Philippe Haouzi

List of Publications by Year
in descending order

113 papers	1,877 citations	257101 24 h-index	329751 37 g-index
116 all docs	116 docs citations	116 times ranked	1557 citing authors

#	Article	IF	Citations
1	Control of Breathing During Exercise. , 2012, 2, 743-777.		168
2	The VË™<scp>o</scp> ₂ slow component for severe exercise depends on type of exercise and is not correlated with time to fatigue. Journal of Applied Physiology, 1998, 85, 2118-2124.	1.2	100
3	Responses of group III and IV muscle afferents to distension of the peripheral vascular bed. Journal of Applied Physiology, 1999, 87, 545-553.	1.2	100
4	Sensing vascular distension in skeletal muscle by slow conducting afferent fibers: neurophysiological basis and implication for respiratory control. Journal of Applied Physiology, 2004, 96, 407-418.	1.2	92
5	H2S induced hypometabolism in mice is missing in sedated sheep. Respiratory Physiology and Neurobiology, 2008, 160, 109-115.	0.7	91
6	Theories on the nature of the coupling between ventilation and gas exchange during exercise. Respiratory Physiology and Neurobiology, 2006, 151, 267-279.	0.7	65
7	Hydrogen Sulfide Toxicity: Mechanism of Action, Clinical Presentation, and Countermeasure Development. Journal of Medical Toxicology, 2019, 15, 287-294.	0.8	62
8	Comparison of the metabolic and ventilatory response to hypoxia and H2S in unsedated mice and rats. Respiratory Physiology and Neurobiology, 2009, 167, 316-322.	0.7	53
9	H₂S concentrations in the arterial blood during H₂S administration in relation to its toxicity and effects on breathing. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R630-R638.	0.9	48
10	High-dose hydroxocobalamin administered after H₂S exposure counteracts sulfide-poisoning-induced cardiac depression in sheep. Clinical Toxicology, 2015, 53, 28-36.	0.8	37
11	Hydrogen sulfide intoxication induced brain injury and methylene blue. Neurobiology of Disease, 2020, 133, 104474.	2.1	35
12	Hydrogen sulfide oxidation and the arterial chemoreflex: Effect of methemoglobin. Respiratory Physiology and Neurobiology, 2011, 177, 273-283.	0.7	33
13	In Vivo Interactions Between Cobalt or Ferric Compounds and the Pools of Sulphide in the Blood During and After H2S Poisoning. Toxicological Sciences, 2014, 141, 493-504.	1.4	33
14	Developing effective countermeasures against acute hydrogen sulfide intoxication: challenges and limitations. Annals of the New York Academy of Sciences, 2016, 1374, 29-40.	1.8	33
15	A mouse is not a rat is not a man: species-specific metabolic responses to sepsis - a nail in the coffin of murine models for critical care research?. Intensive Care Medicine Experimental, 2013, 1, 26.	0.9	32
16	Murine models in critical care research*. Critical Care Medicine, 2011, 39, 2290-2293.	0.4	30
17	Ventilatory and metabolic effects of exogenous hydrogen sulfide. Respiratory Physiology and Neurobiology, 2012, 184, 170-177.	0.7	30
18	A plea for avoiding systematic intubation in severely hypoxemic patients with COVID-19-associated respiratory failure. Critical Care, 2020, 24, 337.	2.5	30

