

Erik H Larsen

List of Publications by Year in descending order

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84
papers

3,085
citations

159358

30
h-index

174990

52
g-index

87
all docs

87
docs citations

87
times ranked

1806
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-enhanced inductively coupled plasma mass spectrometric detection of arsenic and selenium and its application to arsenic speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1099-1105.	1.6	302
2	Current-voltage curve of sodium channels and concentration dependence of sodium permeability in frog skin. <i>Journal of Physiology</i> , 1977, 267, 137-166.	1.3	298
3	Osmoregulation and Excretion. , 2014, 4, 405-573.		163
4	Properties of a conductive cellular chloride pathway in the skin of the toad (<i>Bufo bufo</i>). <i>Acta Physiologica Scandinavica</i> , 1978, 102, 1-21.	2.3	133
5	Separation of seven arsenic compounds by high-performance liquid chromatography with on-line detection by hydrogen-argon flame atomic absorption spectrometry and inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 629-634.	1.6	120
6	TMEM16F (Anoctamin 6), an anion channel of delayed Ca ²⁺ activation. <i>Journal of General Physiology</i> , 2013, 141, 585-600.	0.9	97
7	ANO1 (TMEM16A) in pancreatic ductal adenocarcinoma (PDAC). <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1495-1508.	1.3	93
8	Speciation and health risk considerations of arsenic in the edible mushroom <i>Laccaria amethystina</i> collected from contaminated and uncontaminated locations. <i>Applied Organometallic Chemistry</i> , 1998, 12, 285-291.	1.7	84
9	Ion transport by mitochondria-rich cells in toad skin. <i>Journal of Membrane Biology</i> , 1987, 99, 25-40.	1.0	82
10	Method optimization and quality assurance in speciation analysis using high performance liquid chromatography with detection by inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 253-265.	1.5	76
11	Speciation of dimethylarsinyl-riboside derivatives (arsenosugars) in marine reference materials by HPLC-ICP-MS. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 352, 582-588.	1.5	75
12	Membrane potentials and intracellular Cl ⁻ activity of toad skin epithelium in relation to activation and deactivation of the transepithelial Cl ⁻ conductance. <i>Journal of Membrane Biology</i> , 1986, 94, 173-190.	1.0	70
13	Pathways for Chloride and Sodium Transport across Toad Skin. <i>Acta Physiologica Scandinavica</i> , 1976, 97, 31-47.	2.3	54
14	Anoctamin 6 differs from VRAC and VSOAC but is involved in apoptosis and supports volume regulation in the presence of Ca ²⁺ . <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1899-1910.	1.3	52
15	Chloride channels in toad skin. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , 1982, 299, 413-434.	2.4	49
16	Role of proton pump of mitochondria-rich cells for active transport of chloride ions in toad skin epithelium.. <i>Journal of Physiology</i> , 1992, 450, 203-216.	1.3	49
17	Laser Doppler flowmetry is valid for measurement of cerebral blood flow autoregulation lower limit in rats. <i>Experimental Physiology</i> , 2005, 90, 349-355.	0.9	49
18	Analysis of the sodium recirculation theory of solute-coupled water transport in small intestine. <i>Journal of Physiology</i> , 2002, 542, 33-50.	1.3	46

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19	Morphology of the kidney in larvae of <i>Bufo viridis</i> (Amphibia, Anura, Bufonidae). <i>Journal of Morphology</i> , 2000, 245, 177-195.	0.6	43
20	Concentration dependence of halide fluxes and selectivity of the anion pathway in toad skin. <i>Acta Physiologica Scandinavica</i> , 1986, 128, 289-304.	2.3	38
21	Sodium Recirculation and Isotonic Transport in Toad Small Intestine. <i>Journal of Membrane Biology</i> , 1999, 168, 241-251.	1.0	37
22	Relation between chloride exchange diffusion and a conductive chloride pathway across the isolated skin of the toad (<i>Bufo bufo</i>). <i>Acta Physiologica Scandinavica</i> , 1978, 102, 22-34.	2.3	36
23	Electrothermal atomic absorption spectrometry of inorganic and organic arsenic species using conventional and fast furnace programmes. <i>Journal of Analytical Atomic Spectrometry</i> , 1991, 6, 375.	1.6	36
24	Ion Secretion and Isotonic Transport in Frog Skin Glands. <i>Journal of Membrane Biology</i> , 1996, 152, 101-110.	1.0	35
25	A Mathematical Model of Solute Coupled Water Transport in Toad Intestine Incorporating Recirculation of the Actively Transported Solute. <i>Journal of General Physiology</i> , 2000, 116, 101-124.	0.9	34
26	Proton Pump Activity of Mitochondria-rich Cells. <i>Journal of General Physiology</i> , 1997, 109, 73-91.	0.9	33
27	Maxi K ⁺ channels co-localised with CFTR in the apical membrane of an exocrine gland acinus: possible involvement in secretion. <i>Pflügers Archiv European Journal of Physiology</i> , 2001, 442, 1-11.	1.3	33
28	The lateral intercellular space as osmotic coupling compartment in isotonic transport. <i>Acta Physiologica</i> , 2009, 195, 171-186.	1.8	33
29	A mathematical model of amphibian skin epithelium with two types of transporting cellular units. <i>Pflügers Archiv European Journal of Physiology</i> , 1985, 405, S50-S58.	1.3	32
30	Morphology of the Nephron in the Mesonephros of <i>Bufo bufo</i> (Amphibia, Anura, Bufonidae). <i>Acta Zoologica</i> , 1998, 79, 31-50.	0.6	32
31	Absorption and retention of selenium from shrimps in man. <i>Journal of Trace Elements in Medicine and Biology</i> , 2001, 14, 198-204.	1.5	31
32	Cyclic AMP and beta-agonist-activated chloride conductance of a toad skin epithelium.. <i>Journal of Physiology</i> , 1992, 449, 641-653.	1.3	30
33	Hans H. Ussing's scientific work: contemporary significance and perspectives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1566, 2-15.	1.4	30
34	Sodium Transport and D.C. Resistance in the Isolated Toad Skin in Relation to Shedding of the Stratum Corneum. <i>Acta Physiologica Scandinavica</i> , 1970, 79, 453-461.	2.3	29
35	Heterogeneity of chloride channels in the apical membrane of isolated mitochondria-rich cells from toad skin.. <i>Journal of General Physiology</i> , 1996, 108, 421-433.	0.9	29
36	Role of lateral intercellular space and sodium recirculation for isotonic transport in leaky epithelia. , 2000, 141, 153-212.		29

