GÃ©rard Friedlander

List of Publications by Year
in descending order

103 papers	5,747 citations	71102 41 h-index	79698 73 g-index
106 all docs	106 docs citations	106 times ranked	7401 citing authors

#	Article	IF	Citations
1	Nephrolithiasis and Osteoporosis Associated with Hypophosphatemia Caused by Mutations in the Type 2a Sodiumâ€“Phosphate Cotransporter. New England Journal of Medicine, 2002, 347, 983-991.	27.0	322
2	Angiotensin II and EGF receptor cross-talk in chronic kidney diseases: a new therapeutic approach. Nature Medicine, 2005, 11, 867-874.	30.7	312
3	Lipocalin 2 is essential for chronic kidney disease progression in mice and humans. Journal of Clinical Investigation, 2010, 120, 4065-4076.	8.2	310
4	Inhibition of the mTORC Pathway in the Antiphospholipid Syndrome. New England Journal of Medicine, 2014, 371, 303-312.	27.0	282
5	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease. Nature Medicine, 2013, 19, 1288-1296.	30.7	187
6	NHERF1Mutations and Responsiveness of Renal Parathyroid Hormone. New England Journal of Medicine, 2008, 359, 1128-1135.	27.0	178
7	Targeted expression of a dominant-negative EGF-R in the kidney reduces tubulo-interstitial lesions after renal injury. Journal of Clinical Investigation, 2000, 106, 225-234.	8.2	163
8	Hypoxia Reduces Alveolar Epithelial Sodium and Fluid Transport in Rats. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 554-561.	2.9	161
9	Latest findings in phosphate homeostasis. Kidney International, 2009, 75, 882-889.	5.2	143
10	Hypoxia Downregulates Expression and Activity of Epithelial Sodium Channels in Rat Alveolar Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 1997, 17, 508-518.	2.9	133
11	Identification of a Novel Function of PiT1 Critical for Cell Proliferation and Independent of Its Phosphate Transport Activity. Journal of Biological Chemistry, 2009, 284, 31363-31374.	3.4	127
12	Primary-cilium-dependent autophagy controls epithelial cell volume in response to fluid flow. Nature Cell Biology, 2016, 18, 657-667.	10.3	127
13	The Kidney as a Reservoir for HIV-1 after Renal Transplantation. Journal of the American Society of Nephrology: JASN, 2014, 25, 407-419.	6.1	121
14	Assessment of hydration status in a large population. British Journal of Nutrition, 2015, 113, 147-158.	2.3	104
15	Effects of vitamin D supplementation on the calciumâ€“phosphate balance in renal transplant patients. Kidney International, 2009, 75, 646-651.	5.2	99
16	Tumor necrosis factor stimulates prostaglandin production and cyclic AMP levels in rat cultured mesangial cells. FEBS Letters, 1988, 239, 50-54.	2.8	97
17	Membrane fluidity and transport properties in epithelia. Kidney International, 1992, 42, 825-836.	5.2	95
18	The Phosphate Transporter PiT1 (Slc20a1) Revealed As a New Essential Gene for Mouse Liver Development. PLoS ONE, 2010, 5, e9148.	2.5	95

