Daniel R Meldrum

List of Publications by Year
in descending order

220 papers	13,883 citations	16411 64 h-index	26548 107 g-index
224 all docs	224 docs citations	224 times ranked	13089 citing authors

#	Article	IF	Citations
1	Human mesenchymal stem cells stimulated by TNF-Î±, LPS, or hypoxia produce growth factors by an NFÎºB- but not JNK-dependent mechanism. American Journal of Physiology - Cell Physiology, 2008, 294, C675-C682.	2.1	435
2	Tumor necrosis factor in the heart. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R577-R595.	0.9	408
3	Prospective characterization and selective management of the abdominal compartment syndrome. American Journal of Surgery, 1997, 174, 667-673.	0.9	404
4	Tumor necrosis factor-alpha and interleukin-1 beta synergistically depress human myocardial function. Critical Care Medicine, 1999, 27, 1309-1318.	0.4	393
5	Human progenitor cells from bone marrow or adipose tissue produce VEGF, HGF, and IGF-I in response to TNF by a p38 MAPK-dependent mechanism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R880-R884.	0.9	274
6	Oral Sulfonylurea Hypoglycemic Agents Prevent Ischemic Preconditioning in Human Myocardium. Circulation, 1997, 96, 29-32.	1.6	250
7	REVIEW ARTICLE: THE ROLE OF TUMOR NECROSIS FACTOR IN RENAL ISCHEMIA-REPERFUSION INJURY. Journal of Urology, 1999, 162, 196-203.	0.2	249
8	The abdominal compartment syndrome is a morbid complication of postinjury damage control surgery. American Journal of Surgery, 2001, 182, 542-546.	0.9	193
9	Hemorrhage induces an increase in serum TNF which is not associated with elevated levels of endotoxin. Cytokine, 1990, 2, 170-174.	1.4	187
10	Medical and Surgical Treatment of Acute Right Ventricular Failure. Journal of the American College of Cardiology, 2010, 56, 1435-1446.	1.2	172
11	SEX DIFFERENCES IN THE MYOCARDIAL INFLAMMATORY RESPONSE TO ACUTE INJURY. Shock, 2005, 23, 1-10.	1.0	165
12	Estrogen receptor-Î± mediates acute myocardial protection in females. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2204-H2209.	1.5	163
13	Early kidney TNF-Î± expression mediates neutrophil infiltration and injury after renal ischemia-reperfusion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R922-R929.	0.9	161
14	HIGH PASSAGE NUMBER OF STEM CELLS ADVERSELY AFFECTS STEM CELL ACTIVATION AND MYOCARDIAL PROTECTION. Shock, 2006, 26, 575-580.	1.0	156
15	PRECONDITIONING MESENCHYMAL STEM CELLS WITH TRANSFORMING GROWTH FACTOR-ALPHA IMPROVES MESENCHYMAL STEM CELL-MEDIATED CARDIOPROTECTION. Shock, 2010, 33, 24-30.	1.0	141
16	The role of estrogen in cardiovascular disease. Journal of Surgical Research, 2003, 115, 325-344.	0.8	139
17	Hemorrhage Activates Myocardial NFÎºB and Increases TNF-Î± in the Heart. Journal of Molecular and Cellular Cardiology, 1997, 29, 2849-2854.	0.9	138
18	EARLY RENAL ISCHEMIA, WITH OR WITHOUT REPERFUSION, ACTIVATES NFÎºB AND INCREASES TNF-Î± BIOACTIVITY IN THE KIDNEY. Journal of Urology, 2000, 163, 1328-1332.	0.2	137

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19	Sex differences in the myocardial inflammatory response to ischemia-reperfusion injury. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E321-E326.	1.8	137
20	VEGF is critical for stem cell-mediated cardioprotection and a crucial paracrine factor for defining the age threshold in adult and neonatal stem cell function. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2308-H2314.	1.5	136
21	Estrogen receptor Î² mediates increased activation of PI3K/Akt signaling and improved myocardial function in female hearts following acute ischemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R972-R978.	0.9	135
22	Gender differences in injury induced mesenchymal stem cell apoptosis and VEGF, TNF, IL-6 expression: Role of the 55ÂkDa TNF receptor (TNFR1). Journal of Molecular and Cellular Cardiology, 2007, 42, 142-149.	0.9	128
