hour Urinary Excretion of Sodium and Aldosterone. <i>Hypertension</i> , 2009, 54, 489-495.	2.7	58
21	Acute and Chronic Effects of SGLT2 Inhibitor Empagliflozin on Renal Oxygenation and Blood Pressure Control in Nondiabetic Normotensive Subjects: A Randomized, Placebo-Controlled Trial. <i>Journal of the American Heart Association</i> , 2020, 9, e016173.	3.7	57
22	Caffeine intake and CYP1A2 variants associated with high caffeine intake protect non-smokers from hypertension. <i>Human Molecular Genetics</i> , 2012, 21, 3283-3292.	2.9	55
23	Diverging effects of enalapril or eplerenone in primary prevention against doxorubicin-induced cardiotoxicity. <i>Cardiovascular Research</i> , 2018, 114, 272-281.	3.8	55
24	Blood Pressure and Renal Sodium Handling in Relation to Genetic Variation in the <i>DRD1</i> Promoter and <i>GRK4</i> . <i>Hypertension</i> , 2008, 51, 1643-1650.	2.7	54
25	Ethnic differences in proximal and distal tubular sodium reabsorption are heritable in black and white populations. <i>Journal of Hypertension</i> , 2009, 27, 606-612.	0.5	54
26	Glomerular hyperfiltration and increased proximal sodium reabsorption in subjects with type 2 diabetes or impaired fasting glucose in a population of the African region. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2225-2231.	0.7	51
27	Relationships among endogenous ouabain, β -adducin polymorphisms and renal sodium handling in primary hypertension. <i>Journal of Hypertension</i> , 2008, 26, 914-920.	0.5	48
28	Association of CYP3A5 genotypes with blood pressure and renal function in African families. <i>Journal of Hypertension</i> , 2006, 24, 923-929.	0.5	44
29	Renal Sodium Handling and Nighttime Blood Pressure. <i>Seminars in Nephrology</i> , 2007, 27, 565-571.	1.6	43
30	The Glucocorticoid-Induced Leucine Zipper (Gilz/Tsc22d3-2) Gene Locus Plays a Crucial Role in Male Fertility. <i>Molecular Endocrinology</i> , 2012, 26, 1000-1013.	3.7	42
31	Blockade of the renin-angiotensin system and renal tissue oxygenation as measured with BOLD-MRI in patients with type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2013, 99, 136-144.	2.8	38
32	Inhibition of vascular calcification by inositol phosphates derivatized with ethylene glycol oligomers. <i>Nature Communications</i> , 2020, 11, 721.	12.8	38
33	Severe Salt-Losing Syndrome and Hyperkalemia Induced by Adult Nephron-Specific Knockout of the Epithelial Sodium Channel β -Subunit. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2309-2318.	6.1	36
34	Calcium-sensing receptors modulate renin release in vivo and in vitro in the rat. <i>Journal of Hypertension</i> , 2009, 27, 1980-1987.	0.5	34
35	PA21, a New Iron-Based Noncalcium Phosphate Binder, Prevents Vascular Calcification in Chronic Renal Failure Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 281-289.	2.5	34
36	Dietary sodium induces a redistribution of the tubular metabolic workload. <i>Journal of Physiology</i> , 2017, 595, 6905-6922.	2.9	34

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37	Adult nephron-specific MR-deficient mice develop a severe renal PHA-1 phenotype. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 895-908.	2.8	33
38	Comparative cardiovascular safety of traditional nonsteroidal anti-inflammatory drugs. <i>Expert Opinion on Drug Safety</i> , 2006, 5, 83-94.	2.4	30
39	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
40	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
41	Effects of SuCroferric Oxyhydroxide Compared to Lanthanum Carbonate and Sevelamer Carbonate on Phosphate Homeostasis and Vascular Calcifications in a Rat Model of Chronic Kidney Failure. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	27
42	Proximal tubular function and salt sensitivity. <i>Current Hypertension Reports</i> , 2006, 8, 8-15.	3.5	26
