

David H Evans

List of Publications by Year in descending order

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86
papers

5,411
citations

117571

34
h-index

98753

67
g-index

87
all docs

87
docs citations

87
times ranked

3138
citing authors

#	ARTICLE	IF	CITATIONS
1	Research in the Early Twenty-First Century: The Year-Round Research Program Comes of Age. , 2015, , 995-1064.		0
2	MDIBL in the Postwar: The Third Generation. , 2015, , 185-244.		0
3	Research in the 1980s: The Fifth Generation. , 2015, , 507-595.		0
4	Research in the 1970s: The Fourth Generation. , 2015, , 381-457.		0
5	Mid Century: The Third-Generation Redux. , 2015, , 245-318.		0
6	The Centennial Decade of the MDIBL. , 2015, , 597-731.		0
7	Research in the 1990s: Molecular Biology Comes to the MDIBL. , 2015, , 733-792.		0
8	The Second Generation: MDIBL in the 1930s. , 2015, , 87-140.		0
9	Morphology and putative function of the colon and cloaca of marine and freshwater snakes. Journal of Morphology, 2012, 273, 88-102.	0.6	3
10	Morphological and biochemical evidence for the evolution of salt glands in snakes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 160, 400-411.	0.8	10
11	Urotensin II and its receptor in the killifish gill: regulators of NaCl extrusion. Journal of Experimental Biology, 2011, 214, 3985-3991.	0.8	19
12	Renal responses to salinity change in snakes with and without salt glands. Journal of Experimental Biology, 2011, 214, 2140-2156.	0.8	21
13	A brief history of fish osmoregulation: the central role of the Mt. Desert Island Biological Laboratory. Frontiers in Physiology, 2010, 1, 13.	1.3	40
14	Plasticity of gastrointestinal tract structure and function in the invasive fish <i>Pterygoplichthys disjunctivus</i> (Teleostei: Loricariidae). FASEB Journal, 2010, 24, 1055-12.	0.2	0
15	Urotensin II in the killifish gill: regulation of gill chloride transport. FASEB Journal, 2010, 24, 813-10.	0.2	0
16	Effects of environmental salinity on gill endothelin receptor expression in the killifish, <i>Fundulus heteroclitus</i> . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 58-65.	0.8	12
17	Short-term low-salinity tolerance by the longhorn sculpin, <i>Myoxocephalus octodecimspinosus</i> . Journal of Experimental Zoology, 2009, 311A, 45-56.	1.2	11
18	Phylogeny, taxonomy, and evolution of the endothelin receptor gene family. Molecular Phylogenetics and Evolution, 2009, 52, 677-687.	1.2	13

