

Erik R Swenson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

2,408
citations

25
h-index

47
g-index

95
ext. papers

3,122
ext. citations

5
avg. IF

5.81
L-index

#	Paper	IF	Citations
78	ERS/ATS technical standard on interpretive strategies for routine lung function tests.. <i>European Respiratory Journal</i> , 2021 ,	13.6	19
77	Myocardial and mitochondrial effects of the anhydrase carbonic inhibitor ethoxzolamide in ischemia-reperfusion. <i>Physiological Reports</i> , 2021 , 9, e15093	2.6	
76	Acid-base balance and cerebrovascular regulation. <i>Journal of Physiology</i> , 2021 ,	3.9	3
75	Sodium bicarbonate therapy for acute respiratory acidosis. <i>Current Opinion in Nephrology and Hypertension</i> , 2021 , 30, 223-230	3.5	4
74	Targeting Carbonic Anhydrases in Cardiovascular and Pulmonary Disease. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2021 , 37-77		
73	The Pathophysiology and Dangers of Silent Hypoxemia in COVID-19 Lung Injury. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1098-1105	4.7	14
72	The search for a model of high-altitude pulmonary oedema must continue. <i>Acta Physiologica</i> , 2021 , 231, e13485	5.6	0
71	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	10.2	3
70	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	4.9	2
69	Does inspiration of exhaled CO 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	10.8	1
68	Validity of Peripheral Oxygen Saturation Measurements with the Garmin FBix 5X Plus Wearable Device at 4559 m. <i>Sensors</i> , 2021 , 21,	3.8	3
67	Whither the Bicarbonate Era. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 906-907	10.2	1
66	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	2.4	5
65	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	4.7	81
64	Early hours in the development of high-altitude pulmonary edema: time course and mechanisms. <i>Journal of Applied Physiology</i> , 2020 , 128, 1539-1546	3.7	7
63	COVID-19 Lung Injury is Not High Altitude Pulmonary Edema. <i>High Altitude Medicine and Biology</i> , 2020 , 21, 192-193	1.9	29
62	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	1.4	86

61	Carbonic Anhydrase Inhibitors suppress platelet procoagulant responses and in vivo thrombosis. <i>Platelets</i> , 2020 , 31, 853-859	3.6	4
60	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	4.7	31
59	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	6.1	8
58	Lower Incidence of COVID-19 at High Altitude: Facts and Confounders. <i>High Altitude Medicine and Biology</i> , 2020 , 21, 217-222	1.9	38
57	Influence of methazolamide on the human control of breathing: A comparison to acetazolamide. <i>Experimental Physiology</i> , 2020 , 105, 293-301	2.4	4
56	The many acid-base manifestations and consequences of hypoxia. <i>Current Opinion in Physiology</i> , 2019 , 7, 72-81	2.6	1
55	Carbonic Anhydrase Inhibitors for the Treatment of High-Altitude Hypoxemia. <i>American Journal of Medicine</i> , 2019 , 132, e799-e800	2.4	1
54	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	5.8	12
53	Carbonic anhydrase is not a relevant nitrite reductase or nitrous anhydrase in the lung. <i>Journal of Physiology</i> , 2019 , 597, 1045-1058	3.9	6
52	How Basic Can You Be?. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 1057-1061	4.7	1
51	Commentary: Intermittent Hypoxia Severity in Animal Models of Sleep Apnea. <i>Frontiers in Physiology</i> , 2019 , 10, 609	4.6	2
50	The Unappreciated Role of Carbon Dioxide in Ventilation/Perfusion Matching. <i>Anesthesiology</i> , 2019 , 131, 226-228	4.3	6
49	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	4.7	267
48	Does Aerobic Respiration Produce Carbon Dioxide or Hydrogen Ion and Bicarbonate?. <i>Anesthesiology</i> , 2018 , 128, 873-879	4.3	4
47	Carbonic anhydrase II does not exhibit Nitrite reductase or Nitrous Anhydrase Activity. <i>Free Radical Biology and Medicine</i> , 2018 , 117, 1-5	7.8	15
46	High Altitude and Cancer Mortality. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 116-123	1.9	16
45	The STAR Data Reporting Guidelines for Clinical High Altitude Research. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 7-14	1.9	8
44	Clinical recommendations for high altitude exposure of individuals with pre-existing cardiovascular conditions: A joint statement by the European Society of Cardiology, the Council on Hypertension of the European Society of Cardiology, the European Society of Hypertension, the International Society of Mountain Medicine, the Italian Society of Hypertension and the Italian Society of Mountain Medicine. <i>European Heart Journal</i> , 2018 , 39, 1546-1554	9.5	77

