Trent E Tipple

List of Publications by Year
in descending order

73	1,331	304368 22	377514 34
papers	citations	h-index	g-index

83	83	83	1683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transcriptomeâ€Metabolome Association Studies in Mouse Lungs Reveal Differences Between Sex and Strain in the Glutathione Antioxidant Pathway. FASEB Journal, 2022, 36, .	0.2	0
2	Glutathione reductase deficiency alters lung development and hyperoxic responses in neonatal mice. Redox Biology, 2021, 38, 101797.	3.9	16
3	MicroRNA 219-5p inhibits alveolarization by reducing platelet derived growth factor receptor-alpha. Respiratory Research, 2021, 22, 57.	1.4	10
4	Neonatal Selenoenzyme Expression Is Variably Susceptible to Duration of Maternal Selenium Deficiency. Antioxidants, 2021, 10, 288.	2.2	5
5	Auranofin-Mediated NRF2 Induction Attenuates Interleukin 1 Beta Expression in Alveolar Macrophages. Antioxidants, 2021, 10, 632.	2.2	10
6	Advances in Neonatal Acute Kidney Injury. Pediatrics, 2021, 148, .	1.0	57
7	Selenium-independent antioxidant and anti-inflammatory effects of thioredoxin reductase inhibition in alveolar macrophages. Life Sciences, 2020, 259, 118285.	2.0	8
8	Hepatic-Specific Decrease in the Expression of Selenoenzymes and Factors Essential for Selenium Processing After Endotoxemia. Frontiers in Immunology, 2020, 11, 595282.	2.2	16
9	Quantitation of spin probe-detectable oxidants in cells using electron paramagnetic resonance spectroscopy: To probe or to trap?. Free Radical Biology and Medicine, 2020, 154, 84-94.	1.3	13
10	Club Cell Heme Oxygenase-1 Deletion: Effects in Hyperoxia-Exposed Adult Mice. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-8.	1.9	5
11	Neonatal comorbidities and gasotransmitters. Nitric Oxide - Biology and Chemistry, 2020, 97, 27-32.	1.2	1
12	Preterm birth and neonatal acute kidney injury: implications on adolescent and adult outcomes. Journal of Perinatology, 2020, 40, 1286-1295.	0.9	30
13	Aurothioglucose enhances proangiogenic pathway activation in lungs from room air and hyperoxia-exposed newborn mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1165-L1171.	1.3	4
14	Postâ€exposure treatment with esomeprazole protects pregnant mice from mortality and from compromised fetal growth after exposure to chlorine gas.. FASEB Journal, 2020, 34, 1-1.	0.2	0
15	The discovery BPD (D-BPD) program: study protocol of a prospective translational multicenter collaborative study to investigate determinants of chronic lung disease in very low birth weight infants. BMC Pediatrics, 2019, 19, 227.	0.7	5
16	Oxygen Toxicity in the Neonate. Clinics in Perinatology, 2019, 46, 435-447.	0.8	14
17	Thiol-Redox Regulation in Lung Development and Vascular Remodeling. Antioxidants and Redox Signaling, 2019, 31, 858-873.	2.5	11
18	L-NAME releases nitric oxide and potentiates subsequent nitroglycerin-mediated vasodilation. Redox Biology, 2019, 26, 101238.	3.9	49

