

# Erik R Swenson

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

3,897  
citations

185998

28  
h-index

138251

58  
g-index

95  
all docs

95  
docs citations

95  
times ranked

4510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terlipressin: Hopes Fulfilled or Dashed?. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022, 17, 140-142.	2.2	5
2	Concomitant Lung and Kidney Disorders in Critically Ill Patients: Core Curriculum 2022. <i>American Journal of Kidney Diseases</i> , 2022, 79, 601-612.	2.1	2
3	High altitude vascular dysfunction: can we find our way to a remedy?. <i>Journal of Physiology</i> , 2022, 600, 1271-1272.	1.3	0
4	Acid-base balance at high altitude in lowlanders and indigenous highlanders. <i>Journal of Applied Physiology</i> , 2022, 132, 575-580.	1.2	5
5	ERS/ATS technical standard on interpretive strategies for routine lung function tests. <i>European Respiratory Journal</i> , 2022, 60, 2101499.	3.1	323
6	Chronic Mountain Sickness Evolving Over Time. <i>Chest</i> , 2022, 161, 1136-1137.	0.4	3
7	Effects of acetazolamide on pulmonary artery pressure and prevention of high-altitude pulmonary edema after rapid active ascent to 4,559 m. <i>Journal of Applied Physiology</i> , 2022, 132, 1361-1369.	1.2	7
8	Will the Real Bicarbonate Please Stand Up?. <i>Annals of the American Thoracic Society</i> , 2022, 19, 1226-1229.	1.5	1
9	The search for a model of high-altitude pulmonary oedema must continue. <i>Acta Physiologica</i> , 2021, 231, e13485.	1.8	3
10	Positive Bubble Study in Severe COVID-19: Bubbles May Be Unrelated to Gas Exchange Impairment. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 389-390.	2.5	4
11	The Pathophysiology and Dangers of Silent Hypoxemia in COVID-19 Lung Injury. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1098-1105.	1.5	38
12	Acute Hemodynamic Effect of Acetazolamide in Patients With Pulmonary Hypertension Whilst Breathing Normoxic and Hypoxic Gas: A Randomized Cross-Over Trial. <i>Frontiers in Medicine</i> , 2021, 8, 681473.	1.2	4
13	Does inspiration of exhaled CO2 explain improved oxygenation with a face mask plus high-flow nasal cannula oxygen in severe COVID-19 infection?. <i>Critical Care</i> , 2021, 25, 343.	2.5	3
14	Validity of Peripheral Oxygen Saturation Measurements with the Garmin Forerunner 5X Plus Wearable Device at 4559 m. <i>Sensors</i> , 2021, 21, 6363.	2.1	10
15	Acid-base balance and cerebrovascular regulation. <i>Journal of Physiology</i> , 2021, 599, 5337-5359.	1.3	16
16	Sodium bicarbonate therapy for acute respiratory acidosis. <i>Current Opinion in Nephrology and Hypertension</i> , 2021, 30, 223-230.	1.0	11
17	Targeting Carbonic Anhydrases in Cardiovascular and Pulmonary Disease. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2021, , 37-77.	0.6	0
18	Myocardial and mitochondrial effects of the anhydrase carbonic inhibitor ethoxzolamide in ischemia-reperfusion. <i>Physiological Reports</i> , 2021, 9, e15093.	0.7	2