#	ARTICLE	IF	CITATIONS
19	Teleost fish osmoregulation: what have we learned since August Krogh, Homer Smith, and Ancel Keys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R704-R713.	0.9	256
20	Gene Duplications and Losses within the Cyclooxygenase Family of Teleosts and Other Chordates. <i>Molecular Biology and Evolution</i> , 2008, 25, 2349-2359.	3.5	25
21	Molecular detection and immunological localization of gill Na ⁺ /H ⁺ exchanger in the dogfish (<i>Squalus acanthias</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1092-R1102.	0.9	22
22	Why are there no freshwater, longhorn sculpin (<i>Myoxocephalus octodecimspinosus</i>)? Effects of low environmental salinity on gill ion transporter expression. <i>FASEB Journal</i> , 2008, 22, 757.10.	0.2	0
23	Comparative immunolocalization of Na ⁺ /K ⁺ -ATPase and Na ⁺ /K ⁺ /2Cl ⁻ cotransporter in the kidneys of freshwater and marine snakes. <i>FASEB Journal</i> , 2008, 22, 757.9.	0.2	0
24	Identification of an NHE8 ortholog in the gills of the anadromous sea lamprey <i>Petromyzon marinus</i> . <i>FASEB Journal</i> , 2008, 22, 1239.7.	0.2	0
25	Endothelin and endothelin converting enzyme-1 in the fish gill:evolutionary and physiological perspectives. <i>Journal of Experimental Biology</i> , 2007, 210, 4286-4297.	0.8	26
26	<i>Fundulus</i> as the premier teleost model in environmental biology: Opportunities for new insights using genomics. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007, 2, 257-286.	0.4	194
27	The putative mechanism of Na ⁺ absorption in euryhaline elasmobranchs exists in the gills of a stenohaline marine elasmobranch, <i>Squalus acanthias</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 155-162.	0.8	30
28	Neuronal nitric oxide synthase in the gill of the killifish, <i>Fundulus heteroclitus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 510-519.	0.7	60
29	COX2 in a euryhaline teleost, <i>Fundulus heteroclitus</i> : primary sequence, distribution, localization, and potential function in gills during salinity acclimation. <i>Journal of Experimental Biology</i> , 2006, 209, 1696-1708.	0.8	38
30	The three endothelin receptors in the killifish, <i>Fundulus heteroclitus</i> : Physiological and phylogenetic relationships. <i>FASEB Journal</i> , 2006, 20, A826.	0.2	0
31	NHE3 in an ancestral vertebrate: primary sequence, distribution, localization, and function in gills. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1520-R1534.	0.9	69
32	The Multifunctional Fish Gill: Dominant Site of Gas Exchange, Osmoregulation, Acid-Base Regulation, and Excretion of Nitrogenous Waste. <i>Physiological Reviews</i> , 2005, 85, 97-177.	13.1	2,180
33	A putative H ⁺ -K ⁺ -ATPase in the Atlantic stingray, <i>Dasyatis sabina</i> : primary sequence and expression in gills. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R981-R991.	0.9	32
34	NaCl transport across the opercular epithelium of <i>Fundulus heteroclitus</i> inhibited by an endothelin to NO, superoxide, and prostanoid signaling axis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R560-R568.	0.9	33
35	Immunolocalization of Na ⁺ /K ⁺ -ATPase, carbonic anhydrase II, and vacuolar H ⁺ -ATPase in the gills of freshwater adult lampreys, <i>Geotria australis</i> . <i>The Journal of Experimental Zoology</i> , 2004, 301A, 654-665.	1.4	30
36	Characterization of the effects of vasoactive substances on the bulbus arteriosus of the eel, <i>Anguilla rostrata</i> . <i>The Journal of Experimental Zoology</i> , 2003, 297A, 45-51.	1.4	19

