Keshava Rajagopal

List of Publications by Year
in descending order

72 papers	2,829 citations	331538 21 h-index	189801 50 g-index
76 all docs	76 docs citations	76 times ranked	4413 citing authors

#	Article	IF	Citations
1	Teaching old receptors new tricks: biasing seven-transmembrane receptors. Nature Reviews Drug Discovery, 2010, 9, 373-386.	21.5	724
2	New Roles for Î²-Arrestins in Cell Signaling: Not Just for Seven-Transmembrane Receptors. Molecular Cell, 2006, 24, 643-652.	4.5	273
3	beta-Arrestin2-mediated inotropic effects of the angiotensin II type 1A receptor in isolated cardiac myocytes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16284-16289.	3.3	208
4	Bleeding, Transfusion, and Mortality on Extracorporeal Life Support: ECLS Working GroupÂon Thrombosis and Hemostasis. Annals of Thoracic Surgery, 2016, 101, 682-689.	0.7	203
5	Extracorporeal Membrane Oxygenation in the Treatment of Severe Pulmonary and Cardiac Compromise in Coronavirus Disease 2019: Experience with 32 Patients. ASAIO Journal, 2020, 66, 722-730.	0.9	149
6	Marginal Cardiac Allografts Do Not Have Increased Primary Graft Dysfunction in Alternate List Transplantation. Circulation, 2006, 114, I-27-I-32.	1.6	116
7	Independent Î²-Arrestin2 and Gq/Protein Kinase CÎ¶ Pathways for ERK Stimulated by Angiotensin Type 1A Receptors in Vascular Smooth Muscle Cells Converge on Transactivation of the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2009, 284, 11953-11962.	1.6	106
8	Ribp, a Novel Rlk/Txk- and Itk-Binding Adaptor Protein That Regulates T Cell Activation. Journal of Experimental Medicine, 1999, 190, 1657-1668.	4.2	93
9	When 7 transmembrane receptors are not G protein-coupled receptors. Journal of Clinical Investigation, 2005, 115, 2971-2974.	3.9	88
10	Natural history and clinical effect of aortic valve regurgitation after left ventricular assist device implantation. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 1373-1379.	0.4	81
11	Left Ventricular Assist Device Destination Therapy Versus Extended Criteria Cardiac Transplant. Annals of Thoracic Surgery, 2010, 89, 1205-1210.	0.7	77
12	The use of lung donors older than 55 years: A review of the United Network of Organ Sharing database. Journal of Heart and Lung Transplantation, 2013, 32, 760-768.	0.3	77
13	The use of extended criteria donors decreases one-year survival in high-risk lung recipients: A review of the United Network of Organ Sharing Database. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 891-898.e2.	0.4	58
14	Towards an understanding of the mechanics underlying aortic dissection. Biomechanics and Modeling in Mechanobiology, 2007, 6, 345-359.	1.4	56
15	Modern Outcomes of Mechanical Circulatory Support as a Bridge to Pediatric Heart Transplantation. Annals of Thoracic Surgery, 2016, 101, 2321-2327.	0.7	51
16	Impact of left ventricular assist device implantation on mitral regurgitation: An analysis from the MOMENTUM 3 trial. Journal of Heart and Lung Transplantation, 2020, 39, 529-537.	0.3	44
17	Advanced Pulmonary and Cardiac Support of COVID-19 Patients. Circulation: Heart Failure, 2020, 13, e007175.	1.6	39
18	Surgical pulmonary embolectomy and catheter-based therapies for acute pulmonary embolism: A contemporary systematic review. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2155-2167.	0.4	35