23	CYTOKINES IN NECROTIZING ENTEROCOLITIS. Shock, 2006, 25, 329-337.	1.0	119
24	Increased Myocardial Tumor Necrosis Factor-Î± in a Crystalloid-Perfused Model of Cardiac Ischemia-Reperfusion Injury. Annals of Thoracic Surgery, 1998, 65, 439-443.	0.7	112
25	Human SERCA2a levels correlate inversely with age in senescent human myocardium. Journal of the American College of Cardiology, 1998, 32, 458-467.	1.2	112
26	Sex Steroids and Stem Cell Function. Molecular Medicine, 2008, 14, 493-501.	1.9	112
27	Role of endogenous testosterone in myocardial proinflammatory and proapoptotic signaling after acute ischemia-reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H221-H226.	1.5	108
28	Cellular and molecular mechanisms of sex differences in renal ischemiaâ€“reperfusion injury. Cardiovascular Research, 2005, 67, 594-603.	1.8	106
29	Hydrogen peroxide induces tumor necrosis factor Î±â€“mediated cardiac injury by a P38 mitogen-activated protein kinaseâ€“dependent mechanism. Surgery, 1998, 124, 291-297.	1.0	104
30	Adenosine Preconditioning of Human Myocardium is Dependent upon the ATP-sensitive K+Channel. Journal of Molecular and Cellular Cardiology, 1997, 29, 175-182.	0.9	101
31	Cardiopulmonary hazards of perihepatic packing for major liver injuries. American Journal of Surgery, 1995, 170, 537-542.	0.9	99
32	p38 MAPK Inhibition Decreases TNF-Î± Production and Enhances Postischemic Human Myocardial Function. Journal of Surgical Research, 1999, 83, 7-12.	0.8	98
33	JAK/STAT/SOCS SIGNALING CIRCUITS AND ASSOCIATED CYTOKINE-MEDIATED INFLAMMATION AND HYPERTROPHY IN THE HEART. Shock, 2006, 26, 226-234.	1.0	96
34	STAT3 mediates bone marrow mesenchymal stem cell VEGF production. Journal of Molecular and Cellular Cardiology, 2007, 42, 1009-1015.	0.9	96
35	Liposomal Delivery of Heat Shock Protein 72 Into Renal Tubular Cells Blocks Nuclear Factor-Î°B Activation, Tumor Necrosis Factor-Î± Production, and Subsequent Ischemia-Induced Apoptosis. Circulation Research, 2003, 92, 293-299.	2.0	95
36	Testosterone exacerbates obstructive renal injury by stimulating TNF-Î± production and increasing proapoptotic and profibrotic signaling. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E435-E443.	1.8	93

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37	Diltiazem restores IL-2, IL-3, IL-6, and IFN-Î³ synthesis and decreases host susceptibility to sepsis following hemorrhage. Journal of Surgical Research, 1991, 51, 158-164.	0.8	91
38	Role of TNF in Mediating Renal Insufficiency Following Cardiac Surgery: Evidence of a Postbypass Cardiorenal Syndrome. Journal of Surgical Research, 1999, 85, 185-199.	0.8	90
39	In the adult mesenchymal stem cell population, source gender is a biologically relevant aspect of protective power. Surgery, 2007, 142, 215-221.	1.0	90
40	IL-18 binding protein-expressing mesenchymal stem cells improve myocardial protection after ischemia or infarction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17499-17504.	3.3	89
41	17-Î²-Estradiol decreases p38 MAPK-mediated myocardial inflammation and dysfunction following acute ischemia. Journal of Molecular and Cellular Cardiology, 2006, 40, 205-212.	0.9	88
42	Therapeutic Strategies to Reduce TNF-Î±Mediated Cardiac Contractile Depression Following Ischemia and Reperfusion. Journal of Molecular and Cellular Cardiology, 1999, 31, 931-947.	0.9	87
43	TNF-Î±-dependent bilateral renal injury is induced by unilateral renal ischemia-reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H540-H546.	1.5	87
44	IL-18 neutralization ameliorates obstruction-induced epithelialâ€"mesenchymal transition and renal fibrosis. Kidney International, 2009, 76, 500-511.	2.6	86
45	Human Myocardial Tissue TNF Expression Following Acute Global Ischemia. Journal of Molecular and Cellular Cardiology, 1998, 30, 1683-1689.	0.9	85