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19	Hypocapnia increases the prevalence of hypoxia-induced augmented breaths. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R334-R344.	0.9	29
20	Ferric Iron and Cobalt (III) Compounds to Safely Decrease Hydrogen Sulfide in the Body?. Antioxidants and Redox Signaling, 2013, 19, 510-516.	2.5	29
21	Immediate and Long-Term Outcome of Acute H2S Intoxication Induced Coma in Unanesthetized Rats: Effects of Methylene Blue. PLoS ONE, 2015, 10, e0131340.	1.1	28
22	Control of arterialPCO2by somatic afferents in sheep. Journal of Physiology, 2005, 569, 975-987.	1.3	26
23	Oxygen deficit and H2S in hemorrhagic shock in rats. Critical Care, 2012, 16, R178.	2.5	25
24	Methylene blue counteracts H₂S toxicity-induced cardiac depression by restoring L-type Ca channel activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1030-R1044.	0.9	25
25	Breathing patterns during cardiac arrest. Journal of Applied Physiology, 2010, 109, 405-411.	1.2	24
26	H₂S induced coma and cardiogenic shock in the rat: Effects of phenothiazinium chromophores. Clinical Toxicology, 2015, 53, 525-539.	0.8	24
27	Sulfide Intoxication-Induced Circulatory Failure is Mediated by a Depression in Cardiac Contractility. Cardiovascular Toxicology, 2016, 16, 67-78.	1.1	24
28	Interactions between volitional and automatic breathing during respiratory apraxia. Respiratory Physiology and Neurobiology, 2006, 152, 169-175.	0.7	23
29	Control of breathing and volitional respiratory rhythm in humans. Journal of Applied Physiology, 2009, 106, 904-910.	1.2	23
30	The control of ventilation is dissociated from locomotion during walking in sheep. Journal of Physiology, 2004, 559, 315-325.	1.3	20
31	The hypoxia-induced facilitation of augmented breaths is suppressed by the common effect of carbonic anhydrase inhibition. Respiratory Physiology and Neurobiology, 2010, 171, 201-211.	0.7	20
32	The â€œotherâ€•respiratory effect of opioids: suppression of spontaneous augmented (â€œsighâ€) breaths. Journal of Applied Physiology, 2011, 111, 1296-1303.	1.2	19
33	Hypoxia-induced arterial chemoreceptor stimulation and Hydrogen sulfide: Too much or too little?. Respiratory Physiology and Neurobiology, 2011, 179, 97-102.	0.7	19
34	Tracking pulmonary gas exchange by breathing control during exercise: role of muscle blood flow. Journal of Physiology, 2014, 592, 453-461.	1.3	19
35	Revisiting the physiological effects of methylene blue as a treatment of cyanide intoxication. Clinical Toxicology, 2018, 56, 828-840.	0.8	18
36	Methylene blue counteracts cyanide cardiotoxicity: cellular mechanisms. Journal of Applied Physiology, 2018, 124, 1164-1176.	1.2	17

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37	Methylene Blue Administration During and After Life-Threatening Intoxication by Hydrogen Sulfide: Efficacy Studies in Adult Sheep and Mechanisms of Action. Toxicological Sciences, 2019, 168, 443-459.	1.4	17
38	Acetazolamide suppresses the prevalence of augmented breaths during exposure to hypoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R370-R381.	0.9	16
39	Inhibitory effects of hyperoxia and methemoglobinemia on H2S induced ventilatory stimulation in the rat. Respiratory Physiology and Neurobiology, 2012, 181, 326-334.	0.7	16
40	Fate of intracellular H2S/HSâˆ' and metallo-proteins. Respiratory Physiology and Neurobiology, 2013, 188, 229-230.	0.7	15
41	Methylene Blue Counteracts H2S-Induced Cardiac Ion Channel Dysfunction and ATP Reduction. Cardiovascular Toxicology, 2018, 18, 407-419.	1.1	14
42	Effects of body position on the ventilatory response following an impulse exercise in humans. Journal of Applied Physiology, 2002, 92, 1423-1433.	1.2	13
43	Control of breathing during cortical substitution of the spontaneous automatic respiratory rhythm. Respiratory Physiology and Neurobiology, 2007, 159, 211-218.	0.7	13
44	H₂S concentrations in the heart after acute H₂S administration: methodological and physiological considerations. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1445-H1458.	1.5	13
45	Control of breathing and muscle perfusion in humans. Experimental Physiology, 2001, 86, 759-768.	0.9	12
46	Uncoupling mitochondrial activity maintains body <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si47.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mover accent="true"><mml:mi>V</mml:mi><mml:mo>Ë™</mml:mo></mml:mover><mml:mrow><mml:msub><mml:mtext>O</mml:mtext><r during hemorrhage-induced O2 deficit in the anesthetized rat. Respiratory Physiology and Neurobiology, 2013, 186, 87-94.	0.7	12
47	Intramuscular cobinamide versus saline for treatment of severe hydrogen sulfide toxicity in swine. Clinical Toxicology, 2019, 57, 189-196.	0.8	12
48	Are H₂S-trapping compounds pertinent to the treatment of sulfide poisoning?. Clinical Toxicology, 2014, 52, 566-566.	0.8	11
49	Is exogenous hydrogen sulfide a relevant tool to address physiological questions on hydrogen sulfide?. Respiratory Physiology and Neurobiology, 2016, 229, 5-10.	0.7	11
50	Isolation of the Arterial Supply to the Carotid and Central Chemoreceptors in the Sheep. Experimental Physiology, 2003, 88, 581-594.	0.9	10
51	Circulatory Failure During Noninhaled Forms of Cyanide Intoxication. Shock, 2017, 47, 352-362.	1.0	10
52	Antidotal Effects of the Phenothiazine Chromophore Methylene Blue Following Cyanide Intoxication. Toxicological Sciences, 2019, 170, 82-94.	1.4	10
53	Precedence and autocracy in breathing control. Journal of Applied Physiology, 2015, 118, 1553-1556.	1.2	9
54	Evidence for the emergence of an opioidâ€resistant respiratory rhythm following fentanyl overdose. Respiratory Physiology and Neurobiology, 2020, 277, 103428.	0.7	9

