Aaron M Abarbanell

List of Publications by Year
in descending order

65	2,054	186265	243625
papers	citations	28 h-index	44 g-index

65	65	65	3236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PRECONDITIONING MESENCHYMAL STEM CELLS WITH TRANSFORMING GROWTH FACTOR-ALPHA IMPROVES MESENCHYMAL STEM CELL-MEDIATED CARDIOPROTECTION. Shock, 2010, 33, 24-30.	2.1	141
2	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.	1.8	135
3	Sex Steroids and Stem Cell Function. Molecular Medicine, 2008, 14, 493-501.	4.4	112
4	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.	1.9	76
5	Signaling via GPR30 protects the myocardium from ischemia/reperfusion injury. Surgery, 2010, 148, 436-443.	1.9	75
6	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.	1.8	74
7	Mesenchymal stem cells attenuate myocardial functional depression and reduce systemic and myocardial inflammation during endotoxemia. Surgery, 2010, 148, 444-452.	1.9	69
8	Proinflammatory Cytokine Effects on Mesenchymal Stem Cell Therapy for the Ischemic Heart. Annals of Thoracic Surgery, 2009, 88, 1036-1043.	1.3	62
9	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.	3.2	57
10	STEM CELL MECHANISMS AND PARACRINE EFFECTS. Shock, 2007, 28, 375-383.	2.1	56
11	Animal Models of Myocardial and Vascular Injury. Journal of Surgical Research, 2010, 162, 239-249.	1.6	56
12	TNF RECEPTOR 2, NOT TNF RECEPTOR 1, ENHANCES MESENCHYMAL STEM CELL-MEDIATED CARDIAC PROTECTION FOLLOWING ACUTE ISCHEMIA. Shock, 2010, 33, 602-607.	2.1	54
13	Intravenous Infusion of Mesenchymal Stem Cells Is Associated With Improved Myocardial Function During Endotoxemia. Shock, 2011, 36, 235-241.	2.1	50
14	TLR4 Inhibits Mesenchymal Stem Cell (MSC) STAT3 Activation and Thereby Exerts Deleterious Effects on MSCâ€“Mediated Cardioprotection. PLoS ONE, 2010, 5, e14206.	2.5	48
15	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.	1.9	47
16	Interleukin-10 protects the ischemic heart from reperfusion injury via the STAT3 pathway. Surgery, 2011, 150, 231-239.	1.9	42
17	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.	0.5	42
18	Peritoneal drainage as definitive management of intestinal perforation in extremely low-birth-weight infants. Journal of Pediatric Surgery, 2003, 38, 1814-1817.	1.6	41

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19	Cell-Based Therapy for Ischemic Heart Disease: A Clinical Update. Annals of Thoracic Surgery, 2009, 88, 1714-1722.	1.3	39
20	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.	3.2	39
21	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.	2.1	37
22	Stem Cells in Sepsis. Annals of Surgery, 2009, 250, 19-27.	4.2	36
23	The Phosphoinositide-3 Kinase Survival Signaling Mechanism in Sepsis. Shock, 2010, 34, 442-449.	2.1	36
24	Gender Dimorphisms in Progenitor and Stem Cell Function in Cardiovascular Disease. Journal of Cardiovascular Translational Research, 2010, 3, 103-113.	2.4	35
25	Both endogenous and exogenous testosterone decrease myocardial STAT3 activation and SOCS3 expression after acute ischemia and reperfusion. Surgery, 2009, 146, 138-144.	1.9	34
26	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.	4.6	33
27	Acute postischemic treatment with estrogen receptor-Î± agonist or estrogen receptor-Î² agonist improves myocardial recovery. Surgery, 2009, 146, 145-154.	1.9	33
28	An overview of mechanical circulatory support in single-ventricle patients. Translational Pediatrics, 2018, 7, 151-161.	1.2	33
29	Is anticoagulation with bivalirudin comparable to heparin for pediatric extracorporeal life support? Results from a highâ€volume center. Artificial Organs, 2021, 45, 15-21.	1.9	33
30	The Effect of Tetrathiomolybdate on Cytokine Expression, Angiogenesis, and Tumor Growth in Squamous Cell Carcinoma of the Head and Neck. JAMA Otolaryngology, 2005, 131, 204.	1.2	31
31	Optimizing Stem Cell Function for the Treatment of Ischemic Heart Disease. Journal of Surgical Research, 2011, 166, 138-145.	1.6	29
32	The Immunomodulatory Properties of Mesenchymal Stem Cells: Implications for Surgical Disease. Journal of Surgical Research, 2011, 167, 78-86.	1.6	27
33	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.	1.9	25
34	Exogenous high-mobility group box 1 improves myocardial recovery after acute global ischemia/reperfusion injury. Surgery, 2011, 149, 329-335.	1.9	25
35	Toll-Like Receptor Signaling Pathways and the Evidence Linking Toll-Like Receptor Signaling to Cardiac Ischemia/Reperfusion Injury. Shock, 2010, 34, 548-557.	2.1	24
36	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.	1.8	24

