

Giovanni Battista Luciani

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

1,460
citations

394421

19
h-index

414414

32
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127
all docs

127
docs citations

127
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term Outcomes of the Ross Procedure for Young Patients with Aortic Valve Disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, , .	0.6	2
2	Cryopreserved aortic homografts for complex aortic valve or root endocarditis: a 28-year experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, , .	1.4	3
3	Bicuspid aortic valve disease from infancy to older age: A 25-year experience from an Italian referral center. <i>Journal of Cardiovascular Echography</i> , 2021, 31, 29.	0.4	0
4	Right ventricular functional recovery depends on timing of pulmonary valve replacement in tetralogy of Fallot: a video kinematic study. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 1329-1336.	1.4	5
5	Basophil Blood Cell Count Is Associated With Enhanced Factor II Plasma Coagulant Activity and Increased Risk of Mortality in Patients With Stable Coronary Artery Disease: Not Only Neutrophils as Prognostic Marker in Ischemic Heart Disease. <i>Journal of the American Heart Association</i> , 2021, 10, e018243.	3.7	17
6	Commentary: Lights and shadows of pediatric cardiac surgery in China during the coronavirus disease 2019 pandemic. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1616-1617.	0.8	0
7	Effects of echoâ€œoptimization of left ventricular assist devices on functional capacity, a randomized controlled trial. <i>ESC Heart Failure</i> , 2021, 8, 2846-2855.	3.1	4
8	Scalloped Freehand Pulmonary Homograft for Prosthetic Tricuspid Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2021, 112, e61-e64.	1.3	3
9	Impact of COVID-19 Pandemic on the Italian Humanitarian Congenital Cardiac Surgery Activity: What No One Tells You. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 705029.	2.4	2
10	Impact on Renal Function and Hospital Outcomes of an Individualized Management of Cardiopulmonary Bypass in Congenital Heart Surgery: A Pilot Study. <i>Pediatric Cardiology</i> , 2021, 42, 1862-1870.	1.3	1
11	Complete surgical resection of giant fibroma of the interventricular septum and left ventricle in an infant. <i>JTCVS Techniques</i> , 2021, 8, 183-187.	0.4	1
12	Detection of Periodontal Pathogens in Oral Samples and Cardiac Specimens in Patients Undergoing Aortic Valve Replacement: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 3874.	2.4	5
13	Cardioplegia between Evolution and Revolution: From Depolarized to Polarized Cardiac Arrest in Adult Cardiac Surgery. <i>Journal of Clinical Medicine</i> , 2021, 10, 4485.	2.4	11
14	Cor triatriatum and intracardiac anomalous pulmonary venous return: an inborn atrial flow inversion. <i>Annals of Thoracic Surgery</i> , 2021, , .	1.3	0
15	Resilience and response of the congenital cardiac network in Italy during the COVID-19 pandemic. <i>Journal of Cardiovascular Medicine</i> , 2021, 22, 9-13.	1.5	7
16	Enhanced 3D visualization for planning biventricular repair of double outlet right ventricle: a pilot study on the advantages of virtual reality. <i>European Heart Journal Digital Health</i> , 2021, 2, 667-675.	1.7	7
17	Artificial Intelligence Supports Decision Making during Open-Chest Surgery of Rare Congenital Heart Defects. <i>Journal of Clinical Medicine</i> , 2021, 10, 5330.	2.4	10
18	Wave Reflection and Ventriculo-Arterial Coupling in Bicuspid Aortic Valve Patients With Repaired Aortic Coarctation. <i>Frontiers in Pediatrics</i> , 2021, 9, 770754.	1.9	3

