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	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
2	Inflammasome activation in neutrophils of patients with severe COVID-19. Blood Advances, 2022, 6, 2001-2013.	5.2	59
3	Syndecan-2 regulates PAD2 to exert antifibrotic effects on RA-ILD fibroblasts. Scientific Reports, 2022, 12, 2847.	3.3	4
4	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
5	Dynamin-2 reduction rescues the skeletal myopathy of a SPEG-deficient mouse model. JCI Insight, 2022, 7, .	5.0	5
6	Induction of Sepsis Via Fibrin Clot Implantation. Methods in Molecular Biology, 2021, 2321, 17-25.	0.9	3
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.	3.3	4
8	Intratracheal transplantation of trophoblast stem cells attenuates acute lung injury in mice. Stem Cell Research and Therapy, 2021, 12, 487.	5.5	1
9	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
10	Blocking hyaluronan synthesis alleviates acute lung allograft rejection. JCI Insight, 2021, 6, .	5.0	4
11	The lung microbiome in end-stage Lymphangioleiomyomatosis. Respiratory Research, 2021, 22, 277.	3.6	0
12	Augmenting emergency granulopoiesis with CpG conditioned mesenchymal stromal cells in murine neutropenic sepsis. Blood Advances, 2020, 4, 4965-4979.	5.2	9
13	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
14	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
15	Multipotency of mouse trophoblast stem cells. Stem Cell Research and Therapy, 2020, 11, 55.	5.5	3
16	Biobanking and cryopreservation of human lung explants for omic analysis. European Respiratory Journal, 2020, 55, 1801635.	6.7	15
17	Glycogen synthase kinase 3-Î² inhibition induces lymphangiogenesis through Î²-catenin-dependent and mTOR-independent pathways. PLoS ONE, 2019, 14, e0213831.	2.5	9
18	SPEG-deficient skeletal muscles exhibit abnormal triad and defective calcium handling. Human Molecular Genetics, 2018, 27, 1608-1617.	2.9	22

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19	Mesenchymal Stromal Cell Therapy. Critical Care Medicine, 2018, 46, 343-345.	0.9	2
20	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
21	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
22	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
23	A phase I trial of low-dose inhaled carbon monoxide in sepsis-induced ARDS. JCI Insight, 2018, 3, .	5.0	78
24	Evidence for a retinal progenitor cell in the postnatal and adult mouse. Stem Cell Research, 2017, 23, 20-32.	0.7	9
25	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
26	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
27	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
28	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
29	Rescue of neonatal cardiac dysfunction in mice by administration of cardiac progenitor cells in utero. Nature Communications, 2015, 6, 8825.	12.8	27
30	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
31	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
32	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. Genomics, 2013, 101, 263-272.	2.9	46
33	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
34	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
35	Cyclooxygenase-2 Deficiency Leads to Intestinal Barrier Dysfunction and Increased Mortality during Polymicrobial Sepsis. Journal of Immunology, 2011, 187, 5255-5267.	0.8	60
36	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

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37	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
38	Netropsin improves survival from endotoxaemia by disrupting HMGA1 binding to the NOS2 promoter. Biochemical Journal, 2009, 418, 103-112.	3.7	24
39	High mobility group A1 protein mediates human nitric oxide synthase 2 gene expression. FEBS Letters, 2008, 582, 810-814.	2.8	9
40	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
41	Pathobiology of Sepsis. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 129-134.	2.9	36
42	Endotoxin-Induced Down-Regulation of Elk-3 Facilitates Heme Oxygenase-1 Induction in Macrophages. Journal of Immunology, 2006, 176, 2414-2420.	0.8	26
43	PU.1 Regulates Cathepsin S Expression in Professional APCs. Journal of Immunology, 2006, 176, 275-283.	0.8	16
44	Role of Ets-2 in the Regulation of Heme Oxygenase-1 by Endotoxin. Journal of Biological Chemistry, 2005, 280, 4578-4584.	3.4	52
45	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
46	Reduction of Nitric Oxide Synthase 2 Expression by Distamycin A Improves Survival from Endotoxemia. Journal of Immunology, 2004, 173, 4147-4153.	0.8	28
47	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
48	Absence of heme oxygenaseâ€1 exacerbates atherosclerotic lesion formation and vascular remodeling. FASEB Journal, 2003, 17, 1759-1761.	0.5	261
49	Elk-3 Is a Transcriptional Repressor of Nitric-oxide Synthase 2. Journal of Biological Chemistry, 2003, 278, 39572-39577.	3.4	41
50	Cyclooxygenaseâ€2 deficient mice are resistant to endotoxinâ€induced inflammation and death. FASEB Journal, 2003, 17, 1325-1327.	0.5	114
51	Role of Heme Oxygenase-1 in Cardiovascular Function. Current Pharmaceutical Design, 2003, 9, 2479-2487.	1.9	83
52	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
53	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
54	High-mobility group-I/Y proteins: Potential role in the pathophysiology of critical illnesses. Critical Care Medicine, 2002, 30, S36-S42.	0.9	23

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55	Heme Oxygenase 1 in Regulation of Inflammation and Oxidative Damage. Methods in Enzymology, 2002, 353, 163-176.	1.0	34
56	High-mobility group-I/Y proteins: potential role in the pathophysiology of critical illnesses. Critical Care Medicine, 2002, 30, S36-42.	0.9	9
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	Thioredoxin Facilitates the Induction of Heme Oxygenase-1 in Response to Inflammatory Mediators. Journal of Biological Chemistry, 2000, 275, 24840-24846.	3.4	108
66	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
67	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
68	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
69	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
70	Induction of Heme Oxygenase-1 During Endotoxemia Is Downregulated by Transforming Growth Factor-Î²1. Circulation Research, 1998, 83, 396-403.	4.5	56
71	Induction of Heme Oxygenase-1 Expression in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 4295-4301.	3.4	175
72	Collagen VIII Is Expressed by Vascular Smooth Muscle Cells in Response to Vascular Injury. Circulation Research, 1997, 80, 532-541.	4.5	75

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73	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