Mark A Perrella

List of Publications by Citations

68 papers	3,610 citations	31 h-index	60 g-index
75 ext. papers	3,960 ext. citations	6.4 avg, IF	4.38 L-index

#	Paper	IF	Citations
68	Cardiac-specific expression of heme oxygenase-1 protects against ischemia and reperfusion injury in transgenic mice. *Circulation Research*, **2001**, 89, 168-73	15.7	358
67	Hypoxia induces severe right ventricular dilatation and infarction in heme oxygenase-1 null mice. *Journal of Clinical Investigation*, **1999**, 103, R23-9	15.9	342
66	Absence of heme oxygenase-1 exacerbates atherosclerotic lesion formation and vascular remodeling. *FASEB Journal*, **2003**, 17, 1759-61	0.9	247
65	Heme oxygenase-1-derived carbon monoxide enhances the host defense response to microbial sepsis in mice. *Journal of Clinical Investigation*, **2008**, 118, 239-47	15.9	246
64	Prevention of hypoxia-induced pulmonary hypertension by enhancement of endogenous heme oxygenase-1 in the rat. *Circulation Research*, **2000**, 86, 1224-9	15.7	189
63	Endotoxin-induced mortality is related to increased oxidative stress and end-organ dysfunction, not refractory hypotension, in heme oxygenase-1-deficient mice. *Circulation*, **2000**, 102, 3015-22	16.7	182
62	Induction of heme oxygenase-1 expression in vascular smooth muscle cells. A link to endotoxic shock. *Journal of Biological Chemistry*, **1997**, 272, 4295-301	5.4	161
61	Mesenchymal stromal cells improve survival during sepsis in the absence of heme oxygenase-1: the importance of neutrophils. *Stem Cells*, **2013**, 31, 397-407	5.8	119
60	SPEG interacts with myotubularin, and its deficiency causes centronuclear myopathy with dilated cardiomyopathy. *American Journal of Human Genetics*, **2014**, 95, 218-26	11	107
59	Cyclooxygenase-2-deficient mice are resistant to endotoxin-induced inflammation and death. *FASEB Journal*, **2003**, 17, 1325-7	0.9	105
58	Thioredoxin facilitates the induction of heme oxygenase-1 in response to inflammatory mediators. *Journal of Biological Chemistry*, **2000**, 275, 24840-6	5.4	99
57	Genetic and hypoxic alterations of the microRNA-210-ISCU1/2 axis promote iron-sulfur deficiency and pulmonary hypertension. *EMBO Molecular Medicine*, **2015**, 7, 695-713	12	96
56	Role of heme oxygenase-1 in cardiovascular function. *Current Pharmaceutical Design*, **2003**, 9, 2479-87	3.3	69
55	Suppression of interleukin-1beta-induced nitric-oxide synthase promoter/enhancer activity by transforming growth factor-beta1 in vascular smooth muscle cells. Evidence for mechanisms other than NF-kappaB. *Journal of Biological Chemistry*, **1996**, 271, 13776-80	5.4	67
54	Role of macrophage-expressed adipocyte fatty acid binding protein in the development of accelerated atherosclerosis in hypercholesterolemic mice. *FASEB Journal*, **2001**, 15, 2733-5	0.9	64
53	Collagen VIII is expressed by vascular smooth muscle cells in response to vascular injury. *Circulation Research*, **1997**, 80, 532-41	15.7	61
52	High mobility group-I(Y) protein facilitates nuclear factor-kappaB binding and transactivation of the inducible nitric-oxide synthase promoter/enhancer. *Journal of Biological Chemistry*, **1999**, 274, 9045-52	5.4	59