46	Adenosine Reduces Cardiac TNF-Î± Production and Human Myocardial Injury Following Ischemia-Reperfusion. Journal of Surgical Research, 1998, 76, 117-123.	0.8	81
47	Cardiopulmonary Bypass Renders Patients at Risk for Multiple Organ Failure via Early Neutrophil Priming and Late Neutrophil Disability. Journal of Surgical Research, 1999, 86, 42-49.	0.8	80
48	PRETREATMENT WITH ADULT PROGENITOR CELLS IMPROVES RECOVERY AND DECREASES NATIVE MYOCARDIAL PROINFLAMMATORY SIGNALING AFTER ISCHEMIA. Shock, 2006, 25, 454-459.	1.0	80
49	Preconditioning Versus Postconditioning: Mechanisms and Therapeutic Potentials. Journal of the American College of Surgeons, 2006, 202, 797-812.	0.2	80
50	Therapeutic Applications of Mesenchymal Stem Cells to Repair Kidney Injury. Journal of Urology, 2010, 184, 26-33.	0.2	79
51	Surgically relevant aspects of stem cell paracrine effects. Surgery, 2008, 143, 577-581.	1.0	78
52	Mesenchymal stem cells enhance the viability and proliferation of human fetal intestinal epithelial cells following hypoxic injury via paracrine mechanisms. Surgery, 2009, 146, 190-197.	1.0	76
53	Signaling via GPR30 protects the myocardium from ischemia/reperfusion injury. Surgery, 2010, 148, 436-443.	1.0	75
54	High glucose concentration in cell culture medium does not acutely affect human mesenchymal stem cell growth factor production or proliferation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1735-R1743.	0.9	74

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55	Arterially Delivered Mesenchymal Stem Cells Prevent Obstruction-Induced Renal Fibrosis. Journal of Surgical Research, 2011, 168, e51-e59.	0.8	74
56	The effects of estrogen on pulmonary artery vasoreactivity and hypoxic pulmonary vasoconstriction: Potential new clinical implications for an old hormone. Critical Care Medicine, 2008, 36, 2174-2183.	0.4	72
57	Inflammatory mediators and growth factors in obstructive renal injury. Journal of Surgical Research, 2004, 119, 149-159.	0.8	69
58	Mesenchymal stem cells attenuate myocardial functional depression and reduce systemic and myocardial inflammation during endotoxemia. Surgery, 2010, 148, 444-452.	1.0	69
59	Mesenchymal Stem Cells Attenuate Hypoxic Pulmonary Vasoconstriction by a Paracrine Mechanism. Journal of Surgical Research, 2007, 143, 281-285.	0.8	68
60	The Physiologic Basis for Anticytokine Clinical Trials in the Treatment of Sepsis 1. Journal of the American College of Surgeons, 1998, 186, 337-350.	0.2	67
61	Endogenous estrogen attenuates pulmonary artery vasoreactivity and acute hypoxic pulmonary vasoconstriction: the effects of sex and menstrual cycle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E865-E871.	1.8	67
62	Estrogen receptor beta mediates acute myocardial protection following ischemia. Surgery, 2008, 144, 233-238.	1.0	67
63	Cardiac preconditioning with calcium: Clinically accessible myocardial protection. Journal of Thoracic and Cardiovascular Surgery, 1996, 112, 778-786.	0.4	66
64	Selective estrogen receptor-Î± and estrogen receptor-Î² agonists rapidly decrease pulmonary artery vasoconstriction by a nitric oxide-dependent mechanism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1486-R1493.	0.9	65
65	Ibuprofen restores cellular immunity and decreases susceptibility to sepsis following hemorrhage. Journal of Surgical Research, 1992, 53, 55-61.	0.8	64
66	Nitric oxide downregulates lung macrophage inflammatory cytokine production. Annals of Thoracic Surgery, 1998, 66, 313-317.	0.7	62
67	Endothelial STAT3 plays a critical role in generalized myocardial proinflammatory and proapoptotic signaling. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2101-H2108.	1.5	62
68	Proinflammatory Cytokine Effects on Mesenchymal Stem Cell Therapy for the Ischemic Heart. Annals of Thoracic Surgery, 2009, 88, 1036-1043.	0.7	62
