

Thomas G Caranasos

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,090
citations

331670

21
h-index

243625

44
g-index

60
all docs

60
docs citations

60
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting regenerative exosomes to myocardial infarction using cardiac homing peptide. <i>Theranostics</i> , 2018, 8, 1869-1878.	10.0	263
2	Inhalation of lung spheroid cell secretome and exosomes promotes lung repair in pulmonary fibrosis. <i>Nature Communications</i> , 2020, 11, 1064.	12.8	228
3	Cardiac cell-integrated microneedle patch for treating myocardial infarction. <i>Science Advances</i> , 2018, 4, eaat9365.	10.3	192
4	Targeted repair of heart injury by stem cells fused with platelet nanovesicles. <i>Nature Biomedical Engineering</i> , 2018, 2, 17-26.	22.5	161
5	Minimally invasive delivery of therapeutic agents by hydrogel injection into the pericardial cavity for cardiac repair. <i>Nature Communications</i> , 2021, 12, 1412.	12.8	155
6	Heart Repair Using Nanogel-Encapsulated Human Cardiac Stem Cells in Mice and Pigs with Myocardial Infarction. <i>ACS Nano</i> , 2017, 11, 9738-9749.	14.6	128
7	Platelet-Inspired Nanocells for Targeted Heart Repair After Ischemia/Reperfusion Injury. <i>Advanced Functional Materials</i> , 2019, 29, 1803567.	14.9	92
8	Adrenomedullin Induces Cardiac Lymphangiogenesis After Myocardial Infarction and Regulates Cardiac Edema Via Connexin 43. <i>Circulation Research</i> , 2019, 124, 101-113.	4.5	86
9	Intravenous Cardiac Stem Cell-Derived Exosomes Ameliorate Cardiac Dysfunction in Doxorubicin Induced Dilated Cardiomyopathy. <i>Stem Cells International</i> , 2015, 2015, 1-8.	2.5	78
10	Length of Stay and Discharge Disposition After Transcatheter Versus Surgical Aortic Valve Replacement in the United States. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e006929.	3.9	66
11	Magnetically Targeted Stem Cell Delivery for Regenerative Medicine. <i>Journal of Functional Biomaterials</i> , 2015, 6, 526-546.	4.4	60
12	Injection of ROS-Responsive Hydrogel Loaded with Basic Fibroblast Growth Factor into the Pericardial Cavity for Heart Repair. <i>Advanced Functional Materials</i> , 2021, 31, 2004377.	14.9	60
13	Esophageal Perforation Management Using a Multidisciplinary Minimally Invasive Treatment Algorithm. <i>Journal of the American College of Surgeons</i> , 2014, 218, 768-774.	0.5	57
14	Adult Lung Spheroid Cells Contain Progenitor Cells and Mediate Regeneration in Rodents With Bleomycin-Induced Pulmonary Fibrosis. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1265-1274.	3.3	56
15	Derivation of therapeutic lung spheroid cells from minimally invasive transbronchial pulmonary biopsies. <i>Respiratory Research</i> , 2017, 18, 132.	3.6	38
16	Minimally invasive delivery of a hydrogel-based exosome patch to prevent heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 169, 113-121.	1.9	31
17	Transcatheter Versus Surgical Aortic Valve Replacement in Patients With Lower Surgical Risk Scores: A Systematic Review and Meta-Analysis of Early Outcomes. <i>Heart Lung and Circulation</i> , 2017, 26, 840-845.	0.4	30
18	Safety and Efficacy of Allogeneic Lung Spheroid Cells in a Mismatched Rat Model of Pulmonary Fibrosis. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1905-1916.	3.3	27