51	Induction of heme oxygenase-1 during endotoxemia is downregulated by transforming growth factor-beta1. *Circulation Research*, **1998**, 83, 396-403	15.7	55
50	Characterization of the mouse aortic carboxypeptidase-like protein promoter reveals activity in differentiated and dedifferentiated vascular smooth muscle cells. *Circulation Research*, **2002**, 90, 728-36	15.7	53
49	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. *JCI Insight*, **2018**, 3,	9.9	52
48	Cyclooxygenase-2 deficiency leads to intestinal barrier dysfunction and increased mortality during polymicrobial sepsis. *Journal of Immunology*, **2011**, 187, 5255-67	5.3	50
47	Role of activating protein-1 and high mobility group-I(Y) protein in the induction of CD44 gene expression by interleukin-1beta in vascular smooth muscle cells. *FASEB Journal*, **2000**, 14, 368-78	0.9	48
46	Carbon Monoxide Improves Efficacy of Mesenchymal Stromal Cells During Sepsis by Production of Specialized Proresolving Lipid Mediators. *Critical Care Medicine*, **2016**, 44, e1236-e1245	1.4	46
45	Role of Ets-2 in the regulation of heme oxygenase-1 by endotoxin. *Journal of Biological Chemistry*, **2005**, 280, 4578-84	5.4	41
44	Syndecan-2 Attenuates Radiation-induced Pulmonary Fibrosis and Inhibits Fibroblast Activation by Regulating PI3K/Akt/ROCK Pathway via CD148. *American Journal of Respiratory Cell and Molecular Biology*, **2018**, 58, 208-215	5.7	39
43	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. *Genomics*, **2013**, 101, 263-72	4.3	37
42	Induction of high mobility group-I(Y) protein by endotoxin and interleukin-1beta in vascular smooth muscle cells. Role in activation of inducible nitric oxide synthase. *Journal of Biological Chemistry*, **1999**, 274, 1525-32	5.4	37
41	Elk-3 is a transcriptional repressor of nitric-oxide synthase 2. *Journal of Biological Chemistry*, **2003**, 278, 39572-7	5.4	36
40	Absence of adipocyte fatty acid binding protein prevents the development of accelerated atherosclerosis in hypercholesterolemic mice. *FASEB Journal*, **2001**, 15, 1774-6	0.9	35
39	Pathobiology of sepsis: are we still asking the same questions?. *American Journal of Respiratory Cell and Molecular Biology*, **2006**, 34, 129-34	5.7	32
38	Heme oxygenase 1 in regulation of inflammation and oxidative damage. *Methods in Enzymology*, **2002**, 353, 163-76	1.7	31
37	Nitric oxide synthase-2 down-regulates surfactant protein-B expression and enhances endotoxin-induced lung injury in mice. *FASEB Journal*, **2004**, 18, 1276-8	0.9	30
36	Modulation of the thioredoxin system during inflammatory responses and its effect on heme oxygenase-1 expression. *Antioxidants and Redox Signaling*, **2002**, 4, 569-75	8.4	30
35	Upstream stimulatory factors regulate aortic preferentially expressed gene-1 expression in vascular smooth muscle cells. *Journal of Biological Chemistry*, **2001**, 276, 47658-63	5.4	28
34	Mesenchymal Stromal Cells Deficient in Autophagy Proteins Are Susceptible to Oxidative Injury and Mitochondrial Dysfunction. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 300-309	5.7	27