69	TGF-Î± increases human mesenchymal stem cell-secreted VEGF by MEK- and PI3-K- but not JNK- or ERK-dependent mechanisms. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1115-R1123.	0.9	61
70	Cardiac surgical implications of calcium dyshomeostasis in the heart. Annals of Thoracic Surgery, 1996, 61, 1273-1280.	0.7	60
71	P38 MAPK Mediates Myocardial Proinflammatory Cytokine Production and Endotoxin-Induced Contractile Suppression. Shock, 2004, 21, 170-174.	1.0	60
72	Adaptive and Maladaptive Mechanisms of Cellular Priming. Annals of Surgery, 1997, 226, 587-598.	2.1	60

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73	Advances in Mesenchymal Stem Cell Research in Sepsis. Journal of Surgical Research, 2012, 173, 113-126.	0.8	58
74	Embryonic stem cells attenuate myocardial dysfunction and inflammation after surgical global ischemia via paracrine actions. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1726-H1735.	1.5	57
75	Mechanisms of Sex Differences in TNFR2-Mediated Cardioprotection. Circulation, 2008, 118, S38-S45.	1.6	57
76	Estradiol-Treated Mesenchymal Stem Cells Improve Myocardial Recovery After Ischemia. Journal of Surgical Research, 2009, 152, 319-324.	0.8	57
77	SEX DIMORPHISMS IN ACTIVATED MESENCHYMAL STEM CELL FUNCTION. Shock, 2006, 26, 571-574.	1.0	56
78	THE CRITICAL ROLE OF VASCULAR ENDOTHELIAL GROWTH FACTOR IN PULMONARY VASCULAR REMODELING AFTER LUNG INJURY. Shock, 2007, 28, 4-14.	1.0	56
79	STEM CELL MECHANISMS AND PARACRINE EFFECTS. Shock, 2007, 28, 375-383.	1.0	56
80	Animal Models of Myocardial and Vascular Injury. Journal of Surgical Research, 2010, 162, 239-249.	0.8	56
81	Mechanisms of Cardiac Preconditioning: Ten Years after the Discovery of Ischemic Preconditioning. Journal of Surgical Research, 1997, 73, 1-13.	0.8	55
82	Differential IL-6 and VEGF secretion in adult and neonatal mesenchymal stem cells: Role of NFkB. Cytokine, 2008, 43, 215-219.	1.4	55
83	Î²-BLOCKERS IN SEPSIS. Shock, 2009, 31, 113-119.	1.0	55
84	Preconditioning: Evolution of Basic Mechanisms to Potential Therapeutic Strategies. Shock, 2004, 21, 195-209.	1.0	54
85	Differential Effects of Phosphodiesterase-5 Inhibitors on Hypoxic Pulmonary Vasoconstriction and Pulmonary Artery Cytokine Expression. Annals of Thoracic Surgery, 2006, 81, 272-278.	0.7	54
86	TNF RECEPTOR 2, NOT TNF RECEPTOR 1, ENHANCES MESENCHYMAL STEM CELL-MEDIATED CARDIAC PROTECTION FOLLOWING ACUTE ISCHEMIA. Shock, 2010, 33, 602-607.	1.0	54
87	INTERLEUKIN-10 STABILIZES INHIBITORY kB-Î± IN HUMAN MONOCYTES. Shock, 1998, 10, 389-394.	1.0	53
88	LPS-Induced NF-Î°B Activation and TNF-Î± Release in Human Monocytes Are Protein Tyrosine Kinase Dependent and Protein Kinase C Independent. Journal of Surgical Research, 1999, 83, 69-74.	0.8	51
89	TNF-Î± Neutralization Decreases Nuclear Factor-Î°B Activation and Apoptosis During Renal Obstruction. Journal of Surgical Research, 2006, 131, 182-188.	0.8	51
90	Tumor Necrosis Factor Receptor 1 Signaling Resistance in the Female Myocardium During Ischemia. Circulation, 2006, 114, I-282-I-289.	1.6	51

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91	The struggle for iron: gastrointestinal microbes modulate the host immune response during infection. Journal of Leukocyte Biology, 2007, 81, 393-400.	1.5	50
92	INTERLEUKIN 18 IN THE HEART. Shock, 2008, 30, 3-10.	1.0	50
93	Intravenous Infusion of Mesenchymal Stem Cells Is Associated With Improved Myocardial Function During Endotoxemia. Shock, 2011, 36, 235-241.	1.0	50
94	Hypoxic pulmonary vasoconstriction and pulmonary artery tissue cytokine expression are mediated by protein kinase C. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L1215-L1219.	1.3	48
95	TLR4 Inhibits Mesenchymal Stem Cell (MSC) STAT3 Activation and Thereby Exerts Deleterious Effects on MSCâ€“Mediated Cardioprotection. PLoS ONE, 2010, 5, e14206.	1.1	48
