

Peter A Friedman

List of Publications by Year in descending order

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79
papers

3,487
citations

126907

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83
all docs

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docs citations

83
times ranked

3168
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of latent Ca ²⁺ channels in renal epithelial cells by parathyroid hormone. <i>Nature</i> , 1990, 347, 388-391.	27.8	171
2	Parathyroid hormone-related protein and its receptors: nuclear functions and roles in the renal and cardiovascular systems, the placental trophoblasts and the pancreatic islets. <i>British Journal of Pharmacology</i> , 2001, 134, 1113-1136.	5.4	168
3	THE ASSOCIATION OF NHERF ADAPTOR PROTEINS WITH G PROTEIN-COUPLED RECEPTORS AND RECEPTOR TYROSINE KINASES. <i>Annual Review of Physiology</i> , 2006, 68, 491-505.	13.1	160
4	GPCR Signaling and Trafficking: The Long and Short of It. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 213-226.	7.1	154
5	Activation-independent Parathyroid Hormone Receptor Internalization Is Regulated by NHERF1 (EBP50). <i>Journal of Biological Chemistry</i> , 2003, 278, 43787-43796.	3.4	153
6	Role of PDZ Proteins in Regulating Trafficking, Signaling, and Function of GPCRs: Means, Motif, and Opportunity. <i>Advances in Pharmacology</i> , 2011, 62, 279-314.	2.0	139
7	CODEPENDENCE OF RENAL CALCIUM AND SODIUM TRANSPORT. <i>Annual Review of Physiology</i> , 1998, 60, 179-197.	13.1	137
8	Calcium-sensing receptor regulation of PTH-inhibitable proximal tubule phosphate transport. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F1233-F1243.	2.7	126
9	Molecular basis of parathyroid hormone receptor signaling and trafficking: a family B GPCR paradigm. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1-13.	5.4	117
10	Thick ascending limb: the Na ⁺ :K ⁺ :2Cl ⁻ co-transporter, NKCC2, and the calcium-sensing receptor, CaSR. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 61-76.	2.8	116
11	Regulation of G Protein-Coupled Receptor Function by Na ⁺ /H ⁺ Exchange Regulatory Factors. <i>Pharmacological Reviews</i> , 2011, 63, 882-900.	16.0	91
12	Ligand-Selective Dissociation of Activation and Internalization of the Parathyroid Hormone (PTH) Receptor: Conditional Efficacy of PTH Peptide Fragments. <i>Endocrinology</i> , 2004, 145, 2815-2823.	2.8	87
13	Calcium-sensing receptor regulation of PTH-dependent calcium absorption by mouse cortical ascending limbs. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F399-F406.	2.7	81
14	NHERF1 Regulates Parathyroid Hormone Receptor Membrane Retention without Affecting Recycling. <i>Journal of Biological Chemistry</i> , 2007, 282, 36214-36222.	3.4	81
15	NHERF-1 and the Cytoskeleton Regulate the Traffic and Membrane Dynamics of G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 25076-25087.	3.4	74
16	PMCA2 regulates HER2 protein kinase localization and signaling and promotes HER2-mediated breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E282-90.	7.1	70
17	Cell-Specific Signaling and Structure-Activity Relations of Parathyroid Hormone Analogs in Mouse Kidney Cells**This work was supported by NIH Grant R01-DK-54171 and an American Society of Nephrology Career Enhancement Award.. <i>Endocrinology</i> , 1999, 140, 301-309.	2.8	69
18	Mechanisms of Renal Calcium Transport. <i>Nephron Experimental Nephrology</i> , 2000, 8, 343-350.	2.2	67