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55	Respiratory effects of low and high doses of fentanyl in control and Î²-arrestin 2-deficient mice. Journal of Neurophysiology, 2021, 125, 1396-1407.	0.9	9
56	Corticospinal pathway and exercise hyperpnea: lessons from a patient with Arnold Chiari malformation. Respiration Physiology, 2000, 123, 13-22.	2.8	8
57	Cardiogenic shock induced reduction in cellular O₂delivery as a hallmark of acute H₂S intoxication. Clinical Toxicology, 2015, 53, 416-417.	0.8	8
58	Description of Particle Size, Distribution, and Behavior of Talc Preparations Commercially Available Within the United States. Journal of Bronchology and Interventional Pulmonology, 2018, 25, 25-30.	0.8	8
59	Azure B as a novel cyanide antidote: Preclinical in-vivo studies. Toxicology Reports, 2020, 7, 1459-1464.	1.6	8
60	Severe Hypoxemia Prevents Spontaneous and Naloxone-induced Breathing Recovery after Fentanyl Overdose in Awake and Sedated Rats. Anesthesiology, 2020, 132, 1138-1150.	1.3	8
61	Effects of fentanyl overdose-induced muscle rigidity and dexmedetomidine on respiratory mechanics and pulmonary gas exchange in sedated rats. Journal of Applied Physiology, 2022, 132, 1407-1422.	1.2	8
62	Respiratory effects of changing the volume load imposed on the peripheral venous system. Respiratory Physiology and Neurobiology, 2010, 171, 175-180.	0.7	7
63	Sulfide and methemoglobinemia. Respiratory Physiology and Neurobiology, 2011, 179, 119-120.	0.7	7
64	Rapid Glomerulotubular Nephritis as an Initial Presentation of a Lethal Diquat Ingestion. Case Reports in Nephrology, 2021, 2021, 1-3.	0.2	7
65	Hypocapnia-dependent facilitation of augmented breaths: Observations in awake vs. anesthetized rats. Respiratory Physiology and Neurobiology, 2012, 180, 105-111.	0.7	6
66	On the Efficacy of Cardio-Pulmonary Resuscitation and Epinephrine Following Cyanide- and H2S Intoxication-Induced Cardiac Asystole. Cardiovascular Toxicology, 2018, 18, 436-449.	1.1	6
67	The Central Role of Protein Kinase C Epsilon in Cyanide Cardiotoxicity and Its Treatment. Toxicological Sciences, 2019, 171, 247-257.	1.4	6
68	Antidotal effects of methylene blue against cyanide neurological toxicity: <i>in vivo</i> and <i>in vitro</i> studies. Annals of the New York Academy of Sciences, 2020, 1479, 108-121.	1.8	6
69	Heart rate dynamics during sinusoidal exercise: comparison of the control system between children and adults. Computer Methods and Programs in Biomedicine, 1999, 60, 35-44.	2.6	5
70	Venous pressure and dyspnea on exertion in cardiac failure: Was Tinsley Randolph Harrison right?. Respiratory Physiology and Neurobiology, 2009, 167, 101-106.	0.7	5
71	Initiating inspiration outside the medulla does produce eupneic breathing. Journal of Applied Physiology, 2011, 110, 854-856.	1.2	5
72	On the inaccuracy of breath-by-breath metabolic gas exchange systems. Respiratory Physiology and Neurobiology, 2016, 233, 14-16.	0.7	5

