Helen A Christou

List of Publications by Year
in descending order

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55 papers	3,158 citations	201385 27 h-index	174990 52 g-index
55 all docs	55 docs citations	55 times ranked	3919 citing authors

#	Article	IF	Citations
1	Hypoxia induces severe right ventricular dilatation and infarction in heme oxygenase-1 null mice. Journal of Clinical Investigation, 1999, 103, R23-R29.	3.9	377
2	Targeted expression of heme oxygenase-1 prevents the pulmonary inflammatory and vascular responses to hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8798-8803.	3.3	364
3	Carbon Monoxide and Nitric Oxide Suppress the Hypoxic Induction of Vascular Endothelial Growth Factor Gene via the 5â€² Enhancer. Journal of Biological Chemistry, 1998, 273, 15257-15262.	1.6	210
4	Current Concepts in Intrauterine Growth Restriction. Journal of Intensive Care Medicine, 2004, 19, 307-319.	1.3	208
5	Prevention of Hypoxia-Induced Pulmonary Hypertension by Enhancement of Endogenous Heme Oxygenase-1 in the Rat. Circulation Research, 2000, 86, 1224-1229.	2.0	198
6	Cord Blood Leptin and Insulin-Like Growth Factor Levels are Independent Predictors of Fetal Growth. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 935-938.	1.8	168
7	Increased Vascular Endothelial Growth Factor Production in the Lungs of Rats with Hypoxia-induced Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 768-776.	1.4	165
8	Gender Differences in Research Grant Applications and Funding Outcomes for Medical School Faculty. Journal of Women's Health, 2008, 17, 207-214.	1.5	119
9	Mechanisms by which oxygen regulates gene expression and cell-cell interaction in the vasculature. Kidney International, 1997, 51, 438-443.	2.6	93
10	Vitamin D status among preterm and full-term infants at birth. Pediatric Research, 2014, 75, 75-80.	1.1	93
11	Inhaled nitric oxide reduces the need for extracorporeal membrane oxygenation in infants with persistent pulmonary hypertension of the newborn. Critical Care Medicine, 2000, 28, 3722-3727.	0.4	87
12	Effect of inhaled nitric oxide on endothelin-1 and cyclic guanosine 5`-monophosphate plasma concentrations in newborn infants with persistent pulmonary hypertension. Journal of Pediatrics, 1997, 130, 603-611.	0.9	79
13	Control of human hemoglobin switching by LIN28B-mediated regulation of BCL11A translation. Nature Genetics, 2020, 52, 138-145.	9.4	73
14	Impaired Vasoconstriction and Nitric Oxide-Mediated Relaxation in Pulmonary Arteries of Hypoxia- and Monocrotaline-Induced Pulmonary Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 455-462.	1.3	71
15	Pharmacological Strategies in the Prevention and Management of Bronchopulmonary Dysplasia. Seminars in Perinatology, 2006, 30, 209-218.	1.1	52
16	An update on pharmacologic approaches to bronchopulmonary dysplasia. Seminars in Perinatology, 2013, 37, 115-123.	1.1	48
17	Carbonic Anhydrase Inhibition Ameliorates Inflammation and Experimental Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 512-524.	1.4	43
18	Endothelial Indoleamine 2,3-Dioxygenase Protects against Development of Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 482-491.	2.5	41

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19	Extracellular acidosis induces heme oxygenase-1 expression in vascular smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2647-H2652.	1.5	40
20	Hemopexin in severe inflammation and infection: mouse models and human diseases. Critical Care, 2015, 19, 166.	2.5	40
21	Leptin in Relation to Growth and Developmental Processes in the Fetus. Seminars in Reproductive Medicine, 2002, 20, 123-130.	0.5	38
22	Adjuvant Effect of Bacille Calmetteâ€“GuÃ©rin on Hepatitis B Vaccine Immunogenicity in the Preterm and Term Newborn. Frontiers in Immunology, 2018, 9, 29.	2.2	36
23	Primary Ciliary Dyskinesia as a Cause of Neonatal Respiratory Distress: Implications for the Neonatologist. Journal of Perinatology, 2003, 23, 684-687.	0.9	33
24	Hypoxic Responses of Vascular Cells. Chest, 1998, 114, 25S-28S.	0.4	32
25	Cord blood irisin levels are positively correlated with birth weight in newborn infants. Metabolism: Clinical and Experimental, 2015, 64, 1507-1514.	1.5	31
26	Vitamin D and bronchopulmonary dysplasia in preterm infants. Journal of Perinatology, 2016, 36, 878-882.	0.9	31
27	Lung Injury and Bronchopulmonary Dysplasia in Newborn Infants. Journal of Intensive Care Medicine, 2005, 20, 76-87.	1.3	29
28	The p38 mitogenâ€activated protein kinase pathway is involved in the regulation of heme oxygenaseâ€1 by acidic extracellular pH in aortic smooth muscle cells. Journal of Cellular Biochemistry, 2008, 105, 1298-1306.	1.2	26
29	Improved pulmonary vascular reactivity and decreased hypertrophic remodeling during nonhypercapnic acidosis in experimental pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L875-L890.	1.3	26
30	Elk-3 is a KLF4-regulated gene that modulates the phagocytosis of bacteria by macrophages. Journal of Leukocyte Biology, 2015, 97, 171-180.	1.5	26
31	Divergent Cardiopulmonary Actions of Heme Oxygenase Enzymatic Products in Chronic Hypoxia. PLoS ONE, 2009, 4, e5978.	1.1	24
32	Current Pharmacologic Approaches for Prevention and Treatment of Bronchopulmonary Dysplasia. International Journal of Pediatrics (United Kingdom), 2012, 2012, 1-9.	0.2	24
33	Impaired Pulmonary Arterial Vasoconstriction and Nitric Oxideâ€“Mediated Relaxation Underlie Severe Pulmonary Hypertension in the Sugen-Hypoxia Rat Model. Journal of Pharmacology and Experimental Therapeutics, 2018, 364, 258-274.	1.3	24
34	Macrophage FABP4 is required for neutrophil recruitment and bacterial clearance in Pseudomonas aeruginosa pneumonia. FASEB Journal, 2019, 33, 3562-3574.	0.2	24
35	Mechanisms of pulmonary vascular dysfunction in pulmonary hypertension and implications for novel therapies. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H702-H724.	1.5	22
36	Placental proteases PAPP-A and PAPP-A2, the binding proteins they cleave (IGFBP-4 and -5), and IGF-I and IGF-II: Levels in umbilical cord blood and associations with birth weight and length. Metabolism: Clinical and Experimental, 2019, 100, 153959.	1.5	17