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19	Parathyroid Hormone Receptor Trafficking Contributes to the Activation of Extracellular Signal-regulated Kinases but Is Not Required for Regulation of cAMP Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 11281-11288.	3.4	65
20	NHERF1 Regulates Parathyroid Hormone Receptor Desensitization: Interference with β^2 -Arrestin Binding. <i>Molecular Pharmacology</i> , 2009, 75, 1189-1197.	2.3	64
21	Na/H Exchanger Regulatory Factors Control Parathyroid Hormone Receptor Signaling by Facilitating Differential Activation of G $\beta\gamma$ Protein Subunits. <i>Journal of Biological Chemistry</i> , 2010, 285, 26976-26986.	3.4	58
22	Actin-Sorting Nexin 27 (SNX27)-Retromer Complex Mediates Rapid Parathyroid Hormone Receptor Recycling. <i>Journal of Biological Chemistry</i> , 2016, 291, 10986-11002.	3.4	56
23	PTH(1-84)/PTH(7-84): a balance of power. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F975-F984.	2.7	55
24	Na/H Exchange Regulatory Factor 1, a Novel AKT-associating Protein, Regulates Extracellular Signal-regulated Kinase Signaling through a B-Raf-Mediated Pathway. <i>Molecular Biology of the Cell</i> , 2008, 19, 1637-1645.	2.1	54
25	Minireview: Ubiquitination-regulated G Protein-Coupled Receptor Signaling and Trafficking. <i>Molecular Endocrinology</i> , 2013, 27, 558-572.	3.7	54
26	Differential effects of intermittent PTH(1-34) and PTH(7-34) on bone microarchitecture and aortic calcification in experimental renal failure. <i>Bone</i> , 2008, 43, 1022-1030.	2.9	53
27	Calcium transport in the kidney. <i>Current Opinion in Nephrology and Hypertension</i> , 1999, 8, 589-595.	2.0	48
28	Ezrin-anchored Protein Kinase A Coordinates Phosphorylation-dependent Disassembly of a NHERF1 Ternary Complex to Regulate Hormone-sensitive Phosphate Transport. <i>Journal of Biological Chemistry</i> , 2012, 287, 24148-24163.	3.4	44
29	Regulation of Parathyroid Hormone Type 1 Receptor Dynamics, Traffic, and Signaling by the Na ⁺ /H ⁺ Exchanger Regulatory Factor-1 in Rat Osteosarcoma ROS 17/2.8 Cells. <i>Molecular Endocrinology</i> , 2008, 22, 1163-1170.	3.7	42
30	Decreased Conversion of 25-hydroxyvitamin D3 to 24,25-dihydroxyvitamin D3 Following Cholecalciferol Therapy in Patients with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 1965-1973.	4.5	40
31	β^2 -Arrestin-Dependent Parathyroid Hormone-Stimulated Extracellular Signal-Regulated Kinase Activation and Parathyroid Hormone Type 1 Receptor Internalization. <i>Endocrinology</i> , 2007, 148, 4073-4079.	2.8	38
32	Na ⁺ -Phosphate Cotransport in Mouse Distal Convoluted Tubule Cells: Evidence for Glvr-1 and Ram-1 Gene Expression. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 590-597.	2.8	34
33	Victory at C. <i>Nature Medicine</i> , 1999, 5, 620-621.	30.7	34
34	Structural Basis for NHERF1 PDZ Domain Binding. <i>Biochemistry</i> , 2012, 51, 3110-3120.	2.5	33
35	Convergent Signaling Pathways Regulate Parathyroid Hormone and Fibroblast Growth Factor-23 Action on NPT2A-mediated Phosphate Transport. <i>Journal of Biological Chemistry</i> , 2016, 291, 18632-18642.	3.4	31
36	Formation of a Ternary Complex among NHERF1, β^2 -Arrestin, and Parathyroid Hormone Receptor. <i>Journal of Biological Chemistry</i> , 2010, 285, 30355-30362.	3.4	30