43	Effect of acetazolamide and methazolamide on diaphragm and dorsiflexor fatigue: a randomized controlled trial. <i>Journal of Applied Physiology</i> , 2018 , 125, 770-779	3.7	16
42	Benzolamide perpetuates acidic conditions during reperfusion and reduces myocardial ischemia-reperfusion injury. <i>Journal of Applied Physiology</i> , 2018 , 125, 340-352	3.7	9
41	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	10.2	6
40	Higher prevalence of unrecognized kidney disease at high altitude. <i>Journal of Nephrology</i> , 2018 , 31, 263-269	4.9	10
39	Attenuation of human hypoxic pulmonary vasoconstriction by acetazolamide and methazolamide. <i>Journal of Applied Physiology</i> , 2018 ,	3.7	14
38	Cardioprotection of benzolamide in a regional ischemia model: Role of eNOS/NO. <i>Experimental and Molecular Pathology</i> , 2018 , 105, 345-351	4.4	3
37	Acute high-altitude sickness. <i>European Respiratory Review</i> , 2017 , 26,	9.8	140
36	Changes in acute pulmonary vascular responsiveness to hypoxia during a progressive ascent to high altitude (5300m). <i>Experimental Physiology</i> , 2017 , 102, 711-724	2.4	22
35	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	1.9	16
34	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	3.7	4
33	Acetazolamide and N-acetylcysteine in the treatment of chronic mountain sickness (Monge's disease). <i>Respiratory Physiology and Neurobiology</i> , 2017 , 246, 1-8	2.8	11
32	High-Altitude Pulmonary Vascular Diseases. <i>Advances in Pulmonary Hypertension</i> , 2017 , 15, 149-157	0.5	11
31	Hypoxia and Its Acid-Base Consequences: From Mountains to Malignancy. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 903, 301-23	3.6	25
30	Pharmacology of acute mountain sickness: old drugs and newer thinking. <i>Journal of Applied Physiology</i> , 2016 , 120, 204-15	3.7	48
29	Increased consumption and vasodilatory effect of nitrite during exercise. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L354-64	5.8	5
28	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, 5077-88	8.3	45
27	Carbonic anhydrase inhibitors reduce cardiac dysfunction after sustained coronary artery ligation in rats. <i>Cardiovascular Pathology</i> , 2016 , 25, 468-477	3.8	11
26	Evaluating the Risks of High Altitude Travel in Chronic Liver Disease Patients. <i>High Altitude Medicine and Biology</i> , 2015 , 16, 80-8	1.9	6

25	Acetazolamide during acute hypoxia improves tissue oxygenation in the human brain. <i>Journal of Applied Physiology</i> , 2015 , 119, 1494-500	3.7	12
24	The noncarbonic anhydrase inhibiting acetazolamide analog N-methylacetazolamide reduces the hypercapnic, but not hypoxic, ventilatory response. <i>Physiological Reports</i> , 2015 , 3, e12484	2.6	4
23	The True Environmental Cost of Chlorofluorocarbon-Based Inhalers. <i>JAMA Internal Medicine</i> , 2015 , 175, 1867	11.5	
22	New insights into carbonic anhydrase inhibition, vasodilation, and treatment of hypertensive-related diseases. <i>Current Hypertension Reports</i> , 2014 , 16, 467	4.7	33
21	Acetazolamide and inhaled carbon dioxide reduce periodic breathing during exercise in patients with chronic heart failure. <i>Journal of Cardiac Failure</i> , 2014 , 20, 278-88	3.3	30
20	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, 715-23	3.7	17
19	Carbonic anhydrase inhibitors and high altitude illnesses. <i>Sub-Cellular Biochemistry</i> , 2014 , 75, 361-86	5.5	42
18	Hypoxic pulmonary vasoconstriction. <i>High Altitude Medicine and Biology</i> , 2013 , 14, 101-10	1.9	86
17	Effect of acetazolamide and ginkgo biloba on the human pulmonary vascular response to an acute altitude ascent. <i>High Altitude Medicine and Biology</i> , 2013 , 14, 162-7	1.9	23
16	High-altitude pulmonary edema. <i>Comprehensive Physiology</i> , 2012 , 2, 2753-73	7.7	76
15	Con: rebuttal. <i>High Altitude Medicine and Biology</i> , 2011 , 12, 131-2	1.9	2
14	Sepsis and therapeutic hypercapnia: sailing too close to the wind?. <i>Anesthesiology</i> , 2010 , 112, 269-71	4.3	4
13	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, L178-84	5.8	40
12	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, L1002-12	5.8	51
11	Carbonic anhydrase inhibitors and hypoxic pulmonary vasoconstriction. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 151, 209-16	2.8	34
10	Hypercapnic acidosis and mortality in acute lung injury. <i>Critical Care Medicine</i> , 2006 , 34, 1-7	1.4	235
9	Acetazolamide prevents hypoxic pulmonary vasoconstriction in conscious dogs. <i>Journal of Applied Physiology</i> , 2004 , 97, 515-21	3.7	49
8	Contributions of nitric oxide synthase isozymes to exhaled nitric oxide and hypoxic pulmonary vasoconstriction in rabbit lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003 , 284, L834-43	5.8	39

7	A comparative approach to carbonic anhydrase: the work of Thomas H. Maren. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003 , 136, 229-41	2.6	8
6	Pathogenesis of high-altitude pulmonary edema: inflammation is not an etiologic factor. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 287, 2228-35	27.4	235
5	Inhibition of aquaporin-mediated CO ₂ diffusion and voltage-gated H ⁺ channels by zinc does not alter rabbit lung CO ₂ and NO excretion. <i>Clinical Science</i> , 2002 , 103, 567-75	6.5	16
4	Excessive erythrocytosis, chronic mountain sickness, and serum cobalt levels. <i>Lancet, The</i> , 2002 , 359, 407-8	40	66
3	Acetazolamide reduces hypoxic pulmonary vasoconstriction in isolated perfused rabbit lungs. <i>Respiration Physiology</i> , 2000 , 123, 109-19		34
2	Identification and characterization of human neutrophil carbonic anhydrase. <i>Journal of Leukocyte Biology</i> , 1994 , 55, 343-8	6.5	13
1	Resuscitation from severe acute hypercapnia. Determinants of tolerance and survival. <i>Chest</i> , 1992 , 102, 1742-5	5.3	61