Mark A Perrella

List of Publications by Year
in descending order

73 papers	4,248 citations	126907 33 h-index	110387 64 g-index
75 all docs	75 docs citations	75 times ranked	5382 citing authors

#	Article	IF	Citations
1	Cardiac-Specific Expression of Heme Oxygenase-1 Protects Against Ischemia and Reperfusion Injury in Transgenic Mice. Circulation Research, 2001, 89, 168-173.	4.5	385
2	Hypoxia induces severe right ventricular dilatation and infarction in heme oxygenase-1 null mice. Journal of Clinical Investigation, 1999, 103, R23-R29.	8.2	377
3	Heme oxygenase-1â€“derived carbon monoxide enhances the host defense response to microbial sepsis in mice. Journal of Clinical Investigation, 2008, 118, 239-247.	8.2	275
4	Absence of heme oxygenaseâ€1 exacerbates atherosclerotic lesion formation and vascular remodeling. FASEB Journal, 2003, 17, 1759-1761.	0.5	261
5	Endotoxin-Induced Mortality Is Related to Increased Oxidative Stress and End-Organ Dysfunction, Not Refractory Hypotension, in Heme Oxygenase-1â€“Deficient Mice. Circulation, 2000, 102, 3015-3022.	1.6	201
6	Prevention of Hypoxia-Induced Pulmonary Hypertension by Enhancement of Endogenous Heme Oxygenase-1 in the Rat. Circulation Research, 2000, 86, 1224-1229.	4.5	198
7	Induction of Heme Oxygenase-1 Expression in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 4295-4301.	3.4	175
8	Mesenchymal Stromal Cells Improve Survival During Sepsis in the Absence of Heme Oxygenase-1: The Importance of Neutrophils. Stem Cells, 2013, 31, 397-407.	3.2	148
9	SPEG Interacts with Myotubularin, and Its Deficiency Causes Centronuclear Myopathy with Dilated Cardiomyopathy. American Journal of Human Genetics, 2014, 95, 218-226.	6.2	143
10	Genetic and hypoxic alterations of the micro <scp>RNA</scp> â€210â€•<scp>ISCU</scp> 1/2 axis promote ironâ€“sulfur deficiency and pulmonary hypertension. EMBO Molecular Medicine, 2015, 7, 695-713.	6.9	120
11	Cyclooxygenaseâ€2 deficient mice are resistant to endotoxinâ€induced inflammation and death. FASEB Journal, 2003, 17, 1325-1327.	0.5	114
12	Thioredoxin Facilitates the Induction of Heme Oxygenase-1 in Response to Inflammatory Mediators. Journal of Biological Chemistry, 2000, 275, 24840-24846.	3.4	108
13	Role of Heme Oxygenase-1 in Cardiovascular Function. Current Pharmaceutical Design, 2003, 9, 2479-2487.	1.9	83
14	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. JCI Insight, 2018, 3, .	5.0	78
15	Role of macrophageâ€expressed adipocyte fatty acid binding protein in the development of accelerated atherosclerosis in hypercholesterolemic mice. FASEB Journal, 2001, 15, 1-19.	0.5	75
16	Collagen VIII Is Expressed by Vascular Smooth Muscle Cells in Response to Vascular Injury. Circulation Research, 1997, 80, 532-541.	4.5	75
17	Suppression of Interleukin-1Î²-induced Nitric-oxide Synthase Promoter/Enhancer Activity by Transforming Growth Factor-Î²1 in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1996, 271, 13776-13780.	3.4	72
18	High Mobility Group-I(Y) Protein Facilitates Nuclear Factor-ÎºB Binding and Transactivation of the Inducible Nitric-oxide Synthase Promoter/Enhancer. Journal of Biological Chemistry, 1999, 274, 9045-9052.	3.4	65