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37	Heme Oxygenase-1 Does Not Mediate the Effects of Extracellular Acidosis on Vascular Smooth Muscle Cell Proliferation, Migration, and Susceptibility to Apoptosis. Journal of Vascular Research, 2011, 48, 285-296.	0.6	16
38	Cord Blood Adipocyte Fatty Acidâ€“Binding Protein Levels Correlate With Gestational Age and Birth Weight in Neonates. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1606-1613.	1.8	15
39	Is There More to Zika? Complex Cardiac Disease in a Case of Congenital Zika Syndrome. Neonatology, 2018, 113, 177-182.	0.9	14
40	Inhaled Nitric Oxide Does Not Affect Adenosine 5'-Diphosphate-dependent Platelet Activation in Infants With Persistent Pulmonary Hypertension of the Newborn. Pediatrics, 1998, 102, 1390-1393.	1.0	13
41	Mechanisms of Heme Oxygenase-1-Mediated Cardiac and Pulmonary Vascular Protection in Chronic Hypoxia. Chest, 2005, 128, 578S-579S.	0.4	11
42	Echocardiographic markers of pulmonary hemodynamics and right ventricular hypertrophy in rat models of pulmonary hypertension. Pulmonary Circulation, 2020, 10, 1-10.	0.8	11
43	Cord blood levels of osteopontin as a phenotype marker of gestational age and neonatal morbidities. Obesity, 2014, 22, 1317-1324.	1.5	9
44	Sustaining careers of physician-scientists in neonatology and pediatric critical care medicine: formulating supportive departmental policies. Pediatric Research, 2016, 80, 635-640.	1.1	9
45	Cerebral Endothelial Nitric Oxide Synthase Expression is Reduced After Very Low Flow Bypass. Annals of Thoracic Surgery, 2006, 81, 2202-2206.	0.7	8
46	Establishing Effective Mentoring Networks: Rationale and Strategies. MedEdPORTAL: the Journal of Teaching and Learning Resources, 2017, 13, 10571.	0.5	8
47	Intrauterine Closure of the Ductus Arteriosus: Implications for the Neonatologist. American Journal of Perinatology, 2009, 26, 473-478.	0.6	6
48	Early caloric deprivation in preterm infants affects Bayley-III scales performance at 18â€“24 months of corrected age. Research in Developmental Disabilities, 2019, 91, 103429.	1.2	6
49	Adipokines and Metabolic Regulators in Human and Experimental Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2021, 22, 1435.	1.8	6
50	Sex Hormones and Vascular Protection in Pulmonary Arterial Hypertension. Journal of Cardiovascular Pharmacology, 2010, 56, 471-474.	0.8	5
51	Acetazolamide Improves Right Ventricular Function and Metabolic Gene Dysregulation in Experimental Pulmonary Arterial Hypertension. Frontiers in Cardiovascular Medicine, 2021, 8, 662870.	1.1	4
52	Carbonic anhydrase inhibition improves pulmonary artery reactivity and nitric oxide-mediated relaxation in sugen-hypoxia model of pulmonary hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R835-R850.	0.9	4
53	Changes, Challenges, and Variations in Neonatal-Perinatal Medicine Fellowship: A View from the Program Directors. American Journal of Perinatology, 2022, 0, .	0.6	1
54	Glycosylated Fibronectin and Inhibin are Lower and Anti-MÃ¼llerian Hormone is Higher in Umbilical Cord Blood when Mothers have Preeclampsia. Endocrine Practice, 2020, 26, 318-327.	1.1	0

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55	Targeted Expression of Heme Oxygenase-1 and Pulmonary Responses to Hypoxia. , 2002, , 193-204.		0