96	Pretreating mesenchymal stem cells with interleukin-1Î² and transforming growth factor-Î² synergistically increases vascular endothelial growth factor production and improves mesenchymal stem cellâ€“mediated myocardial protection after acute ischemia. Surgery, 2012, 151, 353-363.	1.0	47
97	Hypoxic pulmonary vasoconstriction in cardiothoracic surgery: basic mechanisms to potential therapies. Annals of Thoracic Surgery, 2004, 78, 360-368.	0.7	46
98	Brief exposure to exogenous testosterone increases death signaling and adversely affects myocardial function after ischemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1168-R1174.	0.9	46
99	Cytokines in Epithelial-Mesenchymal Transition: A New Insight Into Obstructive Nephropathy. Journal of Urology, 2008, 180, 461-468.	0.2	46
100	Cardiac Preconditioning. Archives of Surgery, 1993, 128, 1208.	2.3	44
101	UNILATERAL URETERAL OBSTRUCTION INDUCES RENAL TUBULAR CELL PRODUCTION OF TUMOR NECROSIS FACTOR-Î± INDEPENDENT OF INFLAMMATORY CELL INFILTRATION. Journal of Urology, 2004, 172, 1595-1599.	0.2	44
102	Stem Cell Transplantation as a Therapeutic Approach to Organ Failure1. Journal of Surgical Research, 2005, 129, 152-160.	0.8	43
103	L-Arginine Decreases Alveolar Macrophage Proinflammatory Monokine Production during Acute Lung Injury by a Nitric Oxide Synthase-Dependent Mechanism. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 43, 888-893.	1.1	43
104	Stem cells as a potential future treatment of pediatric intestinal disorders. Journal of Pediatric Surgery, 2008, 43, 1953-1963.	0.8	42
105	Interleukin-10 protects the ischemic heart from reperfusion injury via the STAT3 pathway. Surgery, 2011, 150, 231-239.	1.0	42
106	Intracoronary Mesenchymal Stem Cells Promote Postischemic Myocardial Functional Recovery, Decrease Inflammation, and Reduce Apoptosis via a Signal Transducer and Activator of Transcription 3 Mechanism. Journal of the American College of Surgeons, 2011, 213, 253-260.	0.2	42
107	Protein Kinase C Isoform Diversity in Preconditioning. Journal of Surgical Research, 1997, 69, 183-187.	0.8	39
108	Cell-Based Therapy for Ischemic Heart Disease: A Clinical Update. Annals of Thoracic Surgery, 2009, 88, 1714-1722.	0.7	39

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109	Toll-like receptor 2 mediates mesenchymal stem cell-associated myocardial recovery and VEGF production following acute ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1529-H1536.	1.5	39
110	EXOGENOUS ESTROGEN RAPIDLY ATTENUATES PULMONARY ARTERY VASOREACTIVITY AND ACUTE HYPOXIC PULMONARY VASOCONSTRICTION. Shock, 2008, 30, 660-667.	1.0	38
111	p38 Mitogen Activated Protein Kinase Mediates Both Death Signaling and Functional Depression in the Heart. Annals of Thoracic Surgery, 2005, 80, 2235-2241.	0.7	37
112	Activation of individual tumor necrosis factor receptors differentially affects stem cell growth factor and cytokine production. American Journal of Physiology - Renal Physiology, 2007, 293, G657-G662.	1.6	37
113	IL-6 and TGF-Î± Costimulate Mesenchymal Stem Cell Vascular Endothelial Growth Factor Production by ERK-, JNK-, and PI3K-Mediated Mechanisms. Shock, 2011, 35, 512-516.	1.0	37
114	Optimal myocardial preservation: Cooling, cardioplegia, and conditioning. Annals of Thoracic Surgery, 1996, 61, 760-768.	0.7	36
115	TISSUE-SPECIFIC PROTEIN KINASE C ISOFORMS DIFFERENTIALLY MEDIATE MACROPHAGE TNFÎ± AND IL-1Î² PRODUCTION. Shock, 1998, 9, 256-260.	1.0	36
116	Postconditioning in Females Depends on Injury Severity. Journal of Surgical Research, 2006, 134, 342-347.	0.8	36
117	Stem Cells in Sepsis. Annals of Surgery, 2009, 250, 19-27.	2.1	36
118	The Phosphoinositide-3 Kinase Survival Signaling Mechanism in Sepsis. Shock, 2010, 34, 442-449.	1.0	36
