

# Aaron M Abarbanell

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,054  
citations

186265  
28  
h-index

243625  
44  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Is anticoagulation with bivalirudin comparable to heparin for pediatric extracorporeal life support? Results from a high-volume center. <i>Artificial Organs</i> , 2021, 45, 15-21.	1.9	33
2	Surgical considerations in infant lung transplantation: Challenges and opportunities. <i>American Journal of Transplantation</i> , 2021, 21, 15-20.	4.7	8
3	Outcomes 60 years after surgical valvotomy for isolated congenital pulmonary valve stenosis. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1531-1533.	0.7	3
4	Improved Outcomes of Infant Lung Transplantation Over Three Decades. <i>Annals of Thoracic Surgery</i> , 2021, , .	1.3	2
5	Extended sternotomy with lateral neck incision: An alternative approach for children with large apical chest masses with thoracic inlet involvement. <i>Journal of Pediatric Surgery</i> , 2021, 56, 1237-1241.	1.6	1
6	Infant En Bloc Lung Transplantation. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2021, 26, 118-131.	0.3	1
7	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. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 739-742.	1.7	1
8	Does Ascending Aorta Size Affect Norwood Outcomes in Hypoplastic Left Heart With Aortic Atresia?. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1651-1658.	1.3	8
9	Symptom persistence after vascular ring repair in children. <i>Journal of Pediatric Surgery</i> , 2020, 55, 2317-2321.	1.6	16
10	Surgical Versus Percutaneous Closure of PDA in Preterm Infants: Procedural Charges and Outcomes. <i>Journal of Surgical Research</i> , 2019, 243, 41-46.	1.6	20
11	An overview of mechanical circulatory support in single-ventricle patients. <i>Translational Pediatrics</i> , 2018, 7, 151-161.	1.2	33
12	Anomalous Systemic Artery to the Left Lower Lobe: Literature Review and a New Surgical Technique. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2018, 9, 326-332.	0.8	5
13	TGF- $\beta$ Equalizes Age Disparities in Stem Cell-Mediated Cardioprotection. <i>Journal of Surgical Research</i> , 2012, 176, 386-394.	1.6	4
14	Pretreating mesenchymal stem cells with interleukin-1 $\beta$ and transforming growth factor- $\beta$ synergistically increases vascular endothelial growth factor production and improves mesenchymal stem cell-mediated myocardial protection after acute ischemia. <i>Surgery</i> , 2012, 151, 353-363.	1.9	47
15	Female stem cells are superior to males in preserving myocardial function following endotoxemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1506-R1514.	1.8	24
16	Optimizing Stem Cell Function for the Treatment of Ischemic Heart Disease. <i>Journal of Surgical Research</i> , 2011, 166, 138-145.	1.6	29
17	The Immunomodulatory Properties of Mesenchymal Stem Cells: Implications for Surgical Disease. <i>Journal of Surgical Research</i> , 2011, 167, 78-86.	1.6	27
18	IL-6 and TGF- $\beta$ Costimulate Mesenchymal Stem Cell Vascular Endothelial Growth Factor Production by ERK-, JNK-, and PI3K-Mediated Mechanisms. <i>Shock</i> , 2011, 35, 512-516.	2.1	37