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37	Na ⁺ Recirculation and Isosmotic Transport. <i>Journal of Membrane Biology</i> , 2006, 212, 1-15.	1.0	28
38	Chloride currents of single mitochondria-rich cells of toad skin epithelium.. <i>Journal of Physiology</i> , 1994, 478, 7-15.	1.3	27
39	Proton pump-driven cutaneous chloride uptake in anuran amphibia. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1618, 120-132.	1.4	25
40	Application of the Na ⁺ recirculation theory to ion coupled water transport in low- and high resistance osmoregulatory epithelia. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 101-116.	0.8	25
41	Effect of aldosterone and oxytocin on the active sodium transport across the isolated toad skin in relation to loosening of Stratum corneum. <i>General and Comparative Endocrinology</i> , 1971, 17, 543-553.	0.8	24
42	Role of cutaneous surface fluid in frog osmoregulation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 365-370.	0.8	23
43	Patch Clamp on the Luminal Membrane of Exocrine Gland Acini from Frog Skin (<i>Rana esculenta</i>) Reveals the Presence of Cystic Fibrosis Transmembrane Conductance Regulator "like Cl ⁻ Channels Activated by Cyclic AMP. <i>Journal of General Physiology</i> , 1998, 112, 19-31.	0.9	22
44	The Relative Contributions of Sodium and Chloride Ions to the Conductance of Toad Skin in Relation to Shedding of the Stratum Corneum. <i>Acta Physiologica Scandinavica</i> , 1971, 81, 254-263.	2.3	21
45	Cation transport by sweat ducts in primary culture. Ionic mechanism of cholinergically evoked current oscillations.. <i>Journal of Physiology</i> , 1990, 424, 109-131.	1.3	21
46	Mitochondria-rich cells as experimental model in studies of epithelial chloride channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1566, 28-43.	1.4	20
47	Characteristics of aldosterone stimulated transport in isolated skin of the toad, <i>Bufo bufo</i> (L.). <i>The Journal of Steroid Biochemistry</i> , 1972, 3, 111-120.	1.3	19
48	Endogenous chloride channels of insect Sf9 cells. Evidence for coordinated activity of small elementary channel units.. <i>Journal of General Physiology</i> , 1996, 107, 695-714.	0.9	19
49	Proton pump activity is required for active uptake of chloride in isolated amphibian skin exposed to freshwater. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002, 172, 503-511.	0.7	18
50	Clusters of Cl ⁻ channels in CFTR-expressing Sf9 cells switch spontaneously between slow and fast gating modes. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 432, 528-537.	1.3	17
51	Beta-adrenergic activation of solute coupled water uptake by toad skin epithelium results in near-isosmotic transport. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 64-71.	0.8	17
52	Dual skin functions in amphibian osmoregulation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 253, 110869.	0.8	17
53	Role of mitochondria-rich cells in epithelial chloride uptake. <i>Experimental Physiology</i> , 1996, 81, 525-534.	0.9	16
54	Reconciling the Krogh and Ussing interpretations of epithelial chloride transport " presenting a novel hypothesis for the physiological significance of the passive cellular chloride uptake. <i>Acta Physiologica</i> , 2011, 202, 435-464.	1.8	16