119	Intracellular signaling mechanisms of sex hormones in acute myocardial inflammation and injury. Frontiers in Bioscience - Landmark, 2005, 10, 1835.	3.0	35
120	Gender Dimorphisms in Progenitor and Stem Cell Function in Cardiovascular Disease. Journal of Cardiovascular Translational Research, 2010, 3, 103-113.	1.1	35
121	Neutrophils Mediate Pulmonary Vasomotor Dysfunction in Endotoxin-induced Acute Lung Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 42, 391-397.	1.1	35
122	Preconditioning and Hypothermic Cardioplegia Protect Human Heart Equally Against Ischemia. Annals of Thoracic Surgery, 1997, 63, 147-152.	0.7	34
123	Calcium Preconditioning in Human Myocardium. Annals of Thoracic Surgery, 1998, 65, 1065-1070.	0.7	34
124	Both endogenous and exogenous testosterone decrease myocardial STAT3 activation and SOCS3 expression after acute ischemia and reperfusion. Surgery, 2009, 146, 138-144.	1.0	34
125	CONSTRUCTIVE PRIMING OF MYOCARDIUM AGAINST ISCHEMIA-REPERFUSION INJURY. Shock, 1996, 6, 238-242.	1.0	33
126	Deficiency of TNFR1 protects myocardium through SOCS3 and IL-6 but not p38 MAPK or IL-1Î². American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1694-H1699.	1.5	33

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127	MEK, p38, and PI-3K mediate cross talk between EGFR and TNFR in enhancing hepatocyte growth factor production from human mesenchymal stem cells. American Journal of Physiology - Cell Physiology, 2009, 297, C1284-C1293.	2.1	33
128	Acute postischemic treatment with estrogen receptor-Î± agonist or estrogen receptor-Î² agonist improves myocardial recovery. Surgery, 2009, 146, 145-154.	1.0	33
129	Energetics of Lymphocyte "Burnout" in Late Sepsis: Adjuvant Treatment with ATP-MgCl2 Improves Energetics and Decreases Lethality. Journal of Surgical Research, 1994, 56, 537-542.	0.8	32
130	Protein Kinase C in Normal and Pathologic Myocardial States. Journal of Surgical Research, 1999, 81, 249-259.	0.8	32
131	Aprotinin improves kidney function and decreases tubular cell apoptosis and proapoptotic signaling after renal ischemia-reperfusion. Journal of Thoracic and Cardiovascular Surgery, 2005, 130, 662.e1-662.e11.	0.4	32
132	TNF-Î± and myocardial depression in endotoxemic rats: temporal discordance of an obligatory relationship. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R502-R508.	0.9	31
133	Inhibition of Myocardial TNF-alpha Production by Heat Shock: A Potential Mechanism of Stress-Induced Cardioprotection against Postischemic Dysfunctiona. Annals of the New York Academy of Sciences, 1999, 874, 69-82.	1.8	31
134	The obligate role of protein kinase C in mediating clinically accessible cardiac preconditioning. Surgery, 1996, 120, 345-353.	1.0	30
135	On-pump coronary artery bypass surgery activates human myocardial NF-Î°B and increases TNF-Î± in the heart. Journal of Surgical Research, 2003, 112, 175-179.	0.8	29
136	Vascular Endothelial Growth Factor Improves Myocardial Functional Recovery Following Ischemia/Reperfusion Injury. Journal of Surgical Research, 2008, 150, 286-292.	0.8	29
137	Optimizing Stem Cell Function for the Treatment of Ischemic Heart Disease. Journal of Surgical Research, 2011, 166, 138-145.	0.8	29
138	Î±-Adrenergic Activation of Myocardial NFÎ°B during Hemorrhage. Journal of Surgical Research, 1997, 69, 268-276.	0.8	28
139	Increased levels of myocardial IÎ°B-Î± protein promote tolerance to endotoxin. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1084-H1091.	1.5	28
140	Preconditioning up-regulates the soluble TNF receptor I response to endotoxin. Journal of Surgical Research, 2004, 121, 20-24.	0.8	27
141	The Immunomodulatory Properties of Mesenchymal Stem Cells: Implications for Surgical Disease. Journal of Surgical Research, 2011, 167, 78-86.	0.8	27
142	The Right Heart and Its Distinct Mechanisms of Development, Function, and Failure. Journal of Surgical Research, 2008, 146, 304-313.	0.8	26