43	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
44	The intrinsic circadian clock in podocytes controls glomerular filtration rate. <i>Scientific Reports</i> , 2019, 9, 16089.	3.3	26
45	Regulation of plasma volume in male lowlanders during 4 days of exposure to hypobaric hypoxia equivalent to 3500 m altitude. <i>Journal of Physiology</i> , 2021, 599, 1083-1096.	2.9	24
46	Plasma Potassium Determines NCC Abundance in Adult Kidney-Specific β ENaC Knockout. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 977-990.	6.1	23
47	Association Between Arterial Properties and Renal Sodium Handling in a General Population. <i>Hypertension</i> , 2006, 48, 609-615.	2.7	22
48	Epithelial Sodium Channel-Mediated Sodium Transport Is Not Dependent on the Membrane-Bound Serine Protease CAP2/Tmprss4. <i>PLoS ONE</i> , 2015, 10, e0135224.	2.5	20
49	Short-term changes in dietary sodium intake influence sweat sodium concentration and muscle sodium content in healthy individuals. <i>Journal of Hypertension</i> , 2020, 38, 159-166.	0.5	20
50	Severe hyperkalemia is rescued by low-potassium diet in renal β ENaC-deficient mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 1387-1399.	2.8	19
51	The PPAR β agonist pioglitazone modifies the vascular sodium-angiotensin II relationship in insulin-resistant rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E1228-E1234.	3.5	17
52	Renal sodium handling in patients with normal pressure glaucoma. <i>Clinical Science</i> , 2007, 112, 337-344.	4.3	16
53	Conditional gene targeting of the ENaC subunit genes <i>Scnn1b</i> and <i>Scnn1g</i> . <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F249-F256.	2.7	15
54	Effect of dark chocolate on renal tissue oxygenation as measured by BOLD-MRI in healthy volunteers. <i>Clinical Nephrology</i> , 2013, 80, 211-217.	0.7	15

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55	Association of ABCB1 genetic variants with renal function in Africans and in Caucasians. BMC Medical Genomics, 2008, 1, 21.	1.5	14
56	Patient adherence and the choice of antihypertensive drugs: focus on lercanidipine. Vascular Health and Risk Management, 2008, Volume 4, 1159-1166.	2.3	14
57	Combining blockers of the renin-angiotensin system or increasing the dose of an angiotensin II receptor antagonist in proteinuric patients: a randomized triple-crossover study. Journal of Hypertension, 2011, 29, 1228-1235.	0.5	14
58	Effects of the Dual Endothelin Receptor Antagonist Aprocitentan on Body Weight and Fluid Homeostasis in Healthy Subjects on a High Sodium Diet. Clinical Pharmacology and Therapeutics, 2021, 109, 746-753.	4.7	14
59	Estimation of glomerular filtration rate in hospitalised patients: are we overestimating renal function?. Swiss Medical Weekly, 2012, 142, w13708.	1.6	13
60	Association Between White-Coat Effect and Blunted Dipping of Nocturnal Blood Pressure. American Journal of Hypertension, 2009, 22, 1054-1061.	2.0	12
61	Comparative vascular and renal tubular effects of angiotensin II receptor blockers combined with a thiazide diuretic in humans. Journal of Hypertension, 2010, 28, 520-526.	0.5	12
62	Comparative Effect of a Renin Inhibitor and a Thiazide Diuretic on Renal Tissue Oxygenation in Hypertensive Patients. Kidney and Blood Pressure Research, 2015, 40, 542-554.	2.0	10
63	Furosemide stimulation of parathormone in humans: role of the calcium-sensing receptor and the renin-angiotensin system. Pflugers Archiv European Journal of Physiology, 2015, 467, 2413-2421.	2.8	10
64	Impact of salt on cardiac differential gene expression and coronary lesion in normotensive mineralocorticoid-treated mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1025-R1033.	1.8	9
