

# Rolf Kinne

## List of Publications by Year in descending order

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57  
papers

2,913  
citations

185998

28  
h-index

189595

50  
g-index

61  
all docs

61  
docs citations

61  
times ranked

577  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of isolated membrane vesicles to study epithelial transport processes. <i>Journal of Membrane Biology</i> , 1980, 55, 81-95.	1.0	257
2	THE POLARITY OF THE PROXIMAL TUBULE CELL IN RAT KIDNEY. <i>Journal of Cell Biology</i> , 1972, 54, 232-245.	2.3	226
3	Taurocholate Transport by Rat Liver Sinusoidal Membrane Vesicles: Evidence of Sodium Cotransport. <i>Hepatology</i> , 2007, 2, 572S-579S.	3.6	197
4	Glucose transport in isolated brush-border and lateral-basal plasma-membrane vesicles from intestinal epithelial cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 345, 170-179.	1.4	175
5	Ammonium transport in medullary thick ascending limb of rabbit kidney: Involvement of the Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> -cotransporter. <i>Journal of Membrane Biology</i> , 1986, 94, 279-284.	1.0	125
6	The localization of the Na <sup>+</sup> ?K <sup>+</sup> -ATPase in the cells of rat kidney cortex. <i>Pflugers Archiv European Journal of Physiology</i> , 1971, 329, 191-206.	1.3	113
7	The effects of potassium and membrane potential on sodium-dependent glutamic acid uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 599, 191-201.	1.4	113
8	Carbonic anhydrase activity of isolated brush border and basal-lateral membranes of renal tubular cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1977, 370, 121-126.	1.3	105
9	Localization of a calcium-stimulated ATPase in the basal-lateral plasma membranes of the proximal tubule of rat kidney cortex. <i>Journal of Membrane Biology</i> , 1974, 17, 263-274.	1.0	103
10	Effect of dietary phosphate intake on phosphate transport by isolated rat renal brush-border vesicles. <i>Biochemical Journal</i> , 1979, 180, 465-470.	1.7	94
11	Distribution of parathyroid hormone-stimulated adenylate cyclase in plasma membranes of cells of the kidney cortex. <i>Journal of Membrane Biology</i> , 1975, 24, 131-144.	1.0	92
12	Chloride transport in the thick ascending limb of Henle's loop: potassium dependence and stoichiometry of the NaCl cotransport system in plasma membrane vesicles. <i>Pflugers Archiv European Journal of Physiology</i> , 1983, 399, 173-179.	1.3	92
13	Coupled sodium and chloride transport into plasma membrane vesicles prepared from dogfish rectal gland. <i>Pflugers Archiv European Journal of Physiology</i> , 1978, 378, 87-92.	1.3	85
14	Taurocholate's sodium co-transport by brush-border membrane vesicles isolated from rat ileum. <i>Biochemical Journal</i> , 1978, 174, 951-958.	1.7	84
15	Distribution of membrane-bound cyclic AMP-dependent protein kinase in plasma membranes of cells of the kidney cortex. <i>Journal of Membrane Biology</i> , 1975, 24, 145-159.	1.0	83
16	Glutathione transport across hepatocyte plasma membranes. Analysis using isolated rat-liver sinusoidal-membrane vesicles. <i>FEBS Journal</i> , 1984, 138, 491-495.	0.2	83
17	The Mechanism of Biliary Secretion of Reduced Glutathione. Analysis of Transport Process in Isolated Rat-Liver Canalicular Membrane Vesicles. <i>FEBS Journal</i> , 1983, 134, 467-471.	0.2	74
18	Presence of Bicarbonate Stimulated ATPase in the Brush Border Microvillus Membranes of the Proximal Tubule. <i>Experimental Biology and Medicine</i> , 1974, 146, 751-753.	1.1	62

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19	Sodium-chloride transport in the thick ascending limb of Henle's loop. Pflugers Archiv European Journal of Physiology, 1981, 389, 263-270.	1.3	62
20	Studies on the arrangement of aminopeptidase and alkaline phosphatase in the microvilli of isolated brush border of rat kidney. Biochimica Et Biophysica Acta - Biomembranes, 1972, 255, 114-125.	1.4	55
21	Sodium-chloride transport in the medullary thick ascending limb of henle's loop: Evidence for a sodium-chloride cotransport system in plasma membrane vesicles. Journal of Membrane Biology, 1983, 72, 173-181.	1.0	49
22	ANALYSIS OF THE PINOCYTIC PROCESS IN RAT KIDNEY. Journal of Cell Biology, 1974, 63, 998-1008.	2.3	46
23	Isolated membrane vesicles in the evaluation of the nature, localization, and regulation of renal transport processes. Kidney International, 1978, 14, 547-556.	2.6	46
24	Biliary transport of glutathione disulfide studied with isolated rat-liver canalicular-membrane vesicles. FEBS Journal, 1984, 141, 211-215.	0.2	45
25	Sodium-cotransport systems in intestine and kidney of the winter flounder. Journal of Comparative Physiology â–; B, 1980, 135, 175-182.	2.0	44
26	Short term effect of low doses of tri-iodothyronine on proximal tubular membrane Na <sup>+</sup> K-ATPase and potassium permeability in thyroidectomized rats. Pflugers Archiv European Journal of Physiology, 1985, 403, 90-96.	1.3	40
27	Structural state of the Na <sup>+</sup> /d-glucose cotransporter in calf kidney brush-border membranes Target size analysis of Na <sup>+</sup> -dependent phlorizin binding and Na <sup>+</sup> -dependent d-glucose transport. Biochimica Et Biophysica Acta - Biomembranes, 1984, 777, 201-208.	1.4	39
28	Thyroid hormones and renal transport: Cellular and biochemical aspects. Kidney International, 1987, 32, 443-451.	2.6	37
29	Sodium-Dependent Transport of Inorganic Phosphate Across the Renal Brush Border Membrane. Advances in Experimental Medicine and Biology, 1980, 128, 11-23.	0.8	28
30	Tubular transport processes in proximal tubules of hypothyroid rats. Lack of relationship between thyroidal dependent rise of isotonic fluid reabsorption and Na <sup>+</sup> K-ATPase activity. Pflugers Archiv European Journal of Physiology, 1982, 394, 294-301.	1.3	26
31	Taurine transport by brush border membrane vesicles isolated from the flounder kidney. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1985, 155, 185-193.	0.7	24
32	Recent observations on the proximal tubular transport of acidic and basic amino acids by rat renal proximal tubular brush border vesicles. International Journal of Biochemistry & Cell Biology, 1980, 12, 223-228.	0.8	20
33	Localization and characterization of transport-related elements in the plasma membrane of turtle bladder epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 1979, 556, 490-508.	1.4	18
34	Properties of a synthetic plasma membrane marker: Fluorescent-Mercury-Dextran. Journal of Membrane Biology, 1973, 14, 85-99.	1.0	16
35	SLC5 and SLC2 Transporters in Epitheliaâ€™ Cellular Role and Molecular Mechanisms. Current Topics in Membranes, 2012, 70, 29-76.	0.5	14
36	Regulation of volume reabsorption by thyroid hormones in the proximal tubule of rat: Minor role of luminal sodium permeability. Pflugers Archiv European Journal of Physiology, 1985, 403, 97-104.	1.3	13