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55	Indacrinone (MKâ€196) â€”a specific inhibitor of the voltageâ€”dependent Clâ€”permeability in toad skin. <i>Acta Physiologica Scandinavica</i> , 1986, 127, 145-153.	2.3	15
56	Electrophysiological properties of neurones in the internal and external submucous plexuses of newborn pig small intestine.. <i>Journal of Physiology</i> , 1997, 498, 773-785.	1.3	15
57	Membrane potential plays a dual role for chloride transport across toad skin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 728, 455-459.	1.4	14
58	Role of Mitochondria-rich Cells for Passive Chloride Transport, with a Discussion of Ussing's Contribution to Our Understanding of Shunt Pathways in Epithelia. <i>Journal of Membrane Biology</i> , 2001, 184, 247-254.	1.0	14
59	Lymph osmolality and rehydration from NaCl solutions by toads, <i>Bufo marinus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2001, 171, 283-292.	0.7	14
60	August Krogh's contribution to the rise of physiology during the first half the 20th century. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 256, 110931.	0.8	13
61	Expression of cystic fibrosis transmembrane conductance regulator in the skin of the toad, <i>Bufo bufo</i> and possible role for Clâ” transport across the heterocellular epithelium. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 130, 539-550.	0.8	12
62	CHLORIDE CURRENT RECTIFICATION IN TOAD SKIN EPITHELIUM. , 1982, , 333-364.		11
63	The in vivo effect of adrenomedullin on rat dural and pial arteries. <i>European Journal of Pharmacology</i> , 2006, 538, 101-107.	1.7	10
64	Identification of Anion-selective Channels in the Basolateral Membrane of Mitochondria-rich Epithelial Cells. <i>Journal of Membrane Biology</i> , 1997, 157, 255-269.	1.0	9
65	Hans Henriksen Ussing. 30 December 1911 â€” 22 December 2000. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2009, 55, 305-335.	0.1	9
66	K+ transport in the mesonephric collecting duct system of the toad <i>Bufo bufo</i> . <i>Journal of Experimental Biology</i> , 2002, 205, 897-904.	0.8	9
67	Î²-Adrenergic receptors couple to CFTR chloride channels of intercalated mitochondria-rich cells in the heterocellular toad skin epithelium. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1618, 140-152.	1.4	8
68	Sulfate transport in toad skin: Evidence for mitochondria-rich cell pathways in common with halide ions. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1988, 90, 709-714.	0.7	7
69	Chloride and potassium conductances of cultured human sweat ducts. <i>Pflugers Archiv European Journal of Physiology</i> , 1992, 422, 151-158.	1.3	7
70	Behavioral and Neural Responses of Toads to Salt Solutions Correlate with Basolateral Membrane Potential of Epidermal Cells of the Skin. <i>Chemical Senses</i> , 2007, 32, 765-773.	1.1	7
71	K(+) transport in the mesonephric collecting duct system of the toad <i>Bufo bufo</i> : microelectrode recordings from isolated and perfused tubules. <i>Journal of Experimental Biology</i> , 2002, 205, 897-904.	0.8	7
72	Membrane potential and conductance of frog skin gland acinar cells in resting conditions and during stimulation with agonists of macroscopic secretion. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 439, 101-112.	1.3	6

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73	Ion transport mechanisms in the mesonephric collecting duct system of the toad <i>Bufo bufo</i> : microelectrode recordings from isolated and perfused tubules. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004, 137, 585-595.	0.8	6
74	Stationary and Nonstationary Ion and Water Flux Interactions in Kidney Proximal Tubule: Mathematical Analysis of Isosmotic Transport by a Minimalistic Model. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2019, 177, 101-147.	0.9	5
75	Effects of Cerebrospinal Fluid Acidity on Cerebral Blood Flow and Autoregulation in Rats. <i>Journal of Neurosurgical Anesthesiology</i> , 2003, 15, 110-118.	0.6	4
76	Advanced computer control of electrophysiological experimentation. <i>Journal of Neuroscience Methods</i> , 1996, 65, 19-26.	1.3	3
77	Basolateral Cl ⁻ channels in the larval bullfrog skin epithelium. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002, 172, 577-586.	0.7	3
78	Homage to August Krogh celebrating the 90th anniversary of his Nobel prize in Physiology or Medicine. <i>Acta Physiologica</i> , 2011, 202, 211-212.	1.8	3
79	Volume Regulation in Epithelia. <i>Physiology in Health and Disease</i> , 2020, , 395-460.	0.2	3
80	Volume Regulation in Epithelia. , 2016, , 131-185.		2
81	Ion and Water Absorption by the Kidney Proximal Tubule: Computational Analysis of Isosmotic Transport. <i>Function</i> , 2020, 1, zqaa014.	1.1	1
82	Molecular physiology of absorptive and secretory functions of amphibian skin. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1999, 124, S145.	0.8	0
83	Osmotic pressure of the cutaneous surface fluid of <i>Rana esculenta</i> . <i>FASEB Journal</i> , 2012, 26, 1069.1.	0.2	0
84	Cl ⁻ and K ⁺ channels in human pancreatic ductal adenocarcinoma (PDAC) cells. <i>FASEB Journal</i> , 2013, 27, .	0.2	0