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19	Failure properties and microstructure of healthy and aneurysmatic human thoracic aortas subjected to uniaxial extension with a focus on the media. <i>Acta Biomaterialia</i> , 2019, 99, 443-456.	8.3	26
20	Transcatheter versus surgical aortic valve replacement in intermediate risk patients: a meta-analysis. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 241-249.	1.7	23
21	Cardiac regenerative potential of cardiosphere-derived cells from adult dog hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1805-1813.	3.6	22
22	Effects of Matrix Metalloproteinases on the Performance of Platelet Fibrin Gel Spiked With Cardiac Stem Cells in Heart Repair. <i>Stem Cells Translational Medicine</i> , 2016, 5, 793-803.	3.3	22
23	Application of a Multidisciplinary Enhanced Recovery After Surgery Pathway to Improve Patient Outcomes After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2016, 118, 418-423.	1.6	20
24	Bioprosthetic aortic valve diameter and thickness are directly related to leaflet fluttering: Results from a combined experimental and computational modeling study. <i>JTCVS Open</i> , 2021, 6, 60-81.	0.5	19
25	Meta-analysis of transfemoral TAVR versus surgical aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 806-812.	1.7	18
26	Image-based immersed boundary model of the aortic root. <i>Medical Engineering and Physics</i> , 2017, 47, 72-84.	1.7	17
27	Mechanical versus bioprosthetic valve for aortic valve replacement: systematic review and meta-analysis of reconstructed individual participant data. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	15
28	Suprasternal Aortic Valve Replacement: Key Technology and Techniques. <i>Annals of Thoracic Surgery</i> , 2017, 104, 1417-1422.	1.3	12
29	Rapid and Efficient Production of Coronary Artery Ligation and Myocardial Infarction in Mice Using Surgical Clips. <i>PLoS ONE</i> , 2015, 10, e0143221.	2.5	12
30	Review of Major Registries and Clinical Trials of Late Outcomes After Transcatheter Aortic Valve Replacement. <i>American Journal of Cardiology</i> , 2017, 120, 331-336.	1.6	11
31	Thoracoscopic and Laparoscopic Enucleation of Esophageal Leiomyomas. <i>Journal of Gastrointestinal Surgery</i> , 2015, 19, 1350-1354.	1.7	8
32	Therapeutic benefits of CD90-negative cardiac stromal cells in rats with a 30-day chronic infarct. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1984-1991.	3.6	7
33	Safe Sternal Reentry in Patients With Large Thoracic Aortic Pseudoaneurysms. <i>Annals of Thoracic Surgery</i> , 2014, 97, 705-707.	1.3	6
34	Hepatic Artery Pseudoaneurysm: Delayed Presentation After Bicycle Accident. <i>Journal of Trauma</i> , 2011, 71, 783.	2.3	5
35	Valve-Sparing Repair of Aortic Root Aneurysms: An Update on the Florida Sleeve. <i>Heart Surgery Forum</i> , 2014, 17, 10.	0.5	5
36	A heart team and multi-modality imaging approach to percutaneous closure of a post-myocardial infarction ventricular septal defect. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 180-184.	1.7	5

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37	Hybrid Epicardial-Endocardial Approach to Atrial Fibrillation Ablation. Current Treatment Options in Cardiovascular Medicine, 2018, 20, 25.	0.9	5
38	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
39	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
40	A High-Fidelity, Tissue-Based Simulation for Cardiac Transplantation. Annals of Thoracic Surgery, 2020, 109, e147-e148.	1.3	2
41	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
42	Bilateral Thoracoscopic Sympathectomy After Sternotomy for Left Ventricular Assist Device Insertion. Annals of Thoracic Surgery, 2022, 114, e319-e320.	1.3	2
43	Early outcomes of the suprasternal transcatheter aortic valve replacement technique. Journal of Cardiac Surgery, 0, , .	0.7	2
44	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
45	Anesthetic Considerations for 3-Branch Endovascular Total Aortic Arch Aneurysm Repair. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1714-1721.	1.3	1
46	Novel Modification of HeartMate 3 Implantation. Annals of Thoracic Surgery, 2021, 111, e133-e134.	1.3	1
47	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
48	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
49	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
50	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
51	Are We Coalescing on the Best Approach for Hybrid Ablation of Atrial Fibrillation?. JACC: Clinical Electrophysiology, 2020, 6, 1616-1618.	3.2	0
52	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