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37	Compensation for hypercapnia by a euryhaline elasmobranch: Effect of salinity and roles of gills and kidneys in fresh water. <i>The Journal of Experimental Zoology</i> , 2003, 297A, 52-63.	1.4	27
38	Pendrin immunoreactivity in the gill epithelium of a euryhaline elasmobranch. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 283, R983-R992.	0.9	94
39	Cell signaling and ion transport across the fish gill epithelium. <i>The Journal of Experimental Zoology</i> , 2002, 293, 336-347.	1.4	130
40	Vasoactivity of the ventral aorta of the American eel (<i>Anguilla rostrata</i>), Atlantic hagfish (<i>Myxine</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 (6 273-284.	1.4	36
41	Osmoregulation, Acid-Base Regulation, and Nitrogen Excretion. , 1999, , 79-96.		12
42	Ionic transport in the fish gill epithelium. , 1999, 283, 641-652.		193
43	Natriuretic peptide binding sites in the brain of the Atlantic hagfish, <i>Myxine glutinosa</i> . <i>The Journal of Experimental Zoology</i> , 1999, 284, 407-413.	1.4	6
44	Ionic transport in the fish gill epithelium. <i>The Journal of Experimental Zoology</i> , 1999, 283, 641-652.	1.4	132
45	Functional characterization of a muscarinic receptor in the smooth muscle of the shark (<i>Squalus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 (6 274, R1050-R1057.	0.9	25
46	Functional characterization of a muscarinic receptor in the smooth muscle of the shark (<i>Squalus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 (6 274, R1050-R1057.	1.0	7
47	A prostaglandin, not NO, mediates endothelium-dependent dilation in ventral aorta of shark (<i>Squalus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 (6 274, R1050-R1057.	0.9	25
48	Distribution and Characterization of Natriuretic Peptide Receptors in the Gills of the Spiny Dogfish, <i>Squalus acanthias</i> . <i>General and Comparative Endocrinology</i> , 1997, 106, 338-347.	0.8	17
49	C-type natriuretic peptides are potent dilators of shark vascular smooth muscle. <i>The Journal of Experimental Zoology</i> , 1993, 265, 84-87.	1.4	38
50	The effect of Ca ²⁺ , Cd ²⁺ and Ni ²⁺ on detergent-permeabilized vascular smooth muscle from the shark, <i>Squalus acanthias</i> . <i>Toxicology</i> , 1993, 83, 1-8.	2.0	4
51	Evidence for the presence of A1 and A2 adenosine receptors in the ventral aorta of the dogfish shark, <i>Squalus acanthias</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1992, 162, 179-183.	0.7	26
52	Immunohistochemical localisation of natriuretic peptides in the brains and hearts of the spiny dogfish <i>Squalus acanthias</i> and the Atlantic hagfish <i>Myxine glutinosa</i> . <i>Cell and Tissue Research</i> , 1992, 270, 535-545.	1.5	40
53	Immunohistochemical localisation of natriuretic peptides in the heart and brain of the gulf toadfish <i>Opsanus beta</i> . <i>Cell and Tissue Research</i> , 1992, 269, 151-158.	1.5	31
54	Acid-base balance and ion transfers in the spiny dogfish (<i>Squalus acanthias</i>) during hypercapnia: A role for ammonia excretion. <i>The Journal of Experimental Zoology</i> , 1992, 261, 9-17.	1.4	55

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55	The effect of cadmium and other metals on vascular smooth muscle of the dogfish shark, <i>Squalus acanthias</i> . <i>Toxicology</i> , 1990, 61, 275-281.	2.0	45
56	An Emerging Role for a Cardiac Peptide Hormone in Fish Osmoregulation. <i>Annual Review of Physiology</i> , 1990, 52, 43-60.	5.6	86
57	Modes of Ammonia Transport Across the Gill Epithelium of the Marine Teleost Fish <i>Opsanus Beta</i> . <i>Journal of Experimental Biology</i> , 1989, 144, 339-356.	0.8	43
58	Modes of Ammonia Transport Across the Gill Epithelium of the Dogfish Pup (<i>Squalus Acanthias</i>). <i>Journal of Experimental Biology</i> , 1988, 138, 375-397.	0.8	34
59	Ammonia and Acid-Base Balance During High Ammonia Exposure in a Marine Teleost (<i>Myoxocephalus Tj</i>). <i>Journal of Experimental Biology</i> , 1987, 130, 1-10.	0.8	55
60	Gill ammonia transport. <i>The Journal of Experimental Zoology</i> , 1986, 239, 17-23.	1.4	111
61	Transepithelial potential measurements in the isolated, perfused head of a marine teleost. <i>The Journal of Experimental Zoology</i> , 1984, 230, 321-324.	1.4	5
62	Sodium balance in the American alligator. <i>The Journal of Experimental Zoology</i> , 1984, 231, 325-329.	1.4	7
63	8 The Roles of Gill Permeability and Transport Mechanisms in Euryhalinity. <i>Fish Physiology</i> , 1984, , 239-283.	0.2	47
64	FISH GILL IONIC TRANSPORT: METHODS AND MODELS. <i>Biological Bulletin</i> , 1982, 163, 108-130.	0.7	56
65	The relation of Na and Cl extrusion in <i>Opsanus beta</i> , the gulf toadfish, acclimated to seawater. <i>The Journal of Experimental Zoology</i> , 1982, 224, 187-194.	1.4	2
66	H-FLUX: An interactive program for the analysis of acid-base efflux. <i>Computer Programs in Biomedicine</i> , 1982, 14, 165-170.	0.8	0
67	Osmoregulation by the Prenatal Spiny Dogfish, <i>Squalus Acanthias</i> . <i>Journal of Experimental Biology</i> , 1982, 101, 295-305.	0.8	41
68	Mechanisms of Acid Extrusion by Two Marine Fishes: The Teleost, <i>Opsanus Beta</i> , and the Elasmobranch, <i>Squalus Acanthias</i> . <i>Journal of Experimental Biology</i> , 1982, 97, 289-299.	0.8	66
69	Chloride extrusion in the isolated perfused teleost gill. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981, 141, 471-476.	0.7	14
70	Short Communications: The Egg Case of the Oviparous Elasmobranch, <i>Raja Erinacea</i> , Does Osmoregulate. <i>Journal of Experimental Biology</i> , 1981, 92, 337-340.	0.8	20
71	Osmotic and Ionic Regulation by Freshwater and Marine Fishes. , 1980, , 93-122.		36
72	HCO ₃ -stimulated CL efflux in the Gulf toadfish acclimated to sea water. <i>The Journal of Experimental Zoology</i> , 1979, 208, 13-16.	1.4	28