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37	Inhibition of ezrin causes PKC ζ -mediated internalization of erbb2/HER2 tyrosine kinase in breast cancer cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 887-901.	3.4	30
38	Obligate Mitogen-Activated Protein Kinase Activation in Parathyroid Hormone Stimulation of Calcium Transport But Not Calcium Signaling ¹ . <i>Endocrinology</i> , 2000, 141, 4185-4193.	2.8	29
39	Extracellular signal-regulated kinase activation by parathyroid hormone in distal tubule cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1028-F1034.	2.7	29
40	Binding of EBP50 to Nox organizing subunit p47phox is pivotal to cellular reactive species generation and altered vascular phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5308-E5317.	7.1	29
41	NHERF1 regulation of PTH-dependent bimodal Pi transport in osteoblasts. <i>Bone</i> , 2013, 52, 268-277.	2.9	28
42	Dynamic Na ⁺ /H ⁺ Exchanger Regulatory Factor-1 Association and Dissociation Regulate Parathyroid Hormone Receptor Trafficking at Membrane Microdomains. <i>Journal of Biological Chemistry</i> , 2011, 286, 35020-35029.	3.4	27
43	Na ⁺ /H ⁺ Exchanger Regulatory Factor 1 (NHERF1) Directly Regulates Osteogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 43312-43321.	3.4	25
44	Role of Phospholipase D in Parathyroid Hormone Type 1 Receptor Signaling and Trafficking. <i>Molecular Endocrinology</i> , 2009, 23, 2048-2059.	3.7	22
45	Ubiquitination-deubiquitination balance dictates ligand-stimulated PTHR sorting. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2923-2934.	2.8	22
46	Parathyroid hormone initiates dynamic NHERF1 phosphorylation cycling and conformational changes that regulate NPT2A-dependent phosphate transport. <i>Journal of Biological Chemistry</i> , 2019, 294, 4546-4571.	3.4	22
47	The scaffolding protein NHERF1 regulates the stability and activity of the tyrosine kinase HER2. <i>Journal of Biological Chemistry</i> , 2017, 292, 6555-6568.	3.4	21
48	Cell-Specific Signaling and Structure-Activity Relations of Parathyroid Hormone Analogs in Mouse Kidney Cells. <i>Endocrinology</i> , 1999, 140, 301-309.	2.8	21
49	ACE2 interaction with cytoplasmic PDZ protein enhances SARS-CoV-2 invasion. <i>IScience</i> , 2021, 24, 102770.	4.1	18
50	PTH revisited ¹¹ This paper is dedicated to Professor Thomas E. Andreoli. <i>Pigm$\tilde{\Lambda}$i gigantum humeris impositi plusquam ipsi gigantes vident.</i> ²² Original studies were supported by National Institutes of Health grant DK-54171.. <i>Kidney International</i> , 2004, 66, S13-S19.	5.2	17
51	Phosphorylation of Ezrin-Radixin-Moesin-binding Phosphoprotein 50 (EBP50) by Akt Promotes Stability and Mitogenic Function of S-phase Kinase-associated Protein-2 (Skp2). <i>Journal of Biological Chemistry</i> , 2015, 290, 2879-2887.	3.4	17
52	Drug Transporters and Na ⁺ /H ⁺ Exchange Regulatory Factor PSD-95/Drosophila Discs Large/ZO-1 Proteins. <i>Pharmacological Reviews</i> , 2015, 67, 656-680.	16.0	17
53	Canonical and Noncanonical Sites Determine NPT2A Binding Selectivity to NHERF1 PDZ1. <i>PLoS ONE</i> , 2015, 10, e0129554.	2.5	16
54	Regulation of Hormone-Sensitive Renal Phosphate Transport. <i>Vitamins and Hormones</i> , 2015, 98, 249-306.	1.7	16