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19	Extracorporeal Membrane Oxygenation Blood Flow and Blood Recirculation Compromise Thermodilution-Based Measurements of Cardiac Output. <i>ASAIO Journal</i> , 2021, Publish Ahead of Print, .	0.9	9
20	Influence of methazolamide on the human control of breathing: A comparison to acetazolamide. <i>Experimental Physiology</i> , 2020, 105, 293-301.	0.9	7
21	Carbonic Anhydrase Inhibitors suppress platelet procoagulant responses and in vivo thrombosis. <i>Platelets</i> , 2020, 31, 853-859.	1.1	7
22	COVID-19 Lung Injury and High-Altitude Pulmonary Edema. A False Equation with Dangerous Implications. <i>Annals of the American Thoracic Society</i> , 2020, 17, 918-921.	1.5	40
23	Effects of surgical and FFP2/N95 face masks on cardiopulmonary exercise capacity: the numbers do not add up. <i>Clinical Research in Cardiology</i> , 2020, 109, 1605-1606.	1.5	19
24	Lower Incidence of COVID-19 at High Altitude: Facts and Confounders. <i>High Altitude Medicine and Biology</i> , 2020, 21, 217-222.	0.5	68
25	Whither the Bicarbonate Era. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 906-907.	2.5	3
26	A Randomized Controlled Trial of the Lowest Effective Dose of Acetazolamide for Acute Mountain Sickness Prevention. <i>American Journal of Medicine</i> , 2020, 133, e706-e715.	0.6	11
27	Pulse Oximetry for Monitoring Patients with COVID-19 at Home. Potential Pitfalls and Practical Guidance. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1040-1046.	1.5	162
28	Early hours in the development of high-altitude pulmonary edema: time course and mechanisms. <i>Journal of Applied Physiology</i> , 2020, 128, 1539-1546.	1.2	22
29	Sympathetic Nervous System Activation and Vascular Endothelial Function With Chronic Hypoxia. <i>Circulation Research</i> , 2020, 127, 247-248.	2.0	4
30	COVID-19 Lung Injury is Not High Altitude Pulmonary Edema. <i>High Altitude Medicine and Biology</i> , 2020, 21, 192-193.	0.5	36
31	Development and Reporting of Prediction Models: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals. <i>Critical Care Medicine</i> , 2020, 48, 623-633.	0.4	188
32	Carbonic anhydrase is not a relevant nitrite reductase or nitrous anhydrase in the lung. <i>Journal of Physiology</i> , 2019, 597, 1045-1058.	1.3	10
33	How Basic Can You Be?. <i>Annals of the American Thoracic Society</i> , 2019, 16, 1057-1061.	1.5	1
34	Commentary: Intermittent Hypoxia Severity in Animal Models of Sleep Apnea. <i>Frontiers in Physiology</i> , 2019, 10, 609.	1.3	7
35	The many acid-base manifestations and consequences of hypoxia. <i>Current Opinion in Physiology</i> , 2019, 7, 72-81.	0.9	2
36	Carbonic Anhydrase Inhibitors for the Treatment of High-Altitude Hypoxemia. <i>American Journal of Medicine</i> , 2019, 132, e799-e800.	0.6	2

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37	Extrinsic acidosis suppresses glycolysis and migration while increasing network formation in pulmonary microvascular endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L188-L201.	1.3	15
38	The Unappreciated Role of Carbon Dioxide in Ventilation/Perfusion Matching. <i>Anesthesiology</i> , 2019, 131, 226-228.	1.3	8
39	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. <i>Annals of the American Thoracic Society</i> , 2019, 16, 22-28.	1.5	458
40	Does Aerobic Respiration Produce Carbon Dioxide or Hydrogen Ion and Bicarbonate?. <i>Anesthesiology</i> , 2018, 128, 873-879.	1.3	7
41	Carbonic anhydrase II does not exhibit Nitrite reductase or Nitrous Anhydrase Activity. <i>Free Radical Biology and Medicine</i> , 2018, 117, 1-5.	1.3	21
42	High Altitude and Cancer Mortality. <i>High Altitude Medicine and Biology</i> , 2018, 19, 116-123.	0.5	23
43	The STAR Data Reporting Guidelines for Clinical High Altitude Research. <i>High Altitude Medicine and Biology</i> , 2018, 19, 7-14.	0.5	18
44	Clinical recommendations for high altitude exposure of individuals with pre-existing cardiovascular conditions. <i>European Heart Journal</i> , 2018, 39, 1546-1554.	1.0	131
45	Higher prevalence of unrecognized kidney disease at high altitude. <i>Journal of Nephrology</i> , 2018, 31, 263-269.	0.9	20
46	Iron deficiency and infection: another pathway to explore in critically ill patients?. <i>Intensive Care Medicine</i> , 2018, 44, 2260-2262.	3.9	9
47	Attenuation of human hypoxic pulmonary vasoconstriction by acetazolamide and methazolamide. <i>Journal of Applied Physiology</i> , 2018, 125, 1795-1803.	1.2	18
48	Cardioprotection of benzolamide in a regional ischemia model: Role of eNOS/NO. <i>Experimental and Molecular Pathology</i> , 2018, 105, 345-351.	0.9	5
49	Effect of acetazolamide and methazolamide on diaphragm and dorsiflexor fatigue: a randomized controlled trial. <i>Journal of Applied Physiology</i> , 2018, 125, 770-779.	1.2	19
50	Benzolamide perpetuates acidic conditions during reperfusion and reduces myocardial ischemia-reperfusion injury. <i>Journal of Applied Physiology</i> , 2018, 125, 340-352.	1.2	13
51	From Ocean Deep to Mountain High: Similar Computed Tomography Findings in Immersion and High-Altitude Pulmonary Edema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1088-1089.	2.5	7
52	Acute high-altitude sickness. <i>European Respiratory Review</i> , 2017, 26, 160096.	3.0	273
53	Changes in acute pulmonary vascular responsiveness to hypoxia during a progressive ascent to high altitude (5300Åm). <i>Experimental Physiology</i> , 2017, 102, 711-724.	0.9	28
54	Findings of Cognitive Impairment at High Altitude: Relationships to Acetazolamide Use and Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , 2017, 18, 121-127.	0.5	23