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19	Genetic Disorders of Renal Phosphate Transport. New England Journal of Medicine, 2010, 362, 2399-2409.	27.0	94
20	Vitamin D Status and Outcomes After Renal Transplantation. Journal of the American Society of Nephrology: JASN, 2013, 24, 831-841.	6.1	93
21	Mechanical strains induced by tubular flow affect the phenotype of proximal tubular cells. American Journal of Physiology - Renal Physiology, 2001, 281, F751-F762.	2.7	91
22	Insulin-like Growth Factor I, a Unique Calcium-dependent Stimulator of 1,25-Dihydroxyvitamin D3 Production. Journal of Biological Chemistry, 1995, 270, 25461-25467.	3.4	89
23	Endoplasmic reticulum stress drives proteinuria-induced kidney lesions via Lipocalin 2. Nature Communications, 2016, 7, 10330.	12.8	88
24	Two apical multidrug transporters, P-gp and MRP2, are differently altered in chronic renal failure. American Journal of Physiology - Renal Physiology, 2001, 280, F636-F645.	2.7	85
25	Frequency of renal phosphate leak among patients with calcium nephrolithiasis. Kidney International, 2001, 60, 272-276.	5.2	84
26	Stat3 Controls Tubulointerstitial Communication during CKD. Journal of the American Society of Nephrology: JASN, 2016, 27, 3690-3705.	6.1	75
27	Identification of a Novel Transport-independent Function of PiT1/SLC20A1 in the Regulation of TNF-induced Apoptosis. Journal of Biological Chemistry, 2010, 285, 34408-34418.	3.4	73
28	CKD and Its Risk Factors among Patients with Cystinuria. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 842-851.	4.5	71
29	Determination of the best method to estimate glomerular filtration rate from serum creatinine in adult patients with sickle cell disease: a prospective observational cohort study. BMC Nephrology, 2012, 13, 83.	1.8	70
30	Proliferation and Remodeling of the Peritubular Microcirculation after Nephron Reduction. American Journal of Pathology, 2001, 159, 547-560.	3.8	68
31	Lovastatin-induced inhibition of renal epithelial tubular cell proliferation involves a p21 activated, AP-1-dependent pathway. Kidney International, 1997, 52, 1016-1027.	5.2	64
32	The naked truth: a comprehensive clarification and classification of current â€˜mythsâ€™ in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140.	10.4	62
33	JunD protects against chronic kidney disease by regulating paracrine mitogens. Journal of Clinical Investigation, 2003, 112, 843-852.	8.2	59
34	Vimentin affects localization and activity of sodium-glucose cotransporter SGLT1 in membrane rafts. Journal of Cell Science, 2002, 115, 713-24.	2.0	58
35	Plasma Fibroblast Growth Factor 23 Concentration Is Increased and Predicts Mortality in Patients on the Liver-Transplant Waiting List. PLoS ONE, 2013, 8, e66182.	2.5	57
36	Benzyl alcohol increases membrane fluidity and modulates cyclic AMP synthesis in intact renal epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 1987, 903, 341-348.	2.6	52

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37	Recent findings in phosphate homeostasis. Current Opinion in Nephrology and Hypertension, 2005, 14, 318-324.	2.0	52
38	TGF-Î± Mediates Genetic Susceptibility to Chronic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2011, 22, 327-335.	6.1	49
39	The primary cilium and lipophagy translate mechanical forces to direct metabolic adaptation of kidney epithelial cells. Nature Cell Biology, 2020, 22, 1091-1102.	10.3	45
40	A New Human NHERF1 Mutation Decreases Renal Phosphate Transporter NPT2a Expression by a PTH-Independent Mechanism. PLoS ONE, 2012, 7, e34764.	2.5	44
41	PGE2 binding sites and PG-stimulated cyclic AMP accumulation in rat isolated glomeruli and glomerular cultured cells. Molecular and Cellular Endocrinology, 1983, 30, 201-214.	3.2	43
42	The metabolomic signature of extreme longevity: naked mole rats versus mice. Aging, 2019, 11, 4783-4800.	3.1	43
43	Inhibition of Ecto-5â€²-nucleotidase by Nitric Oxide Donors. Journal of Biological Chemistry, 1996, 271, 4659-4664.	3.4	39
44	HMG-CoA reductase inhibitors induce apoptosis in mouse proximal tubular cells in primary culture. Kidney International, 1997, 52, 962-972.	5.2	39
45	Vitamin D and primary hyperparathyroidism (PHPT). Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 199-203.	2.5	38
46	Vitamin D3 Prevents Calcium-Induced Progression of Early-Stage Prostate Tumors by Counteracting TRPC6 and Calcium Sensing Receptor Upregulation. Cancer Research, 2017, 77, 355-365.	0.9	38
47	Antiâ€inflammatory properties of Lipidosterolic extract of Serenoa repens (PermixonÂ®) in a mouse model of prostate hyperplasia. Prostate, 2015, 75, 706-722.	2.3	36
48	Increase in membrane fluidity modulates sodium-coupled uptakes and cyclic AMP synthesis by renal proximal tubular cells in primary culture. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 1-7.	2.6	35
49	Vitamin D metabolism and activity in the parathyroid gland. Molecular and Cellular Endocrinology, 2011, 347, 30-41.	3.2	35
50	Mice with Hypomorphic Expression of the Sodium-Phosphate Cotransporter PiT1/Slc20a1 Have an Unexpected Normal Bone Mineralization. PLoS ONE, 2013, 8, e65979.	2.5	34
51	Somatostatin and Î±2-adrenergic agonists selectively inhibit vasopressin-induced cyclic AMP accumulation in MDCK cells. FEBS Letters, 1986, 198, 38-42.	2.8	31
52	JunD protects against chronic kidney disease by regulating paracrine mitogens. Journal of Clinical Investigation, 2003, 112, 843-852.	8.2	31
53	Sodium-phosphate cotransporters, nephrolithiasis and bone demineralization. Current Opinion in Nephrology and Hypertension, 2004, 13, 675-681.	2.0	30
54	EKLF-driven PIT1 expression is critical for mouse erythroid maturation in vivo and in vitro. Blood, 2013, 121, 666-678.	1.4	30