33	Reduction of nitric oxide synthase 2 expression by distamycin A improves survival from endotoxemia. *Journal of Immunology*, **2004**, 173, 4147-53	5.3	27
32	Down-regulation of high mobility group-I(Y) protein contributes to the inhibition of nitric-oxide synthase 2 by transforming growth factor-beta1. *Journal of Biological Chemistry*, **2001**, 276, 1653-9	5.4	27
31	Endotoxin-induced down-regulation of Elk-3 facilitates heme oxygenase-1 induction in macrophages. *Journal of Immunology*, **2006**, 176, 2414-20	5.3	26
30	Rescue of neonatal cardiac dysfunction in mice by administration of cardiac progenitor cells in utero. *Nature Communications*, **2015**, 6, 8825	17.4	21
29	High-mobility group-I/Y proteins: Potential role in the pathophysiology of critical illnesses. *Critical Care Medicine*, **2002**, 30, S36-S42	1.4	20
28	Netropsin improves survival from endotoxaemia by disrupting HMGA1 binding to the NOS2 promoter. *Biochemical Journal*, **2009**, 418, 103-12	3.8	19
27	Distamycin A inhibits HMGA1-binding to the P-selectin promoter and attenuates lung and liver inflammation during murine endotoxemia. *PLoS ONE*, **2010**, 5, e10656	3.7	18
26	Alteration in heme oxygenase-1 and nitric oxide synthase-2 gene expression during endotoxemia in cyclooxygenase-2-deficient mice. *Antioxidants and Redox Signaling*, **2004**, 6, 850-7	8.4	18
25	Induction of high mobility group I architectural transcription factors in proliferating vascular smooth muscle in vivo and in vitro. *Journal of Molecular and Cellular Cardiology*, **1999**, 31, 2199-205	5.8	16
24	Elk-3 is a KLF4-regulated gene that modulates the phagocytosis of bacteria by macrophages. *Journal of Leukocyte Biology*, **2015**, 97, 171-80	6.5	15
23	Nucleotide-binding oligomerization domain protein 2 deficiency enhances neointimal formation in response to vascular injury. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2441-7	9.4	15
22	PU.1 regulates cathepsin S expression in professional APCs. *Journal of Immunology*, **2006**, 176, 275-83	5.3	12
21	SPEG-deficient skeletal muscles exhibit abnormal triad and defective calcium handling. *Human Molecular Genetics*, **2018**, 27, 1608-1617	5.6	11
20	Regulation of heme oxygenase-1 gene by peptidoglycan involves the interaction of Elk-1 and C/EBPalpha to increase expression. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 298, L870-9	5.8	11
19	Biobanking and cryopreservation of human lung explants for omic analysis. *European Respiratory Journal*, **2020**, 55,	13.6	9
18	Transforming growth factor-β1 suppression of endotoxin-induced heme oxygenase-1 in macrophages involves activation of Smad2 and downregulation of Ets-2. *Journal of Cellular Physiology*, **2012**, 227, 351-60	7	9
17	High-mobility group-I/Y proteins: potential role in the pathophysiology of critical illnesses. *Critical Care Medicine*, **2002**, 30, S36-42	1.4	9
16	High mobility group A1 protein mediates human nitric oxide synthase 2 gene expression. *FEBS Letters*, **2008**, 582, 810-4	3.8	8

15	Frontline Science: Targeted expression of a dominant-negative high mobility group A1 transgene improves outcome in sepsis. *Journal of Leukocyte Biology*, **2018**, 104, 677-689	6.5	6
14	Evidence for a retinal progenitor cell in the postnatal and adult mouse. *Stem Cell Research*, **2017**, 23, 20-32	1.6	5
13	Glycogen synthase kinase 3-□nhibition induces lymphangiogenesis through □catenin-dependent and mTOR-independent pathways. *PLoS ONE*, **2019**, 14, e0213831	3.7	4
12	CD148 Deficiency in Fibroblasts Promotes the Development of Pulmonary Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 204, 312-325	10.2	4
11	Expression of Stromal Cell-Derived Factor-1 by Mesenchymal Stromal Cells Impacts Neutrophil Function During Sepsis. *Critical Care Medicine*, **2020**, 48, e409-e417	1.4	3
10	Augmenting emergency granulopoiesis with CpG conditioned mesenchymal stromal cells in murine neutropenic sepsis. *Blood Advances*, **2020**, 4, 4965-4979	7.8	3
9	Multipotency of mouse trophoblast stem cells. *Stem Cell Research and Therapy*, **2020**, 11, 55	8.3	2
8	FK506 induces lung lymphatic endothelial cell senescence and downregulates LYVE-1 expression, with associated decreased hyaluronan uptake. *Molecular Medicine*, **2020**, 26, 75	6.2	2
7	Mesenchymal stromal cells expressing a dominant-negative high mobility group A1 transgene exhibit improved function during sepsis. *Journal of Leukocyte Biology*, **2021**, 110, 711-722	6.5	2
6	Pressure Overload in Mice With Haploinsufficiency of Striated Preferentially Expressed Gene Leads to Decompensated Heart Failure. *Frontiers in Physiology*, **2018**, 9, 863	4.6	1
5	Induction of Sepsis Via Fibrin Clot Implantation. *Methods in Molecular Biology*, **2021**, 2321, 17-25	1.4	0
4	Intratracheal transplantation of trophoblast stem cells attenuates acute lung injury in mice. *Stem Cell Research and Therapy*, **2021**, 12, 487	8.3	0
3	Syndecan-2 regulates PAD2 to exert antifibrotic effects on RA-ILD fibroblasts.. *Scientific Reports*, **2022**, 12, 2847	4.9	0
2	The lung microbiome in end-stage Lymphangioleiomyomatosis. *Respiratory Research*, **2021**, 22, 277	7.3	
1	The role of mesenchymal stromal cells in bacterial infection **2016**, 814-824		