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73	Hydrogen Sulfide Specifically Alters NAD(P)H Quinone Dehydrogenase 1 (NQO1) Olfactory Neurons in the Rat. Neuroscience, 2017, 366, 105-112.	1.1	5
74	The ventilatory component of the muscle metaboreflex: catch me if you can!. Experimental Physiology, 2020, 105, 2246-2249.	0.9	5
75	Breathing during cardiac arrest following exercise: A new function of the respiratory system?. Respiratory Physiology and Neurobiology, 2012, 181, 220-227.	0.7	4
76	Periodic Breathing With No Heart Beat. Chest, 2013, 144, 1378-1380.	0.4	4
77	Oxygen-related chemoreceptor drive to breathe during H2S infusion. Respiratory Physiology and Neurobiology, 2014, 201, 24-30.	0.7	4
78	Mechanics of Breathing and Gas Exchange in Mechanically Ventilated Patients with COVID-19â€“associated Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 626-628.	2.5	4
79	Persistent reduced oxygen requirement following blood transfusion during recovery from hemorrhagic shock. Respiratory Physiology and Neurobiology, 2015, 215, 39-46.	0.7	3
80	Particle size, distribution, and behavior of talc preparations. Current Opinion in Pulmonary Medicine, 2019, 25, 374-379.	1.2	3
81	Share Patients, Not Ventilators. Chest, 2020, 158, 2235-2236.	0.4	3
82	Revisiting the effects of the reciprocal function between alveolar ventilation and CO₂ partial pressure (PACO₂) on PACO₂ homeostasis at rest and in exercise. Journal of Applied Physiology, 2022, , .	1.2	3
83	Control of breathing during acute change in cardiac preload in a patient with partial cardiopulmonary bypass. Respiratory Physiology and Neurobiology, 2010, 170, 37-43.	0.7	2
84	Tension Pneumopericardium During Peroral Endoscopic Myotomy: A Case Report and Review of Literature. Chest, 2016, 150, 265A.	0.4	2
85	Breathing requirement and metabolic rate during cardiopulmonary resuscitation: Cardiac arrest during exercise. Critical Care Medicine, 2010, 38, 1760-1761.	0.4	1
86	Vancomycin Induced DRESS Syndrome: An Unusual Cause Of Life Threatening Stridor And Bronchoconstriction. , 2010, , .		1
87	Tissue hypoxia during acute hemorrhage. Critical Care, 2013, 17, 423.	2.5	1
88	Whether to Breathe Fast or Not: What Is Wrong with Breathing Control in Patients with Mild Obstructive Pulmonary Disease?. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1524-1525.	2.5	1
89	Last Word on Viewpoint: Precedence and autocracy in breathing control. Journal of Applied Physiology, 2015, 118, 1560-1560.	1.2	1
90	Nondyspnogenic respiratory failure in patients with COVID-19: another example of myth-building in this new disease?. Journal of Applied Physiology, 2021, 131, 1134-1135.	1.2	1