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55	Adverse events associated with currently used medical treatments for cystinuria and treatment goals: results from a series of 442 patients in France. BJU International, 2019, 124, 849-861.	2.5	30
56	Effects of Cinacalcet in Renal Transplant Patients with Hyperparathyroidism. American Journal of Nephrology, 2012, 35, 341-348.	3.1	29
57	Primary culture of rabbit proximal tubules as a cellular model to study nephrotoxicity of xenobiotics. Kidney International, 1993, 44, 13-18.	5.2	28
58	Disruption of the Phosphate Transporter Pit1 in Hepatocytes Improves Glucose Metabolism and Insulin Signaling by Modulating the USP7/IRS1 Interaction. Cell Reports, 2016, 16, 2736-2748.	6.4	28
59	Novel function of PiT1/SLC20A1 in LPS-related inflammation and wound healing. Scientific Reports, 2019, 9, 1808.	3.3	27
60	Vitamin D Deficiency and Insufficiency in HIV-infected Children and Young Adults. Pediatric Infectious Disease Journal, 2013, 32, 1240-1244.	2.0	26
61	Sulfate homeostasis, NaSi-1 cotransporter, and SAT-1 exchanger expression in chronic renal failure in rats. Kidney International, 2001, 59, 210-221.	5.2	25
62	Halothane Decreases Na,K-ATPase, and Na Channel Activity in Alveolar Type II CellsÂ. Anesthesiology, 1998, 88, 1606-1613.	2.5	24
63	Hepatic Production of Fibroblast Growth Factor 23 in Autosomal Dominant Polycystic Kidney Disease. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2319-2328.	3.6	23
64	Fibroblast growth factor 23 decreases PDE4 expression in heart increasing the risk of cardiac arrhythmia; Klotho opposes these effects. Basic Research in Cardiology, 2020, 115, 51.	5.9	23
65	DNA methylation clocks as a predictor for ageing and age estimation in naked mole-rats, Heterocephalus glaber. Aging, 2020, 12, 4394-4406.	3.1	20
66	Recovery of Na-glucose cotransport activity after renal ischemia is impaired in mice lacking vimentin. American Journal of Physiology - Renal Physiology, 2004, 287, F960-F968.	2.7	19
67	High Milk Consumption Does Not Affect Prostate Tumor Progression in Two Mouse Models of Benign and Neoplastic Lesions. PLoS ONE, 2015, 10, e0125423.	2.5	19
68	Hypophosphatemia and Calcium Nephrolithiasis. Nephron Experimental Nephrology, 2004, 98, e50-e54.	2.2	18
69	A transcriptional network underlies susceptibility to kidney disease progression. EMBO Molecular Medicine, 2012, 4, 825-839.	6.9	18
70	Extracellular nucleotides as modulators of renal tubular transport. Kidney International, 1995, 47, 1500-1506.	5.2	17
71	Subtotal nephrectomy alters tubular function: Effect of phosphorus restriction. Kidney International, 1997, 52, 1550-1560.	5.2	16
72	Association of mGFR of the Remaining Kidney Divided by Its Volume before Donation with Functional Gain in mGFR among Living Kidney Donors. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 1369-1376.	4.5	16