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19	In-situ optical assessment of rat epicardial kinematic parameters reveals frequency-dependent mechanic heterogeneity related to gender. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 154, 94-101.	2.9	6
20	Mesothelial/monocytic incidental cardiac excrescence in autoimmune disease. <i>Journal of Cardiac Surgery</i> , 2020, 35, 679-682.	0.7	2
21	Maladaptive remodeling of pulmonary artery root autografts after Ross procedure: A proteomic study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 621-632.e3.	0.8	14
22	Impact of the coronavirus disease 2019 (COVID-19) pandemic on the Italian congenital cardiac surgery system: a national survey. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 1254-1260.	1.4	12
23	Late Aortic Valve Rupture After Blunt Chest Trauma. <i>Heart Lung and Circulation</i> , 2020, 29, e279-e280.	0.4	2
24	The determinants of functional capacity in left ventricular assist device patients: many actors with not well defined roles. <i>Journal of Cardiovascular Medicine</i> , 2020, 21, 472-480.	1.5	4
25	Slow versus fast rewarming after hypothermic circulatory arrest: effects on neuroinflammation and cerebral oedema. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 792-800.	1.4	10
26	MicroRNA-208a: a Good Diagnostic Marker and a Predictor of no-Reflow in STEMI Patients Undergoing Primary Percutaneous Coronary Intervention. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 988-995.	2.4	8
27	Transcatheter Valve-in-Mitral Homograft in Tricuspid Position: First-in-Human Report. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1690.e9-1690.e11.	1.7	2
28	Italian survey on cardiac surgery for adults with congenital heart disease: which surgery, where and by whom?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 260-265.	1.1	3
29	Real-time video kinematic evaluation of the in situ beating right ventricle after pulmonary valve replacement in patients with tetralogy of Fallot: a pilot study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 625-631.	1.1	5
30	Sphingosine-1-Phosphate Receptor Agonist Fingolimod Reduces Myocardial Ischemia-Reperfusion Injury and Apoptosis Increasing Long-Term Left Ventricular Function after Heart Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, S223.	0.6	0
31	Accuracy of Micro-Computed Tomography in Post-mortem Evaluation of Fetal Congenital Heart Disease. Comparison Between Post-mortem Micro-CT and Conventional Autopsy.. <i>Frontiers in Pediatrics</i> , 2019, 7, 92.	1.9	18
32	Selective versus standard cerebro-Myocardial perfusion in neonates undergoing aortic arch repair: A multicenter study. <i>Artificial Organs</i> , 2019, 43, 728-735.	1.9	12
33	Fingolimod Plays Role in Attenuation of Myocardial Injury Related to Experimental Model of Cardiac Arrest and Extracorporeal Life Support Resuscitation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6237.	4.1	5
34	Three-Dimensional Printing of Fetal Models of Congenital Heart Disease Derived From Microfocus Computed Tomography: A Case Series. <i>Frontiers in Pediatrics</i> , 2019, 7, 567.	1.9	18
35	Selective Cerebro-Myocardial Perfusion in Complex Neonatal Aortic Arch Pathology: Midterm Results. <i>Artificial Organs</i> , 2018, 42, 457-463.	1.9	12
36	Management of type Ia endoleak: Back to the future?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1397-1398.	0.8	0

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37	Residual pulmonary hypertension after pulmonary endarterectomy: What is there more than meets the eye?. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1288-1289.	0.8	0
38	Intolerably high risk in ascending aortic surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, e187-e188.	0.8	0
39	Clinical Outcome of Benign Cardiac Tumors in Infants During A 13 Yearsâ€™ Experience: Impact of Prenatal Diagnosis. Biomedical Journal of Scientific & Technical Research, 2018, 7, .	0.1	0
40	OC18 CURRENT OUTCOME OF VENO-ARTERIAL EXTRACORPOREAL MEMBRANE OXYGENATION IN NEONATES AND INFANTS USING MAGNETIC LEVITATION CENTRIFUGAL PUMPS. Journal of Cardiovascular Medicine, 2018, 19, e8.	1.5	0
41	Current management of double-outlet left ventricle. Journal of Cardiovascular Medicine, 2017, 18, 311-317.	1.5	6
42	Blood transfusions may impair endothelium-dependent vasodilatation during coronary artery bypass surgery. Microvascular Research, 2017, 112, 109-114.	2.5	2
43	Temperature Variation After Rewarming from Deep Hypothermic Circulatory Arrest Is Associated with Survival and Neurologic Outcome. Therapeutic Hypothermia and Temperature Management, 2017, 7, 101-106.	0.9	13
44	Takayasu Arteritis Mimicking Type A Intramural Hematoma. Annals of Thoracic Surgery, 2017, 104, e35-e37.	1.3	5
45	Increased plasma thrombin potential is associated with stable coronary artery disease: An angiographically-controlled study. Thrombosis Research, 2017, 155, 16-22.	1.7	14
46	Mass-spring models for the simulation of mitral valve function: Looking for a trade-off between reliability and time-efficiency. Medical Engineering and Physics, 2017, 47, 93-104.	1.7	11
47	233â€¦Anti-arrhythmic role of sphingosine 1-phosphate in post-operative atrial fibrillation by pak1 activation. Heart, 2017, 103, A149.2-A150.	2.9	0
48	Integrated Echocardiographic Imaging of Giant Atrial Myxoma. Journal of Cardiovascular Diseases & Diagnosis, 2017, 05, .	0.0	0
49	Characterization and Expression of Sphingosine 1-Phosphate Receptors in Human and Rat Heart. Frontiers in Pharmacology, 2017, 8, 312.	3.5	28
50	Sphingosine 1-Phosphate Receptor Modulator Fingolimod (FTY720) Attenuates Myocardial Fibrosis in Post-heterotopic Heart Transplantation. Frontiers in Pharmacology, 2017, 8, 645.	3.5	33
51	Quadracuspid mitral valve: Of clefts, scallops, and indentations. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, e51-e53.	0.8	4
52	Late Endovascular Pulmonary Artery Band Migration. Annals of Thoracic Surgery, 2016, 101, 355-357.	1.3	0
53	Aortic and Mitral Valve Involvement in Maroteaux-Lamy Syndrome VI: Surgical Implications in the Enzyme Replacement Therapy Era. Annals of Thoracic Surgery, 2016, 102, e23-e25.	1.3	9
54	PP-158 Coronary Sinus Can Be Target for Permanent Atrial Fibrillation Ablation Therapy?. American Journal of Cardiology, 2016, 117, S98.	1.6	2