65	The effect of pH-neutral peritoneal dialysis fluids on adipokine secretion from cultured adipocytes. Nephrology Dialysis Transplantation, 2007, 22, 862-869.	0.7	8
66	Lack of Renal Tubular Glucocorticoid Receptor Decreases the Thiazide-Sensitive Na ⁺ /Cl ⁻ Cotransporter NCC and Transiently Affects Sodium Handling. Frontiers in Physiology, 2019, 10, 989.	2.8	8
67	Twenty-Four Hour Blood Pressure Response to Empagliflozin and Its Determinants in Normotensive Non-diabetic Subjects. Frontiers in Cardiovascular Medicine, 2022, 9, 854230.	2.4	8
68	Does protein binding modulate the effect of angiotensin II receptor antagonists?. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2001, 2, S54-S58.	1.7	7
69	Time-course of sodium transport along the nephron in nephrotic syndrome: The role of potassium. FASEB Journal, 2020, 34, 2408-2424.	0.5	7
70	Blood Pressure and Renal Responses to Orthostatic Stress Before and After Radiofrequency Renal Denervation in Patients with Resistant Hypertension. Frontiers in Cardiovascular Medicine, 2018, 5, 42.	2.4	6
71	Kidney-Specific CAP1/Prss8-Deficient Mice Maintain ENaC-Mediated Sodium Balance through an Aldosterone Independent Pathway. International Journal of Molecular Sciences, 2022, 23, 6745.	4.1	6
72	Bariatric Surgery Induces a Differential Effect on Plasma Aldosterone in Comparison to Dietary Advice Alone. Frontiers in Endocrinology, 2021, 12, 745045.	3.5	4

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73	Accurate Location of Catheter Tip With the Free-to-Total Metanephrine Ratio During Adrenal Vein Sampling. <i>Frontiers in Endocrinology</i> , 2022, 13, 842968.	3.5	4
74	ENaC activity in collecting ducts modulates NCC in cirrhotic mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2529-2539.	2.8	3
75	The serine-threonine kinase PIM3 is an aldosterone-regulated protein in the distal nephron. <i>Physiological Reports</i> , 2019, 7, e14177.	1.7	3
76	Dietary sodium intake does not alter renal potassium handling and blood pressure in healthy young males. <i>Nephrology Dialysis Transplantation</i> , 2021, , .	0.7	3
77	Is the fixed-dose combination of telmisartan and hydrochlorothiazide a good approach to treat hypertension?. <i>Vascular Health and Risk Management</i> , 2007, 3, 265-78.	2.3	3
78	Context Dependency of Serum and Urinary Lithium: Implications for Measurement of Proximal Sodium Reabsorption. <i>Hypertension</i> , 2007, 49, e34.	2.7	2
79	Hemodynamic effect of angiotensin II receptor blockade in postmenopausal women on a high-sodium diet: A double-blind, randomized, placebo-controlled study. <i>Current Therapeutic Research</i> , 2008, 69, 467-479.	1.2	2
80	Sex and Body Mass Index Modify the Association Between Leptin and Sodium Excretion: A Cross-sectional Study in an African Population. <i>American Journal of Hypertension</i> , 2019, 32, 1101-1108.	2.0	2
81	Impact of obesity with or without hypertension on systemic haemodynamic and renal responses to lower body negative pressure. <i>Blood Pressure</i> , 2021, 30, 67-74.	1.5	2
82	Acute decrease of urine calcium by amiloride in healthy volunteers under high-sodium diet. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 298-303.	0.7	1
83	Segmental Renal Sodium Handling in Relation to the Human SAH Gene. <i>Hypertension</i> , 2008, 52, e12-3.	2.7	0
84	37 ROLE OF POTASSIUM ON RENAL PROTECTION IN DOCA/SALT MICE. <i>Journal of Hypertension</i> , 2012, 30, e12.	0.5	0
85	SP042SHORT-TERM CHANGES IN DIETARY SODIUM INTAKE INFLUENCE SWEAT SODIUM CONCENTRATION AND MUSCLE SODIUM CONTENT IN HEALTHY SUBJECTS. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, .	0.7	0
86	The Intrinsic Circadian Clock in Podocytes Controls the Glomerular Filtration Rate. <i>FASEB Journal</i> , 2019, 33, 748.14.	0.5	0