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55	Site-specific polyubiquitination differentially regulates parathyroid hormone receptor-initiated MAPK signaling and cell proliferation. <i>Journal of Biological Chemistry</i> , 2018, 293, 5556-5571.	3.4	16
56	Na ⁺ /Ca ²⁺ exchange in rat osteoblast-like UMR 106 cells. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1666-1675.	2.8	14
57	The PDZ Protein Na ⁺ /H ⁺ Exchanger Regulatory Factor-1 (NHERF1) Regulates Planar Cell Polarity and Motile Cilia Organization. <i>PLoS ONE</i> , 2016, 11, e0153144.	2.5	14
58	Oxidation inhibits PTH receptor signaling and trafficking. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1019-1024.	2.1	12
59	A naturally occurring isoform inhibits parathyroid hormone receptor trafficking and signaling. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 143-155.	2.8	11
60	Origins of PDZ Binding Specificity. A Computational and Experimental Study Using NHERF1 and the Parathyroid Hormone Receptor. <i>Biochemistry</i> , 2017, 56, 2584-2593.	2.5	11
61	1,25-Dihydroxyvitamin D Maintains Brush Border Membrane NaPi2a and Attenuates Phosphaturia in Hyp Mice. <i>Endocrinology</i> , 2019, 160, 2204-2214.	2.8	11
62	Parallel Post-Translational Modification Scanning Enhancing Hydrogen-Deuterium Exchange-Mass Spectrometry Coverage of Key Structural Regions. <i>Analytical Chemistry</i> , 2019, 91, 6976-6980.	6.5	10
63	PTH and PTHrP Actions on Bone. <i>Handbook of Experimental Pharmacology</i> , 2020, 262, 27-45.	1.8	10
64	Stimulation by parathyroid hormone of calcium absorption in confluent Madin-Darby canine kidney cells. <i>Journal of Cellular Physiology</i> , 1989, 139, 83-92.	4.1	9
65	RGS14 regulates PTH- and FGF23-sensitive NPT2A-mediated renal phosphate uptake via binding to the NHERF1 scaffolding protein. <i>Journal of Biological Chemistry</i> , 2022, 298, 101836.	3.4	9
66	NHERF1 is Required for Localization of PMCA2 and Suppression of Early Involution in the Female Lactating Mammary Gland. <i>Endocrinology</i> , 2019, 160, 1797-1810.	2.8	8
67	Dynamic structure of the full-length scaffolding protein NHERF1 influences signaling complex assembly. <i>Journal of Biological Chemistry</i> , 2019, 294, 11297-11310.	3.4	7
68	PTH and PTHrP Actions on Kidney and Bone. , 2008, , 665-712.		6
69	Multisite NHERF1 phosphorylation controls GRK6A regulation of hormone-sensitive phosphate transport. <i>Journal of Biological Chemistry</i> , 2021, 296, 100473.	3.4	6
70	Obligate Mitogen-Activated Protein Kinase Activation in Parathyroid Hormone Stimulation of Calcium Transport But Not Calcium Signaling. <i>Endocrinology</i> , 2000, 141, 4185-4193.	2.8	6
71	Bone Canopies in Pediatric Renal Osteodystrophy. <i>PLoS ONE</i> , 2016, 11, e0152871.	2.5	5
72	Noncanonical Sequences Involving NHERF1 Interaction with NPT2A Govern Hormone-Regulated Phosphate Transport: Binding Outside the Box. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1087.	4.1	5

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73	Receptor-Loaded Virion Endangers GPCR Signaling: Mechanistic Exploration of SARS-CoV-2 Infections and Pharmacological Implications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10963.	4.1	4
74	MINDIN secretion by prostate tumors induces premetastatic changes in bone via β -catenin. <i>Endocrine-Related Cancer</i> , 2020, 27, 441-456.	3.1	3
75	Genetic Variants Associated With Mineral Metabolism Traits in Chronic Kidney Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3866-e3876.	3.6	3
76	Identification of adenylyl cyclase isoforms mediating parathyroid hormone- and calcitonin-stimulated cyclic AMP accumulation in distal tubule cells. <i>BMC Nephrology</i> , 2017, 18, 292.	1.8	2
77	Structural pharmacology of PTH and PTHrP. <i>Vitamins and Hormones</i> , 2022, , 1-21.	1.7	2
78	Parathyroid hormone and parathyroid hormone-related protein actions on bone and kidney. , 2020, , 645-689.		1
79	Molecular Biology of Parathyroid Hormone. , 2018, , 523-537.		0