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37	Renal handling of taurine, l-alanine, l-glutamate and d-glucose in <i>Opsanus tau</i> : studies on isolated brush border membrane vesicles. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1987, 157, 573-581.	0.7	13
38	Differential Regulation of Cell Volume and Shape in Confluent Rat Hepatocytes Under Hypertonic Stress. <i>Cellular Physiology and Biochemistry</i> , 2007, 19, 259-268.	1.1	12
39	Is hexokinase present in the basal lateral membranes of rat kidney proximal tubular epithelial cells?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978, 508, 500-512.	1.4	11
40	Active chloride transport in rabbit thick ascending limb of Henle's loop and elasmobranch rectal gland: chloride fluxes in isolated plasma membranes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985, 155, 415-421.	0.7	11
41	Presence of a sodium-dependent d-glucose transport system in the kidney of the atlantic hagfish ( <i>Myxine glutinosa</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1984, 154, 355-364.	0.7	10
42	Purification of a putative Na <sup>+</sup> /D-glucose cotransporter from pig kidney brush border membranes on a phlorizin affinity column. <i>FEBS Letters</i> , 1988, 234, 115-119.	1.3	6
43	The Use of Micropuncture, Isolated Tubule, and Vesicle Technique in the Study of the Action of Thyroid Hormones on the Proximal Tubule Function. <i>Uremia Investigation</i> , 1985, 9, 151-157.	0.1	5
44	Chapter 4 Role of Potassium in Cotransport Systems. <i>Current Topics in Membranes and Transport</i> , 1987, , 73-85.	0.6	4
45	Isolation and Characterization of Biological Membranes. , 1986, , 83-92.		4
46	THE SEPARATION OF APICAL FROM BASAL-LATERAL PLASMA MEMBRANES OF EPITHELIAL CELLS: A TOOL TO IDENTIFY TRANSPORT SYSTEMS. <i>Annals of the New York Academy of Sciences</i> , 1980, 341, 48-55.	1.8	3
47	Dibutyl cyclic AMP inhibits transport dependent O <sub>2</sub> in cells isolated from the rabbit medullary ascending limb. <i>Pflugers Archiv European Journal of Physiology</i> , 1987, 409, 74-80.	1.3	3
48	Sugar uptake, metabolism, and chloride secretion in the rectal gland of the spiny dogfish <i>Squalus acanthias</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R96-R105.	0.9	2
49	Isolation and Characterization of Biological Membranes. , 1978, , 95-105.		1
50	Illuminating the black box: Focus on membranes. <i>Current Eye Research</i> , 1985, 4, 309-316.	0.7	1
51	CALCIUM AND PHOSPHATE TRANSPORT ACROSS RENAL PLASMA MEMBRANES: CONCEPTS, PROBLEMS AND FUTURE DEVELOPMENTS. , 1981, , 105-110.		1
52	THE ROLE OF SODIUM IN ANION TRANSPORT ACROSS RENAL AND SMALL INTESTINAL CELLS: STUDIES WITH ISOLATED PLASMA MEMBRANE VESICLES. , 1982, , 173-197.		1
53	Chapter 19 Luminal Sodium Phosphate Cotransport as the Site of Regulation for Tubular Phosphate Reabsorption: Studies with Isolated Membrane Vesicles. <i>Current Topics in Membranes and Transport</i> , 1980, 13, 275-281.	0.6	0
54	Isolation and Characterization of Biological Membranes. , 1980, , 95-105.		0

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55	A MEMBRANE-MOLECULAR APPROACH TO RENAL PHYSIOLOGY., 1981, , 19-33.		0
56	Brush Border and Basal-Lateral Membranes in the Action of Thyroid Hormone on the Proximal Tubule., 1984, , 358-363.		0
57	Isolation and Characterization of Biological Membranes., 1987, , 83-92.		0