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19	Cyclic O3 exposure synergizes with aging leading to memory impairment in male APOE Îµ3, but not APOE Îµ4, targeted replacement mice. Neurobiology of Aging, 2019, 81, 9-21.	1.5	11
20	Thioredoxin Reductase-1 Inhibition Augments Endogenous Glutathione-Dependent Antioxidant Responses in Experimental Bronchopulmonary Dysplasia. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	1.9	17
21	Antioxidants & bronchopulmonary dysplasia: Beating the system or beating a dead horse?. Free Radical Biology and Medicine, 2019, 142, 138-145.	1.3	21
22	Hemodynamic Effects of Glutathione-Liganded Binuclear Dinitrosyl Iron Complex: Evidence for Nitroxyl Generation and Modulation by Plasma Albumin. Molecular Pharmacology, 2018, 93, 427-437.	1.0	25
23	Nitrite potentiates the vasodilatory signaling of S-nitrosothiols. Nitric Oxide - Biology and Chemistry, 2018, 75, 60-69.	1.2	13
24	Selenium: implications for outcomes in extremely preterm infants. Journal of Perinatology, 2018, 38, 197-202.	0.9	31
25	Suppression of site IQ electron leak attenuates lung epithelial cell proliferation. Free Radical Biology and Medicine, 2018, 128, S36.	1.3	1
26	Lung epithelial specific heme oxygenase-1 deletion does not worsen hyperoxic lung injury in adult mice. Free Radical Biology and Medicine, 2018, 128, S24-S25.	1.3	0
27	Impairment of thioredoxin 1 disrupts perinatal alveolar development. Free Radical Biology and Medicine, 2018, 128, S115.	1.3	0
28	Alterations in VASP phosphorylation and profilin1 and cofilin1 expression in hyperoxic lung injury and BPD. Respiratory Research, 2018, 19, 229.	1.4	10
29	Method optimization for spin probe-based electron paramagnetic resonance spectroscopic detection of oxidative species. Free Radical Biology and Medicine, 2018, 128, S52.	1.3	0
30	Selenium supplementation of lung epithelial cells enhances nuclear factor E2-related factor 2 (Nrf2) activation following thioredoxin reductase inhibition. Redox Biology, 2018, 19, 331-338.	3.9	25
31	Aurothioglucose does not improve alveolarization or elicit sustained Nrf2 activation in C57BL/6 models of bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L736-L742.	1.3	12
32	Detection of dinitrosyl iron complexes by ozone-based chemiluminescence. Nitric Oxide - Biology and Chemistry, 2018, 79, 57-67.	1.2	16
33	The thioredoxin reductase inhibitor auranofin induces heme oxygenase-1 in lung epithelial cells via Nrf2-dependent mechanisms. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L545-L552.	1.3	29
34	miR-29b supplementation decreases expression of matrix proteins and improves alveolarization in mice exposed to maternal inflammation and neonatal hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L339-L349.	1.3	48
35	The Thioredoxin Reductase Inhibitor Auranofin Induces Heme Oxygenase-1 in Lung Epithelial Cells Via Nrf2-dependent Mechanisms. Free Radical Biology and Medicine, 2017, 112, 23.	1.3	3
36	Of mice and men: correlations between microRNA-17â^¼92 cluster expression and promoter methylation in severe bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L981-L984.	1.3	22

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37	Thioredoxin Reductase Inhibition Attenuates Neonatal Hyperoxic Lung Injury and Enhances Nuclear Factor E2â€“Related Factor 2 Activation. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 419-428.	1.4	45
38	Maternal high fat diet exposure is associated with increased hepcidin levels, decreased myelination, and neurobehavioral changes in male offspring. Brain, Behavior, and Immunity, 2016, 58, 369-378.	2.0	69
39	Protective Effects of Aurothioglucose on Hyperoxia-Dependent Cellular Toxicity in Murine Airway Clara Cells. Free Radical Biology and Medicine, 2015, 87, S141.	1.3	0
40	DHA suppresses chronic apoptosis in the lung caused by perinatal inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L441-L448.	1.3	20
41	Attenuation of miR-17â¼92 Cluster in Bronchopulmonary Dysplasia. Annals of the American Thoracic Society, 2015, 12, 1506-1513.	1.5	57
42	The Thioredoxin System in Neonatal Lung Disease. Antioxidants and Redox Signaling, 2014, 21, 1916-1925.	2.5	19
43	The Thioredoxin Reductase-1 Inhibitor Aurothioglucose Attenuates Lung Injury and Improves Survival in a Murine Model of Acute Respiratory Distress Syndrome. Antioxidants and Redox Signaling, 2014, 20, 2681-2691.	2.5	32
44	Arginase II is a target of miR-17-5p and regulates miR-17-5p expression in human pulmonary artery smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L197-L204.	1.3	16
45	Maternal Dietary Docosahexaenoic Acid Supplementation Attenuates Fetal Growth Restriction and Enhances Pulmonary Function in a Newborn Mouse Model of Perinatal Inflammation. Journal of Nutrition, 2014, 144, 258-266.	1.3	42
46	Cyclooxygenase-2 in newborn hyperoxic lung injury. Free Radical Biology and Medicine, 2013, 61, 502-511.	1.3	25
47	Neonatal Hyperoxic Exposure Persistently Alters Lung Secretoglobins and Annexin A1. BioMed Research International, 2013, 2013, 1-10.	0.9	12
48	Thioredoxin-1 mediates hypoxia-induced pulmonary artery smooth muscle cell proliferation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L389-L395.	1.3	23
49	Maternal dietary Docosahexaenoic acid (DHA) supplementation prevents fetal growth restriction and pulmonary fibrosis caused by perinatal inflammation. FASEB Journal, 2013, 27, 247.4.	0.2	0
50	Thioredoxinâ€1 is necessary for hypoxiaâ€induced cell proliferation in human pulmonary artery smooth muscle cells. FASEB Journal, 2013, 27, .	0.2	0
51	Prenatal inflammation exacerbates hyperoxia-induced functional and structural changes in adult mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R279-R290.	0.9	35
52	Thioredoxin Reductase Inhibition Elicits Nrf2-Mediated Responses in Clara Cells: Implications for Oxidant-Induced Lung Injury. Antioxidants and Redox Signaling, 2012, 17, 1407-1416.	2.5	53
53	Methods for the Determination of Plasma or Tissue Glutathione Levels. Methods in Molecular Biology, 2012, 889, 315-324.	0.4	87
54	Lipopolysaccharide-induced Cyclooxygenase-2 Expression in Mouse Transformed Clara Cells. Cellular Physiology and Biochemistry, 2012, 29, 213-222.	1.1	22