#	Article	IF	Citations
19	Venous Thromboembolic Complications of Lung Transplantation: A Contemporary Single-Institution Review. Annals of Thoracic Surgery, 2015, 100, 2033-2040.	0.7	32
20	Left Ventricular Distension in Veno-arterial Extracorporeal Membrane Oxygenation: From Mechanics to Therapies. ASAIO Journal, 2019, 65, 1-10.	0.9	31
21	State of the Art: Bridging to lung transplantation using artificial organ support technologies. Journal of Heart and Lung Transplantation, 2016, 35, 1385-1398.	0.3	29
22	Venovenous Extracorporeal Membrane Oxygenation as a Bridge to Lung Transplantation: Successful Transplantation After 155 Days ofÂSupport. Annals of Thoracic Surgery, 2015, 99, 704-707.	0.7	23
23	Multi-institutional Analysis of 100 Consecutive Patients with COVID-19 and Severe Pulmonary Compromise Treated with Extracorporeal Membrane Oxygenation: Outcomes and Trends Over Time. ASAIO Journal, 2021, 67, 496-502.	0.9	23
24	Switching-Off Adora2b in Vascular Smooth Muscle Cells Halts the Development of Pulmonary Hypertension. Frontiers in Physiology, 2018, 9, 555.	1.3	21
25	Infectious Complications in Extended Criteria Heart Transplantation. Journal of Heart and Lung Transplantation, 2008, 27, 1217-1221.	0.3	20
26	Multi-institutional Analysis of 505 Patients With Coronavirus Disease-2019 Supported With Extracorporeal Membrane Oxygenation: Predictors of Survival. Annals of Thoracic Surgery, 2022, 114, 61-68.	0.7	20
27	Two-Stage Total Cardioaortic Replacement for End-Stage Heart and Aortic Disease in Marfan Syndrome: Case Report and Review of the Literature. Journal of Heart and Lung Transplantation, 2009, 28, 958-963.	0.3	16
28	Endovascular Thoracic Aortic Aneurysm Repair With Concomitant Myocardial and Carotid Revascularization. Annals of Thoracic Surgery, 2007, 84, e1-e3.	0.7	15
29	Defining quality during exÂvivo lung perfusion: The University of Maryland experience. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1376-1377.	0.4	14
30	Early Usage of Extracorporeal Membrane Oxygenation in the Absence of Invasive Mechanical Ventilation to Treat COVID-19-related Hypoxemic Respiratory Failure. ASAIO Journal, 2021, 67, 392-394.	0.9	14
31	Valve-in-Valve Transcatheter Aortic Valve Implantation: A Novel Approach to Treat Paravalvular Leak. Annals of Thoracic Surgery, 2017, 104, e325-e327.	0.7	13
32	Modeling of the Aorta: Complexities and Inadequacies. Aorta, 2020, 08, 091-097.	0.1	13
33	Pathological insights into persistent mitral regurgitation following continuous flow left ventricular assist device implantation. Journal of Heart and Lung Transplantation, 2020, 39, 184-186.	0.3	9
34	Transforming growth factor Î²1 alters the 3â€²-UTR of mRNA to promote lung fibrosis. Journal of Biological Chemistry, 2019, 294, 15781-15794.	1.6	8
35	Surgical treatment of late left ventricular assist device outflow obstruction due to extrinsic compression. Journal of Heart and Lung Transplantation, 2019, 38, 472-474.	0.3	8
36	Recreational â€˜mud feverâ€™: Leptospira interrogans induced diffuse alveolar hemorrhage and severe acute respiratory distress syndrome in a U.S. Navy seaman following â€˜mud-runâ€™ in Hawaii. IDCases, 2019, 15, e00529.	0.4	7

