Thomas G Caranasos

List of Publications by Year
in descending order

52	2,090	331670 21	243625 44
papers	citations	h-index	g-index

60	60	60	2899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Refractory ventricular arrhythmia in a patient with Lamin A/C (LMNA) cardiomyopathy successfully treated with thoracic bilateral stellate ganglionectomy. HeartRhythm Case Reports, 2022, 8, 110-113.	0.4	2
2	Bilateral Thoracoscopic Sympathectomy After Sternotomy for Left Ventricular Assist Device Insertion. Annals of Thoracic Surgery, 2022, 114, e319-e320.	1.3	2
3	Mechanical versus bioprosthetic valve for aortic valve replacement: systematic review and meta-analysis of reconstructed individual participant data. European Journal of Cardio-thoracic Surgery, 2022, 62, .	1.4	15
4	Minimally invasive delivery of a hydrogel-based exosome patch to prevent heart failure. Journal of Molecular and Cellular Cardiology, 2022, 169, 113-121.	1.9	31
5	Novel Modification of HeartMate 3 Implantation. Annals of Thoracic Surgery, 2021, 111, e133-e134.	1.3	1
6	Injection of ROSâ€Responsive Hydrogel Loaded with Basic Fibroblast Growth Factor into the Pericardial Cavity for Heart Repair. Advanced Functional Materials, 2021, 31, 2004377.	14.9	60
7	Transxiphoid Revascularization of the Anterior Descending Coronary Artery with the Left Mammary Artery. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2021, 16, 293-296.	0.9	1
8	Minimally invasive delivery of therapeutic agents by hydrogel injection into the pericardial cavity for cardiac repair. Nature Communications, 2021, 12, 1412.	12.8	155
9	Bioprosthetic aortic valve diameter and thickness are directly related to leaflet fluttering: Results from a combined experimental and computational modeling study. JTCVS Open, 2021, 6, 60-81.	0.5	19
10	A High-Fidelity, Tissue-Based Simulation for Cardiac Transplantation. Annals of Thoracic Surgery, 2020, 109, e147-e148.	1.3	2
11	Are We Coalescing on the Best Approach for Hybrid Ablation of Atrial Fibrillation?. JACC: Clinical Electrophysiology, 2020, 6, 1616-1618.	3.2	0
12	Progression in the severity of aortic stenosis according to race among those with advanced chronic kidney disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 24-30.	1.7	0
13	Inhalation of lung spheroid cell secretome and exosomes promotes lung repair in pulmonary fibrosis. Nature Communications, 2020, 11, 1064.	12.8	228
14	Failure properties and microstructure of healthy and aneurysmatic human thoracic aortas subjected to uniaxial extension with a focus on the media. Acta Biomaterialia, 2019, 99, 443-456.	8.3	26
15	Tricuspid Valve Avulsion After Blunt Chest Wall Trauma: A Case Report for Urgent Valve Replacement. A&A Practice, 2019, 13, 233-235.	0.4	0
16	Plateletâ€Inspired Nanocells for Targeted Heart Repair After Ischemia/Reperfusion Injury. Advanced Functional Materials, 2019, 29, 1803567.	14.9	92
17	Adrenomedullin Induces Cardiac Lymphangiogenesis After Myocardial Infarction and Regulates Cardiac Edema Via Connexin 43. Circulation Research, 2019, 124, 101-113.	4.5	86
18	Anesthetic Considerations for 3-Branch Endovascular Total Aortic Arch Aneurysm Repair. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1714-1721.	1.3	1