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19	Characterization of the Mouse Aortic Carboxypeptidase-Like Protein Promoter Reveals Activity in Differentiated and Dedifferentiated Vascular Smooth Muscle Cells. Circulation Research, 2002, 90, 728-736.	4.5	64
20	Cyclooxygenase-2 Deficiency Leads to Intestinal Barrier Dysfunction and Increased Mortality during Polymicrobial Sepsis. Journal of Immunology, 2011, 187, 5255-5267.	0.8	60
21	Inflammasome activation in neutrophils of patients with severe COVID-19. Blood Advances, 2022, 6, 2001-2013.	5.2	59
22	Induction of Heme Oxygenase-1 During Endotoxemia Is Downregulated by Transforming Growth Factor-Î²1. Circulation Research, 1998, 83, 396-403.	4.5	56
23	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.	2.9	56
24	Carbon Monoxide Improves Efficacy of Mesenchymal Stromal Cells During Sepsis by Production of Specialized Proresolving Lipid Mediators*. Critical Care Medicine, 2016, 44, e1236-e1245.	0.9	56
25	Role of Ets-2 in the Regulation of Heme Oxygenase-1 by Endotoxin. Journal of Biological Chemistry, 2005, 280, 4578-4584.	3.4	52
26	Role of activating proteinâ€1 and high mobility groupâ€I(Y) protein in the induction of CD44 gene expression by interleukinâ€1Î² in vascular smooth muscle cells. FASEB Journal, 2000, 14, 368-378.	0.5	50
27	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. Genomics, 2013, 101, 263-272.	2.9	46
28	Induction of High Mobility Group-I(Y) Protein by Endotoxin and Interleukin-1Î² in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1999, 274, 1525-1532.	3.4	41
29	Absence of adipocyte fatty acid binding protein prevents the development of accelerated atherosclerosis in hypercholesterolemic mice. FASEB Journal, 2001, 15, 1774-1776.	0.5	41
30	Elk-3 Is a Transcriptional Repressor of Nitric-oxide Synthase 2. Journal of Biological Chemistry, 2003, 278, 39572-39577.	3.4	41
31	Pathobiology of Sepsis. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 129-134.	2.9	36
32	Heme Oxygenase 1 in Regulation of Inflammation and Oxidative Damage. Methods in Enzymology, 2002, 353, 163-176.	1.0	34
33	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.	2.9	34
34	Upstream Stimulatory Factors Regulate Aortic Preferentially Expressed Gene-1 Expression in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2001, 276, 47658-47663.	3.4	32
35	Modulation of the Thioredoxin System During Inflammatory Responses and Its Effect on Heme Oxygenase-1 Expression. Antioxidants and Redox Signaling, 2002, 4, 569-575.	5.4	32
36	Nitric oxide synthaseâ€2 downâ€regulates surfactant proteinâ€B expression and enhances endotoxinâ€induced lung injury in mice. FASEB Journal, 2004, 18, 1276-1278.	0.5	32

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37	Down-regulation of High Mobility Group-I(Y) Protein Contributes to the Inhibition of Nitric-oxide Synthase 2 by Transforming Growth Factor-Î²1. Journal of Biological Chemistry, 2001, 276, 1653-1659.	3.4	31
38	Reduction of Nitric Oxide Synthase 2 Expression by Distamycin A Improves Survival from Endotoxemia. Journal of Immunology, 2004, 173, 4147-4153.	0.8	28
39	Rescue of neonatal cardiac dysfunction in mice by administration of cardiac progenitor cells in utero. Nature Communications, 2015, 6, 8825.	12.8	27
40	Endotoxin-Induced Down-Regulation of Elk-3 Facilitates Heme Oxygenase-1 Induction in Macrophages. Journal of Immunology, 2006, 176, 2414-2420.	0.8	26
41	Elk-3 is a KLF4-regulated gene that modulates the phagocytosis of bacteria by macrophages. Journal of Leukocyte Biology, 2015, 97, 171-180.	3.3	26
42	Netropsin improves survival from endotoxaemia by disrupting HMGA1 binding to the NOS2 promoter. Biochemical Journal, 2009, 418, 103-112.	3.7	24
43	CD148 Deficiency in Fibroblasts Promotes the Development of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 312-325.	5.6	24
44	High-mobility group-I/Y proteins: Potential role in the pathophysiology of critical illnesses. Critical Care Medicine, 2002, 30, S36-S42.	0.9	23
45	Distamycin A Inhibits HMGA1-Binding to the P-Selectin Promoter and Attenuates Lung and Liver Inflammation during Murine Endotoxemia. PLoS ONE, 2010, 5, e10656.	2.5	23
46	SPEG-deficient skeletal muscles exhibit abnormal triad and defective calcium handling. Human Molecular Genetics, 2018, 27, 1608-1617.	2.9	22
47	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, 850-857.	5.4	20
48	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, 2199-2205.	1.9	17
49	Nucleotide-Binding Oligomerization Domain Protein 2 Deficiency Enhances Neointimal Formation in Response to Vascular Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2441-2447.	2.4	17
50	PU.1 Regulates Cathepsin S Expression in Professional APCs. Journal of Immunology, 2006, 176, 275-283.	0.8	16
51	Biobanking and cryopreservation of human lung explants for omic analysis. European Respiratory Journal, 2020, 55, 1801635.	6.7	15
52	Regulation of heme oxygenase-1 gene by peptidoglycan involves the interaction of Elk-1 and C/EBPÎ± to increase expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L870-L879.	2.9	12
53	Expression of Stromal Cellâ€"Derived Factor-1 by Mesenchymal Stromal Cells Impacts Neutrophil Function During Sepsis. Critical Care Medicine, 2020, 48, e409-e417.	0.9	11
54	Transforming growth factorâ€Î²1 suppression of endotoxinâ€induced heme oxygenaseâ€1 in macrophages involves activation of Smad2 and downregulation of Etsâ€2. Journal of Cellular Physiology, 2012, 227, 351-360.	4.1	10