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91	H1N1influenza Virus Revealed By Diffuse Alveolar Hemorrhage. , 2010, , .		0
92	Evidence Against The Role Of The Arterial Chemoreflex In The Generation Of Cheyne-Stokes Breathing In Severe Heart Failure. , 2012, , .		0
93	Metabolic and ventilatory depression in rat. Journal of Applied Physiology, 2012, 113, 514-514.	1.2	0
94	Alveolar CO2 Decreases Dramatically At The Onset Of Cardiac Arrest (CA). , 2012, , .		0
95	Negative Interaction Between Hypoxia And Hydrogen Sulfide On The Arterial Chemoreflex. , 2012, , .		0
96	Slow Conducting Diaphragmatic Afferent Fibers Produce Dyspnea In Humans. , 2012, , .		0
97	Neck Pain and Dyspnea: Lessons from a Patient with Zoster. Pain Medicine, 2012, 13, 1250-1252.	0.9	0
98	Arterial blood acidity and control of breathing during exercise. Respiratory Physiology and Neurobiology, 2012, 180, 173-174.	0.7	0
99	Noninvasive Positive Pressure Ventilation in Acute Respiratory Failure. , 2015, , 247-269.		0
100	EFFICACY OF INTRAMUSCULAR COBINAMIDE TREATMENT OF SEVERE INHALED HYDROGEN SULFIDE POISONING IN A RABBIT MODEL. Chest, 2018, 154, 323A.	0.4	0
101	BILIOTHORAX SECONDARY TO INCIDENTAL BOCHDALEK HERNIA: AN UNEXPECTED DETOUR. Chest, 2018, 154, 501A.	0.4	0
102	1179: THE VITAMIN B12 ANALOG COBINAMIDE: EFFICACY EVALUATION AS A MULTICHEMICAL AGENT ANTIDOTE. Critical Care Medicine, 2019, 47, 566-566.	0.4	0
103	Exchange of Views rebuttal: Reply to White and Bruce. Experimental Physiology, 2020, 105, 2254-2255.	0.9	0
104	INTRATRACHEAL SALINE BOLUS INCREASES SURVIVABILITY IN RABBITS EXPOSED TO LETHAL DOSE OF INHALED HYDROGEN SULFIDE. Chest, 2020, 158, A1864-A1865.	0.4	0
105	CO2 status as a controller of blood flow redistribution and autoâ€resuscitation during anoxiaâ€induced apnea in the sheep. FASEB Journal, 2009, 23, 1010.12.	0.2	0
106	Respiratory alkalosis is the determinant of the increased production of augmented breaths triggered by hypoxia. FASEB Journal, 2009, 23, 1010.13.	0.2	0
107	Last Word on Viewpoint: Initiating inspiration outside the medulla does produce eupneic breathing. Journal of Applied Physiology, 2011, 110, 859-859.	1.2	0
108	The effects of two common injectable laboratory anesthetics on the regulation of augmented (â€˜sighâ€™) breaths. FASEB Journal, 2012, 26, 704.22.	0.2	0

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109	POSTâ€EXERCISE HYPERPNEA AND CARDIAC ASYSTOLE. FASEB Journal, 2012, 26, 1071.16.	0.2	0
110	Very low levels of H2S in the blood are needed to affect the medullary respiratory neurons and the arterial chemoreceptors inâ€vivo. FASEB Journal, 2013, 27, .	0.2	0
111	Effects of Hydrogen Sulfide on Circulation. FASEB Journal, 2015, 29, 640.1.	0.2	0
112	HYPOXEMIA PREVENTS RECOVERY FOLLOWING FENTANYL OVERDOSE IN AWAKE AND SEDATED RATS. FASEB Journal, 2020, 34, 1-1.	0.2	0
113	OPIOIDâ€RESISTANT RESPIRATORY RHYTHM SPONTANEOUSLY RESCUING UNâ€ANESTHETIZED RATS FOLLOWING FENTANYL OVERDOSE INDUCED APNEA. FASEB Journal, 2020, 34, 1-1.	0.2	0