#	Article	IF	Citations
19	Hybrid Epicardial-Endocardial Approach to Atrial Fibrillation Ablation. Current Treatment Options in Cardiovascular Medicine, 2018, 20, 25.	0.9	5
20	Therapeutic benefits of <scp>CD</scp>90â€negative cardiac stromal cells in rats with a 30â€day chronic infarct. Journal of Cellular and Molecular Medicine, 2018, 22, 1984-1991.	3.6	7
21	A Tale of Three Surgeries: Management of a Massive Recurrent Mycotic Aortic Pseudoaneurysm. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 550-557.	1.3	2
22	Targeted repair of heart injury by stem cells fused with platelet nanovesicles. Nature Biomedical Engineering, 2018, 2, 17-26.	22.5	161
23	BioGlue-Associated Loss of Aortic Valve Leaflet Motility Sonographically Masked by Both Newly Replaced Mechanical Aortic and Mitral Valves. Seminars in Cardiothoracic and Vascular Anesthesia, 2018, 22, 91-94.	1.0	1
24	Metaâ€analysis of transfemoral <scp>TAVR</scp> versus surgical aortic valve replacement. Catheterization and Cardiovascular Interventions, 2018, 91, 806-812.	1.7	18
25	Suprasternal Transcatheter Aortic Valve Replacement in Patients with Marginal Femoral Access. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2018, 13, 1-4.	0.9	0
26	Cardiac cellâ€“integrated microneedle patch for treating myocardial infarction. Science Advances, 2018, 4, eaat9365.	10.3	192
27	Length of Stay and Discharge Disposition After Transcatheter Versus Surgical Aortic Valve Replacement in the United States. Circulation: Cardiovascular Interventions, 2018, 11, e006929.	3.9	66
28	Targeting regenerative exosomes to myocardial infarction using cardiac homing peptide. Theranostics, 2018, 8, 1869-1878.	10.0	263
29	Suprasternal Transcatheter Aortic Valve Replacement in Patients with Marginal Femoral Access. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2018, 13, 1-4.	0.9	3
30	Transcatheter Versus Surgical Aortic Valve Replacement in Patients With Lower Surgical Risk Scores: A Systematic Review and Meta-Analysis of Early Outcomes. Heart Lung and Circulation, 2017, 26, 840-845.	0.4	30
31	Review of Major Registries and Clinical Trials of Late Outcomes After Transcatheter Aortic Valve Replacement. American Journal of Cardiology, 2017, 120, 331-336.	1.6	11
32	Suprasternal Aortic Valve Replacement: Key Technology and Techniques. Annals of Thoracic Surgery, 2017, 104, 1417-1422.	1.3	12
33	Heart Repair Using Nanogel-Encapsulated Human Cardiac Stem Cells in Mice and Pigs with Myocardial Infarction. ACS Nano, 2017, 11, 9738-9749.	14.6	128
34	Image-based immersed boundary model of the aortic root. Medical Engineering and Physics, 2017, 47, 72-84.	1.7	17
35	Safety and Efficacy of Allogeneic Lung Spheroid Cells in a Mismatched Rat Model of Pulmonary Fibrosis. Stem Cells Translational Medicine, 2017, 6, 1905-1916.	3.3	27
36	Derivation of therapeutic lung spheroid cells from minimally invasive transbronchial pulmonary biopsies. Respiratory Research, 2017, 18, 132.	3.6	38

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37	A heart team and multi-modality imaging approach to percutaneous closure of a post-myocardial infarction ventricular septal defect. Cardiovascular Diagnosis and Therapy, 2016, 6, 180-184.	1.7	5
38	Transcatheter versus surgical aortic valve replacement in intermediate risk patients: a meta-analysis. Cardiovascular Diagnosis and Therapy, 2016, 6, 241-249.	1.7	23
39	Effects of Matrix Metalloproteinases on the Performance of Platelet Fibrin Gel Spiked With Cardiac Stem Cells in Heart Repair. Stem Cells Translational Medicine, 2016, 5, 793-803.	3.3	22
40	Application of a Multidisciplinary Enhanced Recovery After Surgery Pathway to Improve Patient Outcomes After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2016, 118, 418-423.	1.6	20
41	Transcatheter Mitral Valve-in-Ring for Progressive Mitral Stenosis after Prior Repair with Annuloplasty: A Novel Balloon Sizing Technique. Journal of Heart Valve Disease, 2016, 25, 185-186.	0.5	1
42	Magnetically Targeted Stem Cell Delivery for Regenerative Medicine. Journal of Functional Biomaterials, 2015, 6, 526-546.	4.4	60
43	Intravenous Cardiac Stem Cell-Derived Exosomes Ameliorate Cardiac Dysfunction in Doxorubicin Induced Dilated Cardiomyopathy. Stem Cells International, 2015, 2015, 1-8.	2.5	78
44	Adult Lung Spheroid Cells Contain Progenitor Cells and Mediate Regeneration in Rodents With Bleomycin-Induced Pulmonary Fibrosis. Stem Cells Translational Medicine, 2015, 4, 1265-1274.	3.3	56
45	Cardiac regenerative potential of cardiosphereâ€derived cells from adult dog hearts. Journal of Cellular and Molecular Medicine, 2015, 19, 1805-1813.	3.6	22
46	Thoracoscopic and Laparoscopic Enucleation of Esophageal Leiomyomas. Journal of Gastrointestinal Surgery, 2015, 19, 1350-1354.	1.7	8
47	Rapid and Efficient Production of Coronary Artery Ligation and Myocardial Infarction in Mice Using Surgical Clips. PLoS ONE, 2015, 10, e0143221.	2.5	12
48	Safe Sternal Reentry in Patients With Large Thoracic Aortic Pseudoaneurysms. Annals of Thoracic Surgery, 2014, 97, 705-707.	1.3	6
49	Esophageal Perforation Management Using a Multidisciplinary Minimally Invasive Treatment Algorithm. Journal of the American College of Surgeons, 2014, 218, 768-774.	0.5	57
50	Valve-Sparing Repair of Aortic Root Aneurysms: An Update on the Florida Sleeve. Heart Surgery Forum, 2014, 17, 10.	0.5	5
51	Hepatic Artery Pseudoaneurysm: Delayed Presentation After Bicycle Accident. Journal of Trauma, 2011, 71, 783.	2.3	5
52	Early outcomes of the suprasternal transcatheter aortic valve replacement technique. Journal of Cardiac Surgery, 0, , .	0.7	2