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55	Susceptibility to high-altitude pulmonary edema is associated with a more uniform distribution of regional specific ventilation. <i>Journal of Applied Physiology</i> , 2017, 122, 844-852.	1.2	7
56	Acetazolamide and N -acetylcysteine in the treatment of chronic mountain sickness (Monge's disease). <i>Respiratory Physiology and Neurobiology</i> , 2017, 246, 1-8.	0.7	15
57	High-Altitude Pulmonary Vascular Diseases. <i>Advances in Pulmonary Hypertension</i> , 2017, 15, 149-157.	0.1	12
58	Increased consumption and vasodilatory effect of nitrite during exercise. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L354-L364.	1.3	8
59	PEGylated Bis-Sulfonamide Carbonic Anhydrase Inhibitors Can Efficiently Control the Growth of Several Carbonic Anhydrase IX-Expressing Carcinomas. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5077-5088.	2.9	53
60	Carbonic anhydrase inhibitors reduce cardiac dysfunction after sustained coronary artery ligation in rats. <i>Cardiovascular Pathology</i> , 2016, 25, 468-477.	0.7	12
61	Hypoxia and Its Acid-Base Consequences: From Mountains to Malignancy. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 301-323.	0.8	41
62	Pharmacology of acute mountain sickness: old drugs and newer thinking. <i>Journal of Applied Physiology</i> , 2016, 120, 204-215.	1.2	64
63	Acetazolamide during acute hypoxia improves tissue oxygenation in the human brain. <i>Journal of Applied Physiology</i> , 2015, 119, 1494-1500.	1.2	19
64	The noncarbonic anhydrase inhibiting acetazolamide analog <i>N</i> -methylacetazolamide reduces the hypercapnic, but not hypoxic, ventilatory response. <i>Physiological Reports</i> , 2015, 3, e12484.	0.7	5
65	The True Environmental Cost of Chlorofluorocarbon-Based Inhalers. <i>JAMA Internal Medicine</i> , 2015, 175, 1867.	2.6	0
66	On Receiving the Baton. <i>High Altitude Medicine and Biology</i> , 2015, 16, 270-270.	0.5	1
67	Evaluating the Risks of High Altitude Travel in Chronic Liver Disease Patients. <i>High Altitude Medicine and Biology</i> , 2015, 16, 80-88.	0.5	10
68	Is a Raised Eucapnic Blood Bicarbonate Value a Bellwether of Preclinical Obesity Hypoventilation Syndrome?. <i>Chest</i> , 2015, 147, 282-284.	0.4	5
69	Pulmonary vasodilation by acetazolamide during hypoxia: impact of methyl-group substitutions and administration route in conscious, spontaneously breathing dogs. <i>Journal of Applied Physiology</i> , 2014, 116, 715-723.	1.2	25
70	Carbonic Anhydrase Inhibitors and High Altitude Illnesses. <i>Sub-Cellular Biochemistry</i> , 2014, 75, 361-386.	1.0	61
71	The Lungs in Acute Mountain Sickness: Victim, Perpetrator, or Both?. <i>American Journal of Medicine</i> , 2014, 127, 899-900.	0.6	13
72	New Insights into Carbonic Anhydrase Inhibition, Vasodilation, and Treatment of Hypertensive-Related Diseases. <i>Current Hypertension Reports</i> , 2014, 16, 467.	1.5	41

