Timothy P Martens

List of Publications by Year
in descending order

50 papers	3,173 citations	257450 24 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	4472 citing authors

#	Article	IF	Citations
1	The renal papilla is a niche for adult kidney stem cells. Journal of Clinical Investigation, 2004, 114, 795-804.	8.2	453
2	Challenges in Cardiac Tissue Engineering. Tissue Engineering - Part B: Reviews, 2010, 16, 169-187.	4.8	431
3	Composite scaffold provides a cell delivery platform for cardiovascular repair. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7974-7979.	7.1	241
4	The effect of ischemic time on survival after heart transplantation varies by donor age: An analysis of the United Network for Organ Sharing database. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 554-559.	0.8	229
5	Preâ€treatment of synthetic elastomeric scaffolds by cardiac fibroblasts improves engineered heart tissue. Journal of Biomedical Materials Research - Part A, 2008, 86A, 713-724.	4.0	166
6	Percutaneous Cell Delivery into the Heart Using Hydrogels Polymerizing in Situ. Cell Transplantation, 2009, 18, 297-304.	2.5	142
7	Biomimetic approach to tissue engineering. Seminars in Cell and Developmental Biology, 2009, 20, 665-673.	5.0	135
8	Allogeneic Mesenchymal Precursor Cell Therapy to Limit Remodeling After Myocardial Infarction: The Effect of Cell Dosage. Annals of Thoracic Surgery, 2009, 87, 794-801.	1.3	105
9	Catheter-based delivery of cells to the heart. Nature Clinical Practice Cardiovascular Medicine, 2006, 3, S57-S64.	3.3	102
10	Mesenchymal Cell Transplantation and Myocardial Remodeling After Myocardial Infarction. Circulation, 2009, 120, S220-9.	1.6	98
11	Biodegradable Fibrous Scaffolds with Tunable Properties Formed from Photo-Cross-Linkable Poly(glycerol sebacate). ACS Applied Materials & Interfaces, 2009, 1, 1878-1886.	8.0	94
12	Mesenchymal lineage precursor cells induce vascular network formation in ischemic myocardium. Nature Clinical Practice Cardiovascular Medicine, 2006, 3, S18-S22.	3.3	90
13	Proliferation and Migration of Label-Retaining Cells of the Kidney Papilla. Journal of the American Society of Nephrology: JASN, 2009, 20, 2315-2327.	6.1	90
14	Predictors and Outcomes of Continuous Veno-venous Hemodialysis Use After Implantation of a Left Ventricular Assist Device. Journal of Heart and Lung Transplantation, 2006, 25, 404-408.	0.6	76
15	Effect of Left Ventricular Assist Device Infection on Post-transplant Outcomes. Journal of Heart and Lung Transplantation, 2009, 28, 237-242.	0.6	76
16	Risk Analysis of Deep Sternal Wound Infections and Their Impact on Long-Term Survival: A Propensity Analysis. Annals of Plastic Surgery, 2008, 61, 294-301.	0.9	71
17	Catalytic Degradation of Vitamin D Up-regulated Protein 1 mRNA Enhances Cardiomyocyte Survival and Prevents Left Ventricular Remodeling after Myocardial Ischemia. Journal of Biological Chemistry, 2005, 280, 39394-39402.	3.4	70
18	Association of device surface and biomaterials with immunologic sensitization after mechanical support. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 1372-1379.e1.	0.8	66