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73	Mechanisms of ammonia and acid extrusion by the little skate, <i>Raja erinacea</i> . <i>The Journal of Experimental Zoology</i> , 1979, 208, 431-437.	1.4	36
74	Further Evidence for Na/NH ₄ Exchange in Marine Teleost Fish. <i>Journal of Experimental Biology</i> , 1977, 70, 213-220.	0.8	56
75	The presence of Na ⁺ and Na ⁺ K exchange in sodium extrusion by three species of fish. <i>Nature</i> , 1976, 259, 241-242.	13.7	35
76	The effects of various external cations and sodium transport inhibitors on sodium uptake by the sailfin molly, <i>Poecilia latipinna</i> , acclimated to sea water. <i>Journal of Comparative Physiology</i> – B, 1975, 96, 111-115.	2.0	22
77	Time course of sea water acclimation by the euryhaline teleost, <i>Dormitator maculatus</i> : Correlation between potassium stimulation of sodium efflux and Na/K activated ATPase activity. <i>Journal of Comparative Physiology</i> – B, 1975, 96, 117-122.	2.0	23
78	Ionic exchange mechanisms in fish gills. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1975, 51, 491-495.	0.7	100
79	The Effect of External Potassium Ions On the Electrical Potential Measured Across the Gills of the Teleost, <i>Dormitator Maculatus</i> . <i>Journal of Experimental Biology</i> , 1974, 61, 277-283.	0.8	35
80	The sodium balance of the euryhaline marine loggerhead turtle, <i>Caretta caretta</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1973, 83, 179-185.	0.7	14
81	Sodium uptake by the sailfin molly, <i>Poecilia latipinna</i> : Kinetic analysis of a carrier system present in both fresh-water-acclimated and sea-water-acclimated individuals. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1973, 45, 843-850.	0.7	24
82	Sodium Extrusion by A Fish Acclimated to Sea Water: Physiological and Biochemical Description OF A Na-For-K Exchange System. <i>Journal of Experimental Biology</i> , 1973, 58, 627-636.	0.8	36
83	Aspects of the Physiology of Terrestrial Life in Amphibious Fishes. <i>Journal of Experimental Biology</i> , 1969, 50, 141-149.	0.8	118
84	Sodium, Chloride and Water Balance of the Intertidal Teleost, <i>Pholis Gunnellus</i> . <i>Journal of Experimental Biology</i> , 1969, 50, 179-190.	0.8	40
85	Studies on the Permeability To Water Of Selected Marine, Freshwater And Euryhaline Teleosts. <i>Journal of Experimental Biology</i> , 1969, 50, 689-703.	0.8	117
86	Measurement of drinking rates in fish. <i>Comparative Biochemistry and Physiology</i> , 1968, 25, 751-753.	1.1	40