

Olivier Bonny

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,462
citations

28
h-index

47
g-index

98
ext. papers

3,001
ext. citations

6.2
avg, IF

4.99
L-index

#	Paper	IF	Citations
91	Letter Regarding "Granulomatous Inflammation and Hypercalcemia in Patients With Severe Systemic Oxalosis".. <i>Kidney International Reports</i> , 2022 , 7, 930-931	4.1	
90	Concomitant Urinary Triple Phosphate and Cystine Crystals.. <i>New England Journal of Medicine</i> , 2022 , 386, 1165	59.2	
89	Twenty-Four Hour Blood Pressure Response to Empagliflozin and Its Determinants in Normotensive Non-diabetic Subjects.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 854230	5.4	0
88	Empagliflozin Changes Urine Supersaturation by Decreasing pH and Increasing Citrate.. <i>Journal of the American Society of Nephrology: JASN</i> , 2022 ,	12.7	0
87	The impact of stenting prior to oral chemolysis of upper urinary tract uric acid stones. <i>International Urology and Nephrology</i> , 2021 , 1	2.3	0
86	A stone in the bone. <i>JIMD Reports</i> , 2021 , 62, 6-8	1.9	1
85	Bariatric Surgery Induces a Differential Effect on Plasma Aldosterone in Comparison to Dietary Advice Alone. <i>Frontiers in Endocrinology</i> , 2021 , 12, 745045	5.7	1
84	Practice patterns of kidney stone management across European and non-European centers: an in-depth investigation from the European Renal Stone Network (ERSN). <i>Journal of Nephrology</i> , 2021 , 34, 1337-1346	4.8	0
83	Urine and stone analysis for the investigation of the renal stone former: a consensus conference. <i>Urolithiasis</i> , 2021 , 49, 1-16	3.2	12
82	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	6	22
81	Treatment and long-term outcome in primary nephrogenic diabetes insipidus. <i>Nephrology Dialysis Transplantation</i> , 2020 ,	4.3	3
80	Clinical and genetic spectra of autosomal dominant tubulointerstitial kidney disease due to mutations in UMOD and MUC1. <i>Kidney International</i> , 2020 , 98, 717-731	9.9	27
79	The proton-activated ovarian cancer G protein-coupled receptor 1 (OGR1) is responsible for renal calcium loss during acidosis. <i>Kidney International</i> , 2020 , 97, 920-933	9.9	10
78	Oral chemolysis is an effective, non-invasive therapy for urinary stones suspected of uric acid content. <i>Urolithiasis</i> , 2020 , 48, 501-507	3.2	6
77	Birt-Hogg-Dubé syndrome. <i>European Respiratory Review</i> , 2020 , 29,	9.8	15
76	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. <i>PLoS ONE</i> , 2020 , 15, e0236361	3.7	3
75	Impact of potassium citrate on urinary risk profile, glucose and lipid metabolism of kidney stone formers in Switzerland. <i>CKJ: Clinical Kidney Journal</i> , 2020 , 13, 1037-1048	4.5	0

74	Memo1 gene expression in kidney and bone is unaffected by dietary mineral load and calciotropic hormones. <i>Physiological Reports</i> , 2020 , 8, e14410	2.6	1
73	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice 2020 , 15, e0236361		
72	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice 2020 , 15, e0236361		
71	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice 2020 , 15, e0236361		
70	Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice 2020 , 15, e0236361		
69	A preliminary survey of practice patterns across several European kidney stone centers and a call for action in developing shared practice. <i>Urolithiasis</i> , 2019 , 47, 219-224	3.2	5
68	A model of uric acid transport in the rat proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, F934-F947	4.3	5
67	Circadian variation of ticagrelor-induced platelet inhibition in healthy adults. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2018 , 4, 166-171	6.4	3
66	Redox-Dependent Bone Alkaline Phosphatase Dysfunction Drives Part of the Complex Bone Phenotype in Mice Deficient for. <i>JBMR Plus</i> , 2018 , 2, 195-205	3.9	8
65	Human Mutations in SLC2A9 (Glut9) Affect Transport Capacity for Urate. <i>Frontiers in Physiology</i> , 2018 , 9, 476	4.6	30
64	A model of calcium transport and regulation in the proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F942-F953	4.3	15
63	Circadian rhythms and the kidney. <i>Nature Reviews Nephrology</i> , 2018 , 14, 626-635	14.9	53
62	SLC2A9 (GLUT9) mediates urate reabsorption in the mouse kidney. <i>Pflugers Archiv European Journal of Physiology</i> , 2018 , 470, 1739-1751	4.6	17
61	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. <i>BMC Nephrology</i> , 2018 , 19, 349	2.7	8
60	Renal Memo1 Differentially Regulates the Expression of Vitamin D-Dependent Distal Renal Tubular Calcium Transporters. <i>Frontiers in Physiology</i> , 2018 , 9, 874	4.6	8
59	Effects of the SGLT-2 Inhibitor Empagliflozin on Renal Tissue Oxygenation in Non-Diabetic Subjects: A Randomized, Double-Blind, Placebo-Controlled Study Protocol. <i>Advances in Therapy</i> , 2018 , 35, 875-885 ^{4.1}		9
58	The Swiss Kidney Stone Cohort: An Observational Study to Unravel the Cause of Renal Stone Formation. <i>European Urology Focus</i> , 2017 , 3, 7-9	5.1	5
57	Common variants in CLDN14 are associated with differential excretion of magnesium over calcium in urine. <i>Pflugers Archiv European Journal of Physiology</i> , 2017 , 469, 91-103	4.6	21