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73	Acetazolamide and Inhaled Carbon Dioxide Reduce Periodic Breathing During Exercise in Patients With Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2014, 20, 278-288.	0.7	34
74	Hypoxic Pulmonary Vasoconstriction. <i>High Altitude Medicine and Biology</i> , 2013, 14, 101-110.	0.5	115
75	Effect of Acetazolamide and Gingko Biloba on the Human Pulmonary Vascular Response to an Acute Altitude Ascent. <i>High Altitude Medicine and Biology</i> , 2013, 14, 162-167.	0.5	31
76	Normal Exercise Capacity in Chronic Mountain Sickness. <i>Chest</i> , 2012, 142, 823-825.	0.4	6
77	High-Altitude Pulmonary Edema. , 2012, 2, 2753-2773.		121
78	Con: Rebuttal. <i>High Altitude Medicine and Biology</i> , 2011, 12, 131-132.	0.5	2
79	Sepsis and Therapeutic Hypercapnia. <i>Anesthesiology</i> , 2010, 112, 269-271.	1.3	4
80	Pulmonary vasodilation by acetazolamide during hypoxia is unrelated to carbonic anhydrase inhibition. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L178-L184.	1.3	49
81	Inhibition of hypoxia-induced calcium responses in pulmonary arterial smooth muscle by acetazolamide is independent of carbonic anhydrase inhibition. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1002-L1012.	1.3	62
82	Carbonic anhydrase inhibitors and hypoxic pulmonary vasoconstriction. <i>Respiratory Physiology and Neurobiology</i> , 2006, 151, 209-216.	0.7	41
83	Hypercapnic acidosis and mortality in acute lung injury*. <i>Critical Care Medicine</i> , 2006, 34, 1-7.	0.4	270
84	Acetazolamide prevents hypoxic pulmonary vasoconstriction in conscious dogs. <i>Journal of Applied Physiology</i> , 2004, 97, 515-521.	1.2	57
85	What do dead-space measurements tell us about the lung with acute respiratory distress syndrome?. <i>Respiratory Care</i> , 2004, 49, 1006-7.	0.8	10
86	A comparative approach to carbonic anhydrase: the work of Thomas H. Maren. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2003, 136, 229-241.	0.8	9
87	Contributions of nitric oxide synthase isoforms to exhaled nitric oxide and hypoxic pulmonary vasoconstriction in rabbit lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L834-L843.	1.3	42
88	Pathogenesis of High-Altitude Pulmonary Edema. <i>JAMA - Journal of the American Medical Association</i> , 2002, 287, 2228.	3.8	287
89	Inhibition of aquaporin-mediated CO <sub>2</sub> diffusion and voltage-gated H <sup>+</sup> channels by zinc does not alter rabbit lung CO <sub>2</sub> and NO excretion. <i>Clinical Science</i> , 2002, 103, 567-575.	1.8	18
90	Excessive erythrocytosis, chronic mountain sickness, and serum cobalt levels. <i>Lancet, The</i> , 2002, 359, 407-408.	6.3	84

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91	Acetazolamide reduces hypoxic pulmonary vasoconstriction in isolated perfused rabbit lungs. <i>Respiration Physiology</i> , 2000, 123, 109-119.	2.8	42
92	Identification and characterization of human neutrophil carbonic anhydrase. <i>Journal of Leukocyte Biology</i> , 1994, 55, 343-348.	1.5	14
93	Resuscitation from Severe Acute Hypercapnia. <i>Chest</i> , 1992, 102, 1742-1745.	0.4	76