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55	Perinatal Inflammation Negatively Impacts Lung Structure And Function In Adult Mice. , 2012, , .		0
56	Pam2CSK, A TLR2 Agonist, Increases Chemokine Expression In Mouse Transformed Clara Cells. , 2012, , .		0
57	Aurothioglucose Enhances Lung Glutathione Levels and Improves Survival in a Murine Model of Acute Respiratory Distress Syndrome. Free Radical Biology and Medicine, 2012, 53, S60.	1.3	0
58	Inhibition of Cox-2 Decreases Macrophage Infiltration in Newborn Hyperoxic Lung Injury. Free Radical Biology and Medicine, 2012, 53, S59.	1.3	0
59	Plasma lipid metabolites are associated with gestational age but not bronchopulmonary dysplasia. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, e321-6.	0.7	13
60	Thioredoxinâ€1 mediates hypoxiaâ€induced pulmonary artery smooth muscle cell proliferation. FASEB Journal, 2012, 26, 873.10.	0.2	2
61	Perinatal Inflammation Contributes To Adult Pulmonary Fibrosis. , 2011, , .		0
62	Knockdown of Thioredoxin-1 Attenuates Hypoxia-induced Pulmonary Artery Smooth Muscle Cell Proliferation. Free Radical Biology and Medicine, 2011, 51, S112.	1.3	0
63	Altered Lung Glutathione Redox Status in Glutathione Reductase Knockout Mice: Implications for Alveolar Epithelial Cell Differentiation. Free Radical Biology and Medicine, 2011, 51, S115.	1.3	0
64	Maternal Docosahexaenoic Acid Supplementation Decreases Lung Inflammation in Hyperoxia-Exposed Newborn Mice. Journal of Nutrition, 2011, 141, 214-222.	1.3	47
65	Riboflavin supplementation does not attenuate hyperoxic lung injury in transgenic^{spc-mt}hGR mice. Experimental Lung Research, 2011, 37, 155-161.	0.5	1
66	Thioredoxin-interacting protein inhibits hypoxia-inducible factor transcriptional activity. Free Radical Biology and Medicine, 2010, 49, 1361-1367.	1.3	40
67	Maternal Inflammation and Neonatal Hyperoxia Results in Adult Pulmonary Fibrosis. Free Radical Biology and Medicine, 2010, 49, S50.	1.3	0
68	Glutathione Reductase Deficiency Alters Lung Development in Newborn Mice. Free Radical Biology and Medicine, 2010, 49, S51.	1.3	0
69	Thioredoxin Interacting Protein Overexpression Decreases Hypoxia Response Element Promoter Activity In Murine Alveolar Epithelial Cells. , 2010, , .		0
70	Hyperoxia Exposure Alters Hepatic Eicosanoid Metabolism in Newborn Mice. Pediatric Research, 2010, 67, 144-149.	1.1	11
71	Alterations of the Thioredoxin System by Hyperoxia. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 612-619.	1.4	27
72	Differential Responses in the Lungs of Newborn Mouse Pups Exposed to 85% or >95% Oxygen. Pediatric Research, 2009, 65, 33-38.	1.1	47

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73	Thioredoxin-Related Mechanisms in Hyperoxic Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 405-413.	1.4	46