56	Increased bone resorption by osteoclast-specific deletion of the sodium/calcium exchanger isoform 1 (NCX1). <i>Pflugers Archiv European Journal of Physiology</i> , 2017 , 469, 225-233	4.6	10
55	Nephropathy in Pparg-null mice highlights PPAR β systemic activities in metabolism and in the immune system. <i>PLoS ONE</i> , 2017 , 12, e0171474	3.7	18
54	A population-based approach to assess the heritability and distribution of renal handling of electrolytes. <i>Kidney International</i> , 2017 , 92, 1536-1543	9.9	15
53	Coupling between phosphate and calcium homeostasis: a mathematical model. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F1181-F1199	4.3	6
52	Renal Fanconi Syndrome and Hypophosphatemic Rickets in the Absence of Xenotropic and Polytopic Retroviral Receptor in the Nephron. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 1073-1078	12.7	38
51	Unusual presentations of functional parathyroid cysts: a case series and review of the literature. <i>Journal of Medical Case Reports</i> , 2017 , 11, 333	1.2	15
50	Mutations in the polyglutamylase gene TTLL5, expressed in photoreceptor cells and spermatozoa, are associated with cone-rod degeneration and reduced male fertility. <i>Human Molecular Genetics</i> , 2016 , 25, 4546-4555	5.6	19
49	Altered Prostin (CAP1/Prss8) Expression Favors Inflammation and Tissue Remodeling in DSS-induced Colitis. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 2824-2839	4.5	10
48	Ways of calcium reabsorption in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F1337-50	4.3	51
47	Physiologic Control of the Circadian Variability in Blood Pressure 2016 , 149-163		1
46	A model of calcium homeostasis in the rat. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F1047-F1062	4.3	6
45	Nephron-Specific Deletion of Circadian Clock Gene Bmal1 Alters the Plasma and Renal Metabolome and Impairs Drug Disposition. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 2997-3004	12.7	51
44	A novel LAMB2 gene mutation associated with a severe phenotype in a neonate with Pierson syndrome. <i>European Journal of Medical Research</i> , 2016 , 21, 19	4.8	8
43	Furosemide stimulation of parathormone in humans: role of the calcium-sensing receptor and the renin-angiotensin system. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 2413-21	4.6	7
42	Urine Fetuin-A is a biomarker of autosomal dominant polycystic kidney disease progression. <i>Journal of Translational Medicine</i> , 2015 , 13, 103	8.5	10
41	Association of urinary calcium excretion with serum calcium and vitamin D levels. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015 , 10, 452-62	6.9	18
40	Sodium-dependent phosphate transporters in osteoclast differentiation and function. <i>PLoS ONE</i> , 2015 , 10, e0125104	3.7	21
39	Systematic Characterization of SLC2A9 (Glut9) Variants Associated with Serum Uric Acid Levels. <i>FASEB Journal</i> , 2015 , 29, 844.4	0.9	