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73	Sphingomyelin and cholesterol modulate sodium coupled uptakes in proximal tubular cells. Kidney International, 1992, 41, 983-991.	5.2	15
74	Shear-stress-responsive signal transduction mechanisms in renal proximal tubule cells. Current Opinion in Nephrology and Hypertension, 2003, 12, 31-34.	2.0	15
75	Determination of optimal cholecalciferol treatment in renal transplant recipients using a population pharmacokinetic approach. European Journal of Clinical Pharmacology, 2013, 69, 499-506.	1.9	15
76	Protein kinase C activators and bradykinin selectively inhibit vasopressin-stimulated cAMP synthesis in MDCK cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 929, 311-317.	4.1	14
77	NaPO₄cotransport type III (PiT1) expression in human embryonic kidney cells and regulation by PTH. American Journal of Physiology - Renal Physiology, 1999, 277, F543-F551.	2.7	14
78	Sodium Restriction Decreases AP-1 Activation after Nephron Reduction in the Rat: Role in the Progression of Renal Lesions. Nephron Experimental Nephrology, 2000, 8, 104-114.	2.2	14
79	Carboxy-terminal fragment of fibroblast growth factor 23 induces heart hypertrophy in sickle cell disease. Haematologica, 2017, 102, e33-e35.	3.5	14
80	Dipyridamole for Renal Phosphate Leak?. New England Journal of Medicine, 1994, 331, 58-59.	27.0	13
81	Use of computed tomography assessed kidney length to predict split renal GFR in living kidney donors. European Radiology, 2017, 27, 651-659.	4.5	13
82	Tubular Acidification Defect in Adults with Sickle Cell Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 16-24.	4.5	13
83	MITF â€“ A controls branching morphogenesis and nephron endowment. PLoS Genetics, 2017, 13, e1007093.	3.5	12
84	Using Transgenic Mice to Analyze the Mechanisms of Progression of Chronic Renal Failure. Journal of the American Society of Nephrology: JASN, 2000, 11, S144-S148.	6.1	10
85	Role of renal handling of extracellular nucleotides in modulation of phosphate transport. Kidney International, 1996, 49, 1019-1022.	5.2	9
86	Overexpression of ecto-5â€²-nucleotidase promotes P-glycoprotein expression in renal epithelial cells. Kidney International, 1997, 52, 953-961.	5.2	9
87	The Association Between Fibroblast Growth FactorÂ23 and Renal Transplantation Outcome IsÂModified by Follow-up Duration and GlomerularÂFiltration Rate Assessment Method. Kidney International Reports, 2017, 2, 881-892.	0.8	9
88	Effect of lipid-lowering strategies on tubular cell biology. Kidney International, 1999, 56, S92-S96.	5.2	8
89	Halothane Stimulates a Na+ H+ Antiporter Involved in the Regulation of Intracellular pH in Alveolar Epithelial Cells. Anesthesia and Analgesia, 1999, 89, 480-483.	2.2	6
90	What is the significance of end-stage renal disease risk estimation in living kidney donors?. Transplant International, 2017, 30, 799-806.	1.6	6

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91	Signaling pathways predisposing to chronic kidney disease progression. JCI Insight, 2020, 5, .	5.0	6
92	Single-cell transcriptomics reveals age-resistant maintenance of cell identities, stem cell compartments and differentiation trajectories in long-lived naked mole-rats skin. Aging, 2022, 14, 3728-3756.	3.1	6
93	Determination of optimal vitamin <scp>D₃</scp> dosing regimens in <scp>HIV</scp>â€infected paediatric patients using a population pharmacokinetic approach. British Journal of Clinical Pharmacology, 2014, 78, 1113-1121.	2.4	5
94	Measured glomerular filtration rate (GFR) significantly and rapidly decreases after radical cystectomy for bladder cancer. Scientific Reports, 2020, 10, 16145.	3.3	5
95	Phosphate Handling: New Genes, New Molecules. Hormone Research in Paediatrics, 2011, 76, 71-75.	1.8	4
96	Genetic causes of renal lithiasis. IBMS BoneKEy, 2009, 6, 357-367.	0.0	4
97	Regulation of Phosphate Transport in the Renal Tubule through Parathyroid Hormone Receptor: Unexpected Pathways. Nephron Experimental Nephrology, 1998, 6, 282-287.	2.2	3
98	Welcome to MEPE in the renal proximal tubule. Nephrology Dialysis Transplantation, 2010, 25, 3135-3136.	0.7	3
99	Functional Interaction between CFTR and the Sodium-Phosphate Co-Transport Type 2a in Xenopus laevis Oocytes. PLoS ONE, 2012, 7, e34879.	2.5	3
100	Transport de phosphate et lithiase rÃ©nale. Bulletin De L'Academie Nationale De Medecine, 2005, 189, 309-319.	0.0	1
101	MHC Class II Deficiency. , 2009, , 1306-1308.		0
102	Vitamine D : un champ qui sâ€™Ã©largit. Revue Francophone Des Laboratoires, 2011, 2011, 32-35.	0.0	0
103	Dialogue entre lâ€™angiotensine et le rÃ©cepteur du facteur de croissance Ã©pidermique dans les maladies rÃ©nales chroniques : vers une nouvelle approche thÃ©rapeutique. Bulletin De L'Academie Nationale De Medecine, 2006, 190, 927-934.	0.0	0