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55	High mobility group A1 protein mediates human nitric oxide synthase 2 gene expression. FEBS Letters, 2008, 582, 810-814.	2.8	9
56	Evidence for a retinal progenitor cell in the postnatal and adult mouse. Stem Cell Research, 2017, 23, 20-32.	0.7	9
57	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.	3.3	9
58	Glycogen synthase kinase 3-Î² inhibition induces lymphangiogenesis through Î²-catenin-dependent and mTOR-independent pathways. PLoS ONE, 2019, 14, e0213831.	2.5	9
59	Augmenting emergency granulopoiesis with CpG conditioned mesenchymal stromal cells in murine neutropenic sepsis. Blood Advances, 2020, 4, 4965-4979.	5.2	9
60	High-mobility group-I/Y proteins: potential role in the pathophysiology of critical illnesses. Critical Care Medicine, 2002, 30, S36-42.	0.9	9
61	Mesenchymal stromal cellâ€derived syndecanâ€2 regulates the immune response during sepsis to foster bacterial clearance and resolution of inflammation. FEBS Journal, 2022, 289, 417-435.	4.7	8
62	Pressure Overload in Mice With Haploinsufficiency of Striated Preferentially Expressed Gene Leads to Decompensated Heart Failure. Frontiers in Physiology, 2018, 9, 863.	2.8	7
63	Dynamin-2 reduction rescues the skeletal myopathy of a SPEG-deficient mouse model. JCI Insight, 2022, 7, .	5.0	5
64	FK506 induces lung lymphatic endothelial cell senescence and downregulates LYVE-1 expression, with associated decreased hyaluronan uptake. Molecular Medicine, 2020, 26, 75.	4.4	4
65	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.	3.3	4
66	Blocking hyaluronan synthesis alleviates acute lung allograft rejection. JCI Insight, 2021, 6, .	5.0	4
67	Syndecan-2 regulates PAD2 to exert antifibrotic effects on RA-ILD fibroblasts. Scientific Reports, 2022, 12, 2847.	3.3	4
68	Multipotency of mouse trophoblast stem cells. Stem Cell Research and Therapy, 2020, 11, 55.	5.5	3
69	Induction of Sepsis Via Fibrin Clot Implantation. Methods in Molecular Biology, 2021, 2321, 17-25.	0.9	3
70	Mesenchymal Stromal Cell Therapy. Critical Care Medicine, 2018, 46, 343-345.	0.9	2
71	ETV2 regulates PARP-1 binding protein to induce ER stressâ€“mediated death in tuberin-deficient cells. Life Science Alliance, 2022, 5, e202201369.	2.8	2
72	Intratracheal transplantation of trophoblast stem cells attenuates acute lung injury in mice. Stem Cell Research and Therapy, 2021, 12, 487.	5.5	1

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73	The lung microbiome in end-stage Lymphangioleiomyomatosis. Respiratory Research, 2021, 22, 277.	3.6	0