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37	Systemic pretreatment with dimethyloxalylglycine increases myocardial HIF-1Î± and VEGF production and improves functional recovery after acute ischemia/reperfusion. Surgery, 2011, 150, 278-283.	1.9	23
38	ABLATION OF TNF-Î± RECEPTORS INFLUENCES MESENCHYMAL STEM CELL-MEDIATED CARDIAC PROTECTION AGAINST ISCHEMIA. Shock, 2010, 34, 236-242.	2.1	21
39	Postischemic Infusion of 17-Î²-Estradiol Protects Myocardial Function and Viability. Journal of Surgical Research, 2008, 146, 218-224.	1.6	20
40	Postinfarct intramyocardial injection of mesenchymal stem cells pretreated with TGF-Î± improves acute myocardial function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R371-R378.	1.8	20
41	Surgical Versus Percutaneous Closure of PDA in Preterm Infants: Procedural Charges and Outcomes. Journal of Surgical Research, 2019, 243, 41-46.	1.6	20
42	Transforming Growth Factor-Î± Enhances Stem Cell-Mediated Postischemic Myocardial Protection. Annals of Thoracic Surgery, 2011, 92, 1719-1725.	1.3	16
43	Symptom persistence after vascular ring repair in children. Journal of Pediatric Surgery, 2020, 55, 2317-2321.	1.6	16
44	Role of Tumor Necrosis Factor Receptor 1 in Sex Differences of Stem Cell Mediated Cardioprotection. Annals of Thoracic Surgery, 2009, 87, 812-819.	1.3	15
45	Nitric Oxide SUPPRESSES THE SECRETION OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND HEPATOCYTE GROWTH FACTOR FROM HUMAN MESENCHYMAL STEM CELLS. Shock, 2008, 30, 527-531.	2.1	13
46	Right ventricular TNF resistance during endotoxemia: the differential effects on ventricular function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1893-R1897.	1.8	12
47	Surgical Treatment of Atrial Fibrillation: The Time Is Now. Annals of Thoracic Surgery, 2010, 90, 2079-2086.	1.3	11
48	Proinflammatory Stem Cell Signaling in Cardiac Ischemia. Antioxidants and Redox Signaling, 2009, 11, 1883-1896.	5.4	8
49	Does Ascending Aorta Size Affect Norwood Outcomes in Hypoplastic LeftÂHeart With Aortic Atresia?. Annals of Thoracic Surgery, 2020, 110, 1651-1658.	1.3	8
50	Surgical considerations in infant lung transplantation: Challenges and opportunities. American Journal of Transplantation, 2021, 21, 15-20.	4.7	8
51	Anomalous Systemic Artery to the Left Lower Lobe: Literature Review and a New Surgical Technique. World Journal for Pediatric & Congenital Heart Surgery, 2018, 9, 326-332.	0.8	5
52	Trends in Pediatric Appendectomy Outcomes. Journal of Surgical Research, 2010, 161, 233-234.	1.6	4
53	Mesenchymal Stem Cellsâ€"A New Approach toÂIntestinal Ischemia/Reperfusion Injury?. Journal of Surgical Research, 2010, 164, 214-215.	1.6	4
54	Pretreatment with intracoronary mimosine improves postischemic myocardial functional recovery. Surgery, 2011, 150, 191-196.	1.9	4

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55	TGF-Î± Equalizes Age Disparities in Stem Cell-Mediated Cardioprotection. Journal of Surgical Research, 2012, 176, 386-394.	1.6	4
56	Outcomes 60 years after surgical valvotomy for isolated congenital pulmonary valve stenosis. Journal of Cardiac Surgery, 2021, 36, 1531-1533.	0.7	3
57	Comparison of Postoperative Recovery after Laparoscopic and Open Pyloromyotomy. Pediatric Endosurgery and Innovative Techniques: Part B of Journal of Laparoendoscopic and Advanced Surgical Techniques, 2001, 5, 389-392.	0.2	2
58	Improved Outcomes of Infant Lung Transplantation Over Three Decades. Annals of Thoracic Surgery, 2021, , .	1.3	2
59	Structure and Lipophilicityâ€"the Keys to Understanding the Function of Pyruvate Derivatives for Ischemia/Reperfusion?. Journal of Surgical Research, 2010, 164, 72-73.	1.6	1
60	Transforming growth factor-alpha does not protect myocardium during acute ischemia/reperfusion. Surgery, 2011, 150, 339-346.	1.9	1
61	Recanalization of an atretic intramural left main coronary artery after bypass surgery in a pediatric patient with anomalous aortic origin of the left main coronary artery arising from the right sinus of Valsalva. Catheterization and Cardiovascular Interventions, 2020, 95, 739-742.	1.7	1
62	Extended sternotomy with lateral neck incision: An alternative approach for children with large apical chest masses with thoracic inlet involvement. Journal of Pediatric Surgery, 2021, 56, 1237-1241.	1.6	1
63	Infant En Bloc Lung Transplantation. Operative Techniques in Thoracic and Cardiovascular Surgery, 2021, 26, 118-131.	0.3	1
64	Can ARC Save the Heart?. Journal of Surgical Research, 2010, 161, 38-39.	1.6	0
65	Transmyocardial Revascularization: A New Approach Using Stents in Swine. Journal of Surgical Research, 2010, 160, 226-227.	1.6	0