Olivier Bonny

List of Publications by Year
in descending order

94 papers	3,426 citations	136885 32 h-index	149623 56 g-index
98 all docs	98 docs citations	98 times ranked	4706 citing authors

#	Article	IF	Citations
1	Molecular clock is involved in predictive circadian adjustment of renal function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16523-16528.	3.3	241
2	Glut9 is a major regulator of urate homeostasis and its genetic inactivation induces hyperuricosuria and urate nephropathy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15501-15506.	3.3	214
3	Meta-Analysis of Genome-Wide Association Studies Identifies Six New Loci for Serum Calcium Concentrations. PLoS Genetics, 2013, 9, e1003796.	1.5	142
4	Pharmacological inhibition of fibroblast growth factor (FGF) receptor signaling ameliorates FGF23-mediated hypophosphatemic rickets. Journal of Bone and Mineral Research, 2013, 28, 899-911.	3.1	132
5	FGF receptors control vitamin D and phosphate homeostasis by mediating renal FGF-23 signaling and regulating FGF-23 expression in bone. Journal of Bone and Mineral Research, 2011, 26, 2486-2497.	3.1	128
6	The Circadian Clock Modulates Renal Sodium Handling. Journal of the American Society of Nephrology: JASN, 2012, 23, 1019-1026.	3.0	121
7	Circadian rhythms and the kidney. Nature Reviews Nephrology, 2018, 14, 626-635.	4.1	121
8	Functional expression of a pseudohypoaldosteronism type I mutated epithelial Na+ channel lacking the pore-forming region of its Î± subunit. Journal of Clinical Investigation, 1999, 104, 967-974.	3.9	106
9	Local Renal Circadian Clocks Control Fluidâ€"Electrolyte Homeostasis and BP. Journal of the American Society of Nephrology: JASN, 2014, 25, 1430-1439.	3.0	104
10	Genetic Hypercalciuria. Journal of the American Society of Nephrology: JASN, 2005, 16, 729-745.	3.0	101
11	Mouse GLUT9: evidences for a urate uniporter. American Journal of Physiology - Renal Physiology, 2009, 297, F612-F619.	1.3	96
12	Disturbances of Na/K Balance: Pseudohypoaldosteronism Revisited. Journal of the American Society of Nephrology: JASN, 2002, 13, 2399-2414.	3.0	87
13	Ways of calcium reabsorption in the kidney. American Journal of Physiology - Renal Physiology, 2016, 310, F1337-F1350.	1.3	83
14	Nephron-Specific Deletion of Circadian Clock Gene Bmal1 Alters the Plasma and Renal Metabolome and Impairs Drug Disposition. Journal of the American Society of Nephrology: JASN, 2016, 27, 2997-3004.	3.0	82
15	Dysfunction of epithelial sodium transport: From human to mouse. Kidney International, 2000, 57, 1313-1318.	2.6	79
16	Circadian regulation of renal function. Kidney International, 2010, 78, 640-645.	2.6	76
17	Clinical and genetic spectra of autosomal dominant tubulointerstitial kidney disease due to mutationsÂin UMOD and MUC1. Kidney International, 2020, 98, 717-731.	2.6	75
18	Î±-Ketoglutarate regulates acid-base balance through an intrarenal paracrine mechanism. Journal of Clinical Investigation, 2013, 123, 3166-3171.	3.9	65