38	Coordinated regulation of TRPV5-mediated Ca ²⁺ transport in primary distal convolution cultures. <i>Pflugers Archiv European Journal of Physiology</i> , 2014 , 466, 2077-87	4.6	28
37	Local renal circadian clocks control fluid-electrolyte homeostasis and BP. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 1430-9	12.7	73
36	Circadian glomerular function: from physiology to molecular and therapeutical aspects. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1475-80	4.3	21
35	Genetics of calcium homeostasis in humans: continuum between monogenic diseases and continuous phenotypes. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29 Suppl 4, iv55-62	4.3	4
34	Loss of Memo, a novel FGFR regulator, results in reduced lifespan. <i>FASEB Journal</i> , 2014 , 28, 327-36	0.9	16
33	Expression, purification, and structural insights for the human uric acid transporter, GLUT9, using the <i>Xenopus laevis</i> oocytes system. <i>PLoS ONE</i> , 2014 , 9, e108852	3.7	24
32	Pharmacological inhibition of fibroblast growth factor (FGF) receptor signaling ameliorates FGF23-mediated hypophosphatemic rickets. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 899-911	6.3	116
31	Molecular bases of circadian rhythmicity in renal physiology and pathology. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 2421-31	4.3	29
30	Calcium reabsorption in the distal tubule: regulation by sodium, pH, and flow. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F585-600	4.3	23
29	Meta-analysis of genome-wide association studies identifies six new Loci for serum calcium concentrations. <i>PLoS Genetics</i> , 2013 , 9, e1003796	6	100
28	Circadian regulation of renal function and potential role in hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2013 , 22, 439-44	3.5	28
27	β-Ketoglutarate regulates acid-base balance through an intrarenal paracrine mechanism. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3166-71	15.9	47
26	Thiazide induces hypocalciuria independent of sodium-calcium exchanger 1. <i>FASEB Journal</i> , 2013 , 27, 912.6	0.9	
25	Role of the renal circadian timing system in maintaining water and electrolytes homeostasis. <i>Molecular and Cellular Endocrinology</i> , 2012 , 349, 51-5	4.4	39
24	The circadian clock modulates renal sodium handling. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1019-26	12.7	93
23	Serum calcium levels are associated with novel cardiometabolic risk factors in the population-based CoLaus study. <i>PLoS ONE</i> , 2011 , 6, e18865	3.7	8
22	FGF receptors control vitamin D and phosphate homeostasis by mediating renal FGF-23 signaling and regulating FGF-23 expression in bone. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2486-97	6.3	109
21	Effects of pioglitazone on renal calcium excretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E1482-5	5.6	4

20	Calcium, vitamin D and cardiovascular disease. <i>Kidney and Blood Pressure Research</i> , 2011 , 34, 404-17	3.1	32
19	Variability in urinary oxalate measurements between six international laboratories. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 3954-9	4.3	10
18	Circadian regulation of renal function. <i>Kidney International</i> , 2010 , 78, 640-5	9.9	61
17	Sodium/hydrogen exchanger NHA2 in osteoclasts: subcellular localization and role in vitro and in vivo. <i>Bone</i> , 2010 , 47, 331-40	4.7	29
16	A comprehensive analysis of gene expression profiles in distal parts of the mouse renal tubule. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 460, 925-52	4.6	28
15	Dimerization of the plasma membrane Na ⁺ /H ⁺ exchanger type 3 (NHE3). <i>FASEB Journal</i> , 2010 , 24, 815.40.9		
14	Glut9 is a major regulator of urate homeostasis and its genetic inactivation induces hyperuricosuria and urate nephropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15501-6	11.5	172
13	Mouse GLUT9: evidences for a urate uniporter. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F612-9	4.3	81
12	Molecular clock is involved in predictive circadian adjustment of renal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16523-8	11.5	203
11	Gain-of-function haplotype in the epithelial calcium channel TRPV6 is a risk factor for renal calcium stone formation. <i>Human Molecular Genetics</i> , 2008 , 17, 1613-8	5.6	55
10	Mechanism of urinary calcium regulation by urinary magnesium and pH. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 1530-7	12.7	40
9	PTH and 1.25 vitamin D response to a low-calcium diet is associated with bone mineral density in renal stone formers. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 2563-70	4.3	15
8	The Epithelial Sodium Channel 2007 , 27-65		
7	Genetic hypercalciuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 729-45	12.7	92
6	A pregnant woman with de novo polyuria-polydipsia and elevated liver enzymes. <i>Nephrology Dialysis Transplantation</i> , 2003 , 18, 2193-6	4.3	11
5	A novel mutation of the epithelial Na ⁺ channel causes type 1 pseudohypoaldosteronism. <i>Pediatric Nephrology</i> , 2002 , 17, 804-8	3.2	35
4	Disturbances of Na/K balance: pseudohypoaldosteronism revisited. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 2399-414	12.7	73
3	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. <i>Clinical Chemistry</i> , 2002 , 48, 718-28	5.5	1

- 2 Dysfunction of epithelial sodium transport: from human to mouse. *Kidney International*, **2000**, 57, 1313-8. 9 71
- 1 Functional expression of a pseudohypoaldosteronism type I mutated epithelial Na⁺ channel lacking the pore-forming region of its alpha subunit. *Journal of Clinical Investigation*, **1999**, 104, 967-74 15.9 87