#	Article	IF	Citations
37	Extracorporeal Lung Support asÂaÂBridge to Airway StentingÂandÂRadiotherapy forÂAirway-Obstructing PancoastÂTumor. Annals of Thoracic Surgery, 2016, 102, e7-e9.	0.7	6
38	Commentary: Implications of coronavirus disease 2019 (COVID-19) for cardiac surgery: Priorities and decisions. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 951-952.	0.4	6
39	Survival benefit of lung transplantation compared with medical management and pulmonary rehabilitation for patients with end-stage COPD. ERJ Open Research, 2020, 6, 00177-2019.	1.1	4
40	Effects of small platform catheter-based left ventricular assist device support on regional myocardial signal transduction. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1332-1341.	0.4	3
41	Commentary: The mechanics of acute aortic dissection: Measured calculations and calculated measures. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 366-367.	0.4	3
42	Commentary: Medical management after surgical treatment of acute Stanford type A aortic dissection: Causation or â€œshearâ€•coincidence?. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1704-1705.	0.4	3
43	Basic and translational research careers as early faculty cardiothoracic surgeonsâ€”perspectives from 2 young investigators. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 362-366.	0.4	2
44	Left Ventricular Rupture After ImpellaÂ® Placement During High-Risk Percutaneous Coronary Intervention. Cardiovascular Revascularization Medicine, 2020, 21, 100-102.	0.3	2
45	Commentary: Valve-sparing reimplantation: Is support the key to aortic valve repair?. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 25-26.	0.4	1
46	Reply: The stresses of cardiovascular mechanics. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, e158-e159.	0.4	1
47	Ventricular Assist Device Failure: Exchange, Explant, or Transplant?. ASAIO Journal, 2020, 66, 69-71.	0.9	1
48	Clinically Important Misclassification of Aortic Valve Stenosis Severity Using Non-Invasive Techniques: Simultaneous Echocardiography and Cardiac Catheterization During Transcatheter Aortic Valve Implantation in Awake Patients. Heart Surgery Forum, 2020, 23, E837-E844.	0.2	1
49	Commentary: May the force(s) be with you: Loading conditions and the aorta. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.4	1
50	Swimming in the Deep (or is it Shallow?) end of the Donor Pool!. Annals of Thoracic Surgery, 2022, , .	0.7	1
51	Coronary artery bypass grafting to treat coronary arterial occlusion incurred during orthotopic heart transplantation. Journal of Cardiac Surgery, 2017, 32, 447-449.	0.3	0
52	Developing an Ideal Cardiac Valve Bioprosthesis: Xenoâ€™s Paradox. Annals of Thoracic Surgery, 2019, 108, 319-320.	0.7	0
53	Commentary: Preprocedural diagnostic imaging for transcatheter aortic valve implantationâ€”Videri quam esse. Journal of Thoracic and Cardiovascular Surgery, 2019, 162, 1085-1086.	0.4	0
54	Invited Commentary. Annals of Thoracic Surgery, 2019, 108, 1390.	0.7	0

#	Article	IF	Citations
55	Independent risk factors for ICU mortality after left ventricular assist device implantation. Artificial Organs, 2020, 44, 193-194.	1.0	0
56	Commentary: Spinal cord protection in thoracoabdominal aortic surgery: Jumping into the deep end of the pool. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 565-566.	0.4	0
57	Reply from the author: Hamlet, the cardiac surgeon. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, e234-e235.	0.4	0
58	Commentary: Coming to terms with stroke and â€œbrain lesionsâ€•in cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 647-648.	0.4	0
59	Commentary: Thinking, fast and slowâ€”and even slowerâ€”about thoracoabdominal aortic aneurysm repair. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 542-543.	0.4	0
60	Commentary: Treating â€œfunctionalâ€•tricuspid valve regurgitationâ€”why, when, and how?. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1799-1800.	0.4	0
61	Complimenting Complement. Annals of Thoracic Surgery, 2021, 112, 1972-1973.	0.7	0
62	Commentary: Continuous-Flow Left Ventricular Assist Device Implantation as a Treatment for Functional Mitral Valve Regurgitation. Seminars in Thoracic and Cardiovascular Surgery, 2021, 33, 998-1000.	0.4	0
63	Commentary: Diameter and wall stressâ€”Wrong Laplace, wrong time?. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
64	Commentary: Aortic valve structure: Entering the fourth dimension. JTCVS Techniques, 2021, 10, 217-218.	0.2	0
65	Commentary: Heart failure and the problem of causality. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 153-154.	0.4	0
66	Commentary: Quizzes, midterms, and finals: considerations in aortic root replacement. Seminars in Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
67	Function Follows Form. ASAIO Journal, 2021, Publish Ahead of Print, 734-736.	0.9	0
68	Commentary: Brain damage during extracorporeal membrane oxygenation support: Looking where the light is!. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
69	CIRRHOSIS AND PORTAL HYPERTENSION. , 2013, , 109-125.		0
70	Commentary: Succeeding to prepare and preparing to succeed. Journal of Thoracic and Cardiovascular Surgery, 2020, , .	0.4	0
71	Commentary: Myocardial protection: Whatever you do, do it well. Journal of Thoracic and Cardiovascular Surgery, 2022, , .	0.4	0
72	Atrial Fibrillation Ablation-induced Pulmonary Venous Occlusion Requiring Pneumonectomy. Annals of Thoracic Surgery, 2023, 115, e33-e35.	0.7	0