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19	Gain-of-function haplotype in the epithelial calcium channel TRPV6 is a risk factor for renal calcium stone formation. Human Molecular Genetics, 2008, 17, 1613-1618.	1.4	62
20	Renal Fanconi Syndrome and Hypophosphatemic Rickets in the Absence of Xenotropic and Polytropic Retroviral Receptor in the Nephron. Journal of the American Society of Nephrology: JASN, 2017, 28, 1073-1078.	3.0	57
21	Acute and Chronic Effects of SGLT2 Inhibitor Empagliflozin on Renal Oxygenation and Blood Pressure Control in Nondiabetic Normotensive Subjects: A Randomized, Placeboâ€Controlled Trial. Journal of the American Heart Association, 2020, 9, e016173.	1.6	57
22	Mechanism of Urinary Calcium Regulation by Urinary Magnesium and pH. Journal of the American Society of Nephrology: JASN, 2008, 19, 1530-1537.	3.0	48
23	Role of the renal circadian timing system in maintaining water and electrolytes homeostasis. Molecular and Cellular Endocrinology, 2012, 349, 51-55.	1.6	46
24	Human Mutations in SLC2A9 (Glut9) Affect Transport Capacity for Urate. Frontiers in Physiology, 2018, 9, 476.	1.3	44
25	Birtâ€"Moggâ€"DubÃ© syndrome. European Respiratory Review, 2020, 29, 200042.	3.0	43
26	Urine and stone analysis for the investigation of the renal stone former: a consensus conference. Urolithiasis, 2021, 49, 1-16.	1.2	43
27	A novel mutation of the epithelial Na + channel causes type 1 pseudohypoaldosteronism. Pediatric Nephrology, 2002, 17, 804-808.	0.9	41
28	Calcium, Vitamin D and Cardiovascular Disease. Kidney and Blood Pressure Research, 2011, 34, 404-417.	0.9	40
29	Sodium/hydrogen exchanger NHA2 in osteoclasts: Subcellular localization and role in vitro and in vivo. Bone, 2010, 47, 331-340.	1.4	35
30	Molecular bases of circadian rhythmicity in renal physiology and pathology. Nephrology Dialysis Transplantation, 2013, 28, 2421-2431.	0.4	35
31	Circadian regulation of renal function and potential role in hypertension. Current Opinion in Nephrology and Hypertension, 2013, 22, 439-444.	1.0	35
32	Association of Urinary Calcium Excretion with Serum Calcium and Vitamin D Levels. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 452-462.	2.2	34
33	Nephropathy in Pparg-null mice highlights PPARÎ³ systemic activities in metabolism and in the immune system. PLoS ONE, 2017, 12, e0171474.	1.1	34
34	Expression, Purification, and Structural Insights for the Human Uric Acid Transporter, GLUT9, Using the Xenopus laevis Oocytes System. PLoS ONE, 2014, 9, e108852.	1.1	34
35	A comprehensive analysis of gene expression profiles in distal parts of the mouse renal tubule. Pflugers Archiv European Journal of Physiology, 2010, 460, 925-952.	1.3	33
36	Coordinated regulation of TRPV5-mediated Ca2+ transport in primary distal convolution cultures. Pflugers Archiv European Journal of Physiology, 2014, 466, 2077-2087.	1.3	33