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19	Intravenous Infusion of Mesenchymal Stem Cells Is Associated With Improved Myocardial Function During Endotoxemia. <i>Shock</i> , 2011, 36, 235-241.	2.1	50
20	Exogenous high-mobility group box 1 improves myocardial recovery after acute global ischemia/reperfusion injury. <i>Surgery</i> , 2011, 149, 329-335.	1.9	25
21	Pretreatment with intracoronary mimosine improves postischemic myocardial functional recovery. <i>Surgery</i> , 2011, 150, 191-196.	1.9	4
22	Interleukin-10 protects the ischemic heart from reperfusion injury via the STAT3 pathway. <i>Surgery</i> , 2011, 150, 231-239.	1.9	42
23	Transforming growth factor-alpha does not protect myocardium during acute ischemia/reperfusion. <i>Surgery</i> , 2011, 150, 339-346.	1.9	1
24	Systemic pretreatment with dimethylallylglycine increases myocardial HIF-1 $\alpha$ and VEGF production and improves functional recovery after acute ischemia/reperfusion. <i>Surgery</i> , 2011, 150, 278-283.	1.9	23
25	Intracoronary Mesenchymal Stem Cells Promote Postischemic Myocardial Functional Recovery, Decrease Inflammation, and Reduce Apoptosis via a Signal Transducer and Activator of Transcription 3 Mechanism. <i>Journal of the American College of Surgeons</i> , 2011, 213, 253-260.	0.5	42
26	Transforming Growth Factor- $\beta$ Enhances Stem Cell-Mediated Postischemic Myocardial Protection. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1719-1725.	1.3	16
27	TNF RECEPTOR 2, NOT TNF RECEPTOR 1, ENHANCES MESENCHYMAL STEM CELL-MEDIATED CARDIAC PROTECTION FOLLOWING ACUTE ISCHEMIA. <i>Shock</i> , 2010, 33, 602-607.	2.1	54
28	ABLATION OF TNF- $\alpha$ RECEPTORS INFLUENCES MESENCHYMAL STEM CELL-MEDIATED CARDIAC PROTECTION AGAINST ISCHEMIA. <i>Shock</i> , 2010, 34, 236-242.	2.1	21
29	The Phosphoinositide-3 Kinase Survival Signaling Mechanism in Sepsis. <i>Shock</i> , 2010, 34, 442-449.	2.1	36
30	Toll-Like Receptor Signaling Pathways and the Evidence Linking Toll-Like Receptor Signaling to Cardiac Ischemia/Reperfusion Injury. <i>Shock</i> , 2010, 34, 548-557.	2.1	24
31	Gender Dimorphisms in Progenitor and Stem Cell Function in Cardiovascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 103-113.	2.4	35
32	Mesenchymal stem cells attenuate myocardial functional depression and reduce systemic and myocardial inflammation during endotoxemia. <i>Surgery</i> , 2010, 148, 444-452.	1.9	69
33	Signaling via GPR30 protects the myocardium from ischemia/reperfusion injury. <i>Surgery</i> , 2010, 148, 436-443.	1.9	75
34	Surgical Treatment of Atrial Fibrillation: The Time Is Now. <i>Annals of Thoracic Surgery</i> , 2010, 90, 2079-2086.	1.3	11
35	TLR4 Inhibits Mesenchymal Stem Cell (MSC) STAT3 Activation and Thereby Exerts Deleterious Effects on MSC-Mediated Cardioprotection. <i>PLoS ONE</i> , 2010, 5, e14206.	2.5	48
36	PRECONDITIONING MESENCHYMAL STEM CELLS WITH TRANSFORMING GROWTH FACTOR-ALPHA IMPROVES MESENCHYMAL STEM CELL-MEDIATED CARDIOPROTECTION. <i>Shock</i> , 2010, 33, 24-30.	2.1	141