143	Signal transducer and activator of transcription 3â€"stimulated hypoxia inducible factor-1Î± mediates estrogen receptor-Î±â€"induced mesenchymal stem cell vascular endothelial growth factor production. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 163-171.e1.	0.4	26
144	Endothelial monocyte-activating polypeptide II causes NOS-dependent pulmonary artery vasodilation: a novel effect for a proinflammatory cytokine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R767-R771.	0.9	25

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145	Estrogen increases protective proteins following trauma and hemorrhage. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R809-R811.	0.9	25
146	Iron chelation acutely stimulates fetal human intestinal cell production of IL-6 and VEGF while decreasing HGF: the roles of p38, ERK, and JNK MAPK signaling. American Journal of Physiology - Renal Physiology, 2007, 292, G958-G963.	1.6	25
147	MEK mediates the novel cross talk between TNFR2 and TGF-EGFR in enhancing vascular endothelial growth factor (VEGF) secretion from human mesenchymal stem cells. Surgery, 2009, 146, 198-205.	1.0	25
148	Exogenous high-mobility group box 1 improves myocardial recovery after acute global ischemia/reperfusion injury. Surgery, 2011, 149, 329-335.	1.0	25
149	ANGIOPOIETIN-1 IN THE TREATMENT OF ISCHEMIA AND SEPSIS. Shock, 2009, 31, 335-341.	1.0	24
150	Female stem cells are superior to males in preserving myocardial function following endotoxemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1506-R1514.	0.9	24
151	Calcium-Induced Inotropy Is in Part Mediated by Protein Kinase C. Journal of Surgical Research, 1996, 63, 400-405.	0.8	23
152	Pentoxifylline Treatment Attenuates Pulmonary Vasomotor Dysfunction in Acute Lung Injury. Journal of Surgical Research, 1997, 71, 150-154.	0.8	23
153	Clinical L-Type Ca2+Channel Blockade Prevents Ischemic Preconditioning of Human Myocardium. Journal of Molecular and Cellular Cardiology, 1999, 31, 2191-2197.	0.9	23
154	EXPERIMENTAL THERAPIES FOR HYPOXIA-INDUCED PULMONARY HYPERTENSION DURING ACUTE LUNG INJURY. Shock, 2006, 25, 214-226.	1.0	23
155	Stem Cells Improve Right Ventricular Functional Recovery After Acute Pressure Overload and Ischemia Reperfusion Injury. Journal of Surgical Research, 2007, 141, 241-246.	0.8	23
156	G-Protein-Coupled Receptor 30 Mediates Estrogen's Nongenomic Effects after Hemorrhagic Shock and Trauma. American Journal of Pathology, 2007, 170, 1148-1151.	1.9	23
157	Stem Cell Therapy in Myocardial Repair and Remodeling. Journal of the American College of Surgeons, 2008, 207, 423-434.	0.2	23
158	Tumor Necrosis Factor-Î± Induces Intrinsic Apoptotic Signaling During Renal Obstruction Through Truncated Bid Activation. Journal of Urology, 2008, 180, 2694-2700.	0.2	23
159	Systemic pretreatment with dimethyloxalylglycine increases myocardial HIF-1Î± and VEGF production and improves functional recovery after acute ischemia/reperfusion. Surgery, 2011, 150, 278-283.	1.0	23
160	<scp>l</scp>-Arginine prevents lung neutrophil accumulation and preserves pulmonary endothelial function after endotoxin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L337-L342.	1.3	22
161	Preconditioning: Gender Effects1. Journal of Surgical Research, 2005, 129, 202-220.	0.8	22
162	LPS induces late cardiac functional protection against ischemia independent of cardiac and circulating TNF-Î±. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H1894-H1902.	1.5	21

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163	The Effect of Chronic Exogenous Androgen on Myocardial Function Following Acute Ischemia-Reperfusion in Hosts with Different Baseline Levels of Sex Steroids. Journal of Surgical Research, 2007, 142, 113-118.	0.8	21
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