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37	SLC2A9 (GLUT9) mediates urate reabsorption in the mouse kidney. Pflugers Archiv European Journal of Physiology, 2018, 470, 1739-1751.	1.3	32
38	Circadian glomerular function: from physiology to molecular and therapeutical aspects. Nephrology Dialysis Transplantation, 2014, 29, 1475-1480.	0.4	31
39	A model of calcium transport and regulation in the proximal tubule. American Journal of Physiology - Renal Physiology, 2018, 315, F942-F953.	1.3	30
40	Calcium reabsorption in the distal tubule: regulation by sodium, pH, and flow. American Journal of Physiology - Renal Physiology, 2013, 304, F585-F600.	1.3	28
41	Mutations in the polyglutamylase gene<i>TTLL5</i>, expressed in photoreceptor cells and spermatozoa, are associated with cone-rod degeneration and reduced male fertility. Human Molecular Genetics, 2016, 25, ddw282.	1.4	27
42	Common variants in CLDN14 are associated with differential excretion of magnesium over calcium in urine. Pflugers Archiv European Journal of Physiology, 2017, 469, 91-103.	1.3	27
43	Loss of Memo, a novel FGFR regulator, results in reduced lifespan. FASEB Journal, 2014, 28, 327-336.	0.2	25
44	Oral chemolysis is an effective, non-invasive therapy for urinary stones suspected of uric acid content. Urolithiasis, 2020, 48, 501-507.	1.2	24
45	Sodium-Dependent Phosphate Transporters in Osteoclast Differentiation and Function. PLoS ONE, 2015, 10, e0125104.	1.1	23
46	The proton-activated ovarian cancer GÂprotein-coupled receptor 1 (OGR1) is responsible for renal calcium loss during acidosis. Kidney International, 2020, 97, 920-933.	2.6	22
47	A population-based approach to assess the heritability and distribution of renal handling of electrolytes. Kidney International, 2017, 92, 1536-1543.	2.6	20
48	Unusual presentations of functional parathyroid cysts: a case series and review of the literature. Journal of Medical Case Reports, 2017, 11, 333.	0.4	20
49	PTH and 1.25 vitamin D response to a low-calcium diet is associated with bone mineral density in renal stone formers. Nephrology Dialysis Transplantation, 2008, 23, 2563-2570.	0.4	19
50	Efficacy of standard and low dose hydrochlorothiazide in the recurrence prevention of calcium nephrolithiasis (NOSTONE trial): protocol for a randomized double-blind placebo-controlled trial. BMC Nephrology, 2018, 19, 349.	0.8	19
51	Urine Fetuin-A is a biomarker of autosomal dominant polycystic kidney disease progression. Journal of Translational Medicine, 2015, 13, 103.	1.8	17
52	Redoxâ€Dependent Bone Alkaline Phosphatase Dysfunction Drives Part of the Complex Bone Phenotype in Mice Deficient for <i>Memo1</i>. JBMR Plus, 2018, 2, 195-205.	1.3	15
53	Renal Memo1 Differentially Regulates the Expression of Vitamin D-Dependent Distal Renal Tubular Calcium Transporters. Frontiers in Physiology, 2018, 9, 874.	1.3	14
54	A pregnant woman with de novo polyuria-polydipsia and elevated liver enzymes. Nephrology Dialysis Transplantation, 2003, 18, 2193-2196.	0.4	13

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55	A model of calcium homeostasis in the rat. American Journal of Physiology - Renal Physiology, 2016, 311, F1047-F1062.	1.3	13
56	Increased bone resorption by osteoclast-specific deletion of the sodium/calcium exchanger isoform 1 (NCX1). Pflugers Archiv European Journal of Physiology, 2017, 469, 225-233.	1.3	13
57	Variability in urinary oxalate measurements between six international laboratories. Nephrology Dialysis Transplantation, 2011, 26, 3954-3959.	0.4	12
58	Coupling between phosphate and calcium homeostasis: a mathematical model. American Journal of Physiology - Renal Physiology, 2017, 313, F1181-F1199.	1.3	12
59	A novel LAMB2 gene mutation associated with a severe phenotype in a neonate with Pierson syndrome. European Journal of Medical Research, 2016, 21, 19.	0.9	11
60	Altered Prostasin (CAP1/Prss8) Expression Favors Inflammation and Tissue Remodeling in DSS-induced Colitis. Inflammatory Bowel Diseases, 2016, 22, 2824-2839.	0.9	11
61	Effects of the SGLT-2 Inhibitor Empagliflozin on Renal Tissue Oxygenation in Non-Diabetic Subjects: A Randomized, Double-Blind, Placebo-Controlled Study Protocol. Advances in Therapy, 2018, 35, 875-885.	1.3	11
62	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.	1.3	10
63	Serum Calcium Levels Are Associated with Novel Cardiometabolic Risk Factors in the Population-Based CoLaus Study. PLoS ONE, 2011, 6, e18865.	1.1	9
64	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. PLoS ONE, 2020, 15, e0236361.	1.1	9
65	Treatment and long-term outcome in primary nephrogenic diabetes insipidus. Nephrology Dialysis Transplantation, 2023, 38, 2120-2130.	0.4	9
66	Circadian clock and the concept of homeostasis. Cell Cycle, 2009, 8, 4015-4016.	1.3	8
67	Genetics of calcium homeostasis in humans: continuum between monogenic diseases and continuous phenotypes. Nephrology Dialysis Transplantation, 2014, 29, iv55-iv62.	0.4	8
68	A preliminary survey of practice patterns across several European kidney stone centers and a call for action in developing shared practice. Urolithiasis, 2019, 47, 219-224.	1.2	8
69	Twenty-Four Hour Blood Pressure Response to Empagliflozin and Its Determinants in Normotensive Non-diabetic Subjects. Frontiers in Cardiovascular Medicine, 2022, 9, 854230.	1.1	8
70	Empagliflozin Changes Urine Supersaturation by Decreasing pH and Increasing Citrate. Journal of the American Society of Nephrology: JASN, 2022, 33, 1073-1075.	3.0	8
71	The Swiss Kidney Stone Cohort: An Observational Study to Unravel the Cause of Renal Stone Formation. European Urology Focus, 2017, 3, 7-9.	1.6	7
72	Circadian variation of ticagrelor-induced platelet inhibition in healthy adulty. European Heart Journal - Cardiovascular Pharmacotherapy, 2018, 4, 166-171.	1.4	7