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19	Discharge to Home Rates Are Significantly Lower for Octogenarians Undergoing Coronary Artery Bypass Graft Surgery. Annals of Thoracic Surgery, 2007, 83, 483-489.	1.3	54
20	Ventricular assist device use for the treatment of acute viral myocarditis. Journal of Thoracic and Cardiovascular Surgery, 2006, 131, 1190-1191.	0.8	37
21	Comparisons of infection complications between continuous flow and pulsatile flow left ventricular assist devices. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 841-842.	0.8	37
22	Interaction Between Ischemic Time and Donor Age on Adult Heart Transplant Outcomes in the Modern Era. Annals of Thoracic Surgery, 2019, 108, 744-748.	1.3	34
23	Engineered microenvironments for human stem cells. Birth Defects Research Part C: Embryo Today Reviews, 2008, 84, 335-347.	3.6	27
24	Primary Transplantation for Congenital Heart Disease in the Neonatal Period: Long-term Outcomes. Annals of Thoracic Surgery, 2019, 108, 1857-1864.	1.3	27
25	Long-term transplant outcomes of donor hearts with left ventricular dysfunction. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1865-1875.	0.8	26
26	New Technology for Surgical Coronary Revascularization. Circulation, 2006, 114, 606-614.	1.6	25
27	Effect of Diabetes on Short- and Long-term Outcomes After Left Ventricular Assist Device Implantation. Journal of Heart and Lung Transplantation, 2005, 24, 2048-2053.	0.6	21
28	Catheter-Based Endomyocardial Delivery of Mesenchymal Precursor Cells Using 3D Echo Guidance Improves Cardiac Function in a Chronic Myocardial Injury Ovine Model. Cell Transplantation, 2013, 22, 2299-2309.	2.5	17
29	Bridging to transplantation with left ventricular assist devices: Outcomes in patients aged 60 years and older. Journal of Thoracic and Cardiovascular Surgery, 2005, 130, 881-882.	0.8	15
30	Naringenin Inhibits Neointimal Hyperplasia Following Arterial Reconstruction With Interpositional Vein Graft. Annals of Plastic Surgery, 2010, 64, 105-113.	0.9	15
31	Longer duration of continuous-flow ventricular assist device support predicts greater hemodynamic compromise after return of pulsatility. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 524-525.	0.8	13
32	Adult-age donors offer acceptable long-term survival to pediatric heart transplant recipients: An analysis of the United Network of Organ Sharing database. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 1208-1212.	0.8	12
33	Simvastatin reverses cardiac hypertrophy caused by disruption of the bradykininÂ2 receptorPresented in part at the American College of Cardiology meeting March 2003 in Orlando, USA, and the Society for Pediatric Research meeting May 2007 in Toronto, Canada.. Canadian Journal of Physiology and Pharmacology, 2008, 86, 633-642.	1.4	12
34	Minimally Invasive versus Standard Approach for Excision of Atrial Masses. Heart Surgery Forum, 2007, 10, E50-E54.	0.5	12
35	Engineered Cardiac Tissues for in vitro Assessment of Contractile Function and Repair Mechanisms. , 2006, 2006, 849-52.		10
36	A DNA Enzyme Against Plasminogen Activator Inhibitor- type 1 (PAI-1) Limits Neointima Formation After Angioplasty in an Obese Diabetic Rodent Model. Journal of Cardiovascular Pharmacology, 2007, 50, 633-640.	1.9	9

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37	Adhesiolysis is Facilitated by Robotic Technology in Reoperative Cardiac Surgery. Annals of Thoracic Surgery, 2005, 80, 1103-1105.	1.3	8
38	Downregulation of the CXC chemokine receptor 4/stromal cellâ€“derived factor 1 pathway enhances myocardial neovascularization, cardiomyocyte survival, and functional recoveryÂafter myocardial infarction. Journal of Thoracic and Cardiovascular Surgery, 2011, 142, 687-696.e2.	0.8	7
39	An Absorbable Hydrogel Spray Reduces Postoperative Mediastinal Adhesions After Congenital Heart Surgery. Annals of Thoracic Surgery, 2018, 105, 837-842.	1.3	7
40	Impact of transplant center volume on donor heart offer utilization rates in the United States. Journal of Cardiac Surgery, 2021, 36, 4527-4532.	0.7	3
41	Robot-Assisted Off-Pump Minimally Invasive Reoperative Coronary Artery Bypass Grafting: Case Report. Heart Surgery Forum, 2004, 7, E533-E534.	0.5	3
42	Patient-Specific Characteristics Determine Success of Surgical Atrial Fibrillation Ablation in Patients with Persistent Atrial Fibrillation. Heart Surgery Forum, 2007, 10, E468-E472.	0.5	3
43	Burning Questions in Heart Failure Management: Why Do Surgeons and Interventional Cardiologists Talk of Regenerative Cell Therapy?. Heart Failure Clinics, 2007, 3, 245-252.	2.1	1
44	Novel Multidisciplinary Management of Acute Kidney Injury After Infant Orthotopic Heart Transplantation. World Journal for Pediatric & Congenital Heart Surgery, 2020, 11, 366-367.	0.8	1
45	Unroofed Coronary Sinus Discovered Incidentally during Cardiac Surgery: Systematic Approach to Diagnosis by Transesophageal Echocardiography. Case, 2021, 5, 384-391.	0.3	1
46	Pediatric Surgical Pulmonary Valve Replacement Outcomes After Implementation of a Clinical Pathway. World Journal for Pediatric & Congenital Heart Surgery, 2022, 13, 420-425.	0.8	1
47	Digital Recording of Operations. Annals of Thoracic Surgery, 2006, 81, 408-409.	1.3	0
48	Lead extraction and upgrade to a biventricular device with concomitant systemic tricuspid valve replacement in an adult with congenitally corrected transposition: A hybrid approach. HeartRhythm Case Reports, 2020, 6, 511-515.	0.4	0
49	Effects of universal critical CHD screening of neonates at a mid-sized California congenital cardiac surgery centre. Cardiology in the Young, 2021, , 1-8.	0.8	0
50	Engineered Cardiac Tissues for in vitro Assessment of Contractile Function and Repair Mechanisms. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0