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37	Toll-like receptor 2 mediates mesenchymal stem cell-associated myocardial recovery and VEGF production following acute ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1529-H1536.	3.2	39
38	Postinfarct intramyocardial injection of mesenchymal stem cells pretreated with TGF- $\beta$ improves acute myocardial function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R371-R378.	1.8	20
39	Animal Models of Myocardial and Vascular Injury. <i>Journal of Surgical Research</i> , 2010, 162, 239-249.	1.6	56
40	Can ARC Save the Heart?. <i>Journal of Surgical Research</i> , 2010, 161, 38-39.	1.6	0
41	Transmyocardial Revascularization: A New Approach Using Stents in Swine. <i>Journal of Surgical Research</i> , 2010, 160, 226-227.	1.6	0
42	Trends in Pediatric Appendectomy Outcomes. <i>Journal of Surgical Research</i> , 2010, 161, 233-234.	1.6	4
43	Structure and Lipophilicity—the Keys to Understanding the Function of Pyruvate Derivatives for Ischemia/Reperfusion?. <i>Journal of Surgical Research</i> , 2010, 164, 72-73.	1.6	1
44	Mesenchymal Stem Cells—A New Approach to Intestinal Ischemia/Reperfusion Injury?. <i>Journal of Surgical Research</i> , 2010, 164, 214-215.	1.6	4
45	High glucose concentration in cell culture medium does not acutely affect human mesenchymal stem cell growth factor production or proliferation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1735-R1743.	1.8	74
46	Proinflammatory Stem Cell Signaling in Cardiac Ischemia. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1883-1896.	5.4	8
47	Estrogen receptor $\beta$ mediates increased activation of PI3K/Akt signaling and improved myocardial function in female hearts following acute ischemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R972-R978.	1.8	135
48	MEK, p38, and PI-3K mediate cross talk between EGFR and TNFR in enhancing hepatocyte growth factor production from human mesenchymal stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1284-C1293.	4.6	33
49	Mesenchymal stem cells enhance the viability and proliferation of human fetal intestinal epithelial cells following hypoxic injury via paracrine mechanisms. <i>Surgery</i> , 2009, 146, 190-197.	1.9	76
50	Both endogenous and exogenous testosterone decrease myocardial STAT3 activation and SOCS3 expression after acute ischemia and reperfusion. <i>Surgery</i> , 2009, 146, 138-144.	1.9	34
51	MEK mediates the novel cross talk between TNFR2 and TGF-EGFR in enhancing vascular endothelial growth factor (VEGF) secretion from human mesenchymal stem cells. <i>Surgery</i> , 2009, 146, 198-205.	1.9	25
52	Acute postischemic treatment with estrogen receptor $\alpha$ agonist or estrogen receptor $\beta$ agonist improves myocardial recovery. <i>Surgery</i> , 2009, 146, 145-154.	1.9	33
53	Role of Tumor Necrosis Factor Receptor 1 in Sex Differences of Stem Cell Mediated Cardioprotection. <i>Annals of Thoracic Surgery</i> , 2009, 87, 812-819.	1.3	15
54	Cell-Based Therapy for Ischemic Heart Disease: A Clinical Update. <i>Annals of Thoracic Surgery</i> , 2009, 88, 1714-1722.	1.3	39

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55	Proinflammatory Cytokine Effects on Mesenchymal Stem Cell Therapy for the Ischemic Heart. <i>Annals of Thoracic Surgery</i> , 2009, 88, 1036-1043.	1.3	62
56	Stem Cells in Sepsis. <i>Annals of Surgery</i> , 2009, 250, 19-27.	4.2	36
57	Postischemic Infusion of 17- $\beta$ -Estradiol Protects Myocardial Function and Viability. <i>Journal of Surgical Research</i> , 2008, 146, 218-224.	1.6	20
58	Embryonic stem cells attenuate myocardial dysfunction and inflammation after surgical global ischemia via paracrine actions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1726-H1735.	3.2	57
59	Nitric Oxide SUPPRESSES THE SECRETION OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND HEPATOCYTE GROWTH FACTOR FROM HUMAN MESENCHYMAL STEM CELLS. <i>Shock</i> , 2008, 30, 527-531.	2.1	13
60	Sex Steroids and Stem Cell Function. <i>Molecular Medicine</i> , 2008, 14, 493-501.	4.4	112
61	Right ventricular TNF resistance during endotoxemia: the differential effects on ventricular function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1893-R1897.	1.8	12
62	STEM CELL MECHANISMS AND PARACRINE EFFECTS. <i>Shock</i> , 2007, 28, 375-383.	2.1	56
63	The Effect of Tetrathiomolybdate on Cytokine Expression, Angiogenesis, and Tumor Growth in Squamous Cell Carcinoma of the Head and Neck. <i>JAMA Otolaryngology</i> , 2005, 131, 204.	1.2	31
64	Peritoneal drainage as definitive management of intestinal perforation in extremely low-birth-weight infants. <i>Journal of Pediatric Surgery</i> , 2003, 38, 1814-1817.	1.6	41
65	Comparison of Postoperative Recovery after Laparoscopic and Open Pyloromyotomy. <i>Pediatric Endosurgery and Innovative Techniques: Part B of Journal of Laparoendoscopic and Advanced Surgical Techniques</i> , 2001, 5, 389-392.	0.2	2