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73	A model of uric acid transport in the rat proximal tubule. American Journal of Physiology - Renal Physiology, 2019, 316, F934-F947.	1.3	7
74	Practice patterns of kidney stone management across European and non-European centers: an in-depth investigation from the European Renal Stone Network (ERSN). Journal of Nephrology, 2021, 34, 1337-1346.	0.9	5
75	Effects of Pioglitazone on Renal Calcium Excretion. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1482-E1485.	1.8	4
76	Bariatric Surgery Induces a Differential Effect on Plasma Aldosterone in Comparison to Dietary Advice Alone. Frontiers in Endocrinology, 2021, 12, 745045.	1.5	4
77	Methods for the dietary assessment of adult kidney stone formers: a scoping review. Journal of Nephrology, 2022, 35, 821-830.	0.9	4
78	<i>Memo1</i>gene expression in kidney and bone is unaffected by dietary mineral load and calciotropic hormones. Physiological Reports, 2020, 8, e14410.	0.7	3
79	Impact of potassium citrate on urinary risk profile, glucose and lipid metabolism of kidney stone formers in Switzerland. CKJ: Clinical Kidney Journal, 2020, 13, 1037-1048.	1.4	2
80	The impact of stenting prior to oral chemolysis of upper urinary tract uric acid stones. International Urology and Nephrology, 2022, 54, 37-45.	0.6	2
81	Acute decrease of urine calcium by amiloride in healthy volunteers under high-sodium diet. Nephrology Dialysis Transplantation, 2022, 37, 298-303.	0.4	1
82	Physiologic Control of the Circadian Variability in Blood Pressure. , 2016, , 149-163.		1
83	A stone in the bone. JIMD Reports, 2021, 62, 6-8.	0.7	1
84	Use of constant denaturant capillary electrophoresis of pooled blood samples to identify single-nucleotide polymorphisms in the genes (Scnn1a and Scnn1b) encoding the alpha and beta subunits of the epithelial sodium channel. Clinical Chemistry, 2002, 48, 718-28.	1.5	1
85	The Epithelial Sodium Channel. , 2007, , 27-65.		0
86	Dimerization of the plasma membrane Na + /H + exchanger type 3 (NHE3). FASEB Journal, 2010, 24, 815.4.	0.2	0
87	Thiazide induces hypocalciuria independent of sodiumâ€calcium exchanger 1. FASEB Journal, 2013, 27, 912.6.	0.2	0
88	Systematic Characterization of SLC2A9 (Glut9) Variants Associated with Serum Uric Acid Levels. FASEB Journal, 2015, 29, 844.4.	0.2	0
89	Letter to the Editor regarding: Granulomatous inflammation and hypercalcemia in patients with severe systemic oxalosis, by Perrin et al, KI Reports, 2021. Kidney International Reports, 2022, 7, 930-931.	0.4	0
90	Concomitant Urinary Triple Phosphate and Cystine Crystals. New England Journal of Medicine, 2022, 386, 1165-1165.	13.9	0

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91	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. , 2020, 15, e0236361.		0
92	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. , 2020, 15, e0236361.		0
93	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. , 2020, 15, e0236361.		0
94	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. , 2020, 15, e0236361.		0