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55	Continuous Metabolic Monitoring in Infant Cardiac Surgery: Toward an Individualized Cardiopulmonary Bypass Strategy. Artificial Organs, 2016, 40, 65-72.	1.9	9
56	Improved Outcome of Cardiac Extracorporeal Membrane Oxygenation in Infants and Children Using Magnetic Levitation Centrifugal Pumps. Artificial Organs, 2016, 40, 27-33.	1.9	17
57	Twenty-Year Outcome After Right Ventricular Outflow Tract Repair Using Heterotopic Pulmonary Conduits in Infants and Children. Artificial Organs, 2016, 40, 50-55.	1.9	2
58	Autologous Transfusion of Stored Red Blood Cells Impairs Endothelium-Dependent Vasodilatation in Experimental Pulmonary Arterial Hypertension. This Effect Is Reversed by Inhaled Nitric Oxide. Journal of Heart and Lung Transplantation, 2016, 35, S362.	0.6	0
59	The Ross procedure in the young: evidence from multicentre registries. European Journal of Cardio-thoracic Surgery, 2016, 49, 218-219.	1.4	0
60	Long-Term Follow-Up Study of Temporary Tricuspid Valve Detachment as Approach to VSD Repair without Consequent Tricuspid Dysfunction. Texas Heart Institute Journal, 2016, 43, 392-396.	0.3	8
61	Infectious aortitis or acute aortic syndrome-that is the question. Annals of Translational Medicine, 2016, 4, 19.	1.7	0
62	Repair of acute type A aortic dissection in comatose patients. European Journal of Cardio-thoracic Surgery, 2015, 48, 951-952.	1.4	2
63	S-nitroso human serum albumin attenuates pulmonary hypertension, improves right ventricularâ€œarterial coupling, and reduces oxidative stress in a chronic right ventricle volume overload model. Journal of Heart and Lung Transplantation, 2015, 34, 479-488.	0.6	14
64	Influence of the aortic valve leaflets on the fluid-dynamics in aorta in presence of a normally functioning bicuspid valve. Biomechanics and Modeling in Mechanobiology, 2015, 14, 1349-1361.	2.8	19
65	Outcomes of the 10th <sc>I</sc>nternational <sc>C</sc>onference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion. Artificial Organs, 2015, 39, 1-6.	1.9	4
66	European multicenter experience with valve-sparing reoperations after the Ross procedure. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1132-1137.	0.8	42
67	Perfusion strategies for aortic arch surgery: trends and evidence. European Journal of Cardio-thoracic Surgery, 2015, 47, 924-925.	1.4	3
68	The role of LV in the autograft complication after ROSS operation. Heart, 2014, 100, 1987.2-1988.	2.9	0
69	Two decades of experience with the Ross operation in neonates, infants and children from the Italian Paediatric Ross Registry. Heart, 2014, 100, 1954-1959.	2.9	58
70	Invited Commentary. Annals of Thoracic Surgery, 2014, 97, 181.	1.3	1
71	Under-use of the Ross operationâ€œa lost opportunity. Lancet, The, 2014, 384, 559-560.	13.7	65
72	Neonatal Repair of Truncus Arteriosus With â€œScimitar-Likeâ€•Mixed Total Pulmonary Venous Return. Annals of Thoracic Surgery, 2014, 97, e167-e169.	1.3	2

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73	Chronic overcirculation-induced pulmonary arterial hypertension in aorto-caval shunt. <i>Microvascular Research</i> , 2014, 94, 73-79.	2.5	9
74	Ventricular and pulmonary vascular remodeling induced by pulmonary overflow in a chronic model of pretricuspid shunt. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2609-2617.	0.8	11
75	Comparison Between D901 Lilliput 1 and Kids D100 Neonatal Oxygenators: Toward Bypass Circuit Miniaturization. <i>Artificial Organs</i> , 2013, 37, E24-E28.	1.9	5
76	Helical flows and asymmetry of blood jet in dilated ascending aorta with normally functioning bicuspid valve. <i>Biomechanics and Modeling in Mechanobiology</i> , 2013, 12, 801-813.	2.8	52
77	Diagnosis of infection in paediatric veno-arterial cardiac extracorporeal membrane oxygenation: role of procalcitonin and C-reactive protein. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 1043-1049.	1.4	28
78	Effects of Angiotensin II Type 1 Receptor Antagonist and Temperature on Prolonged Cardioplegic Arrest in Neonatal Rat Myocytes. <i>Artificial Organs</i> , 2013, 37, 689-694.	1.9	3
79	Pediatric Veno-Arterial Extracorporeal Membrane Oxygenation in Fulminant Hemophagocytic Lymphohistiocytosis. <i>Artificial Organs</i> , 2013, 37, 671-673.	1.9	3
80	Role of calcium desensitization in the treatment of myocardial dysfunction after deep hypothermic circulatory arrest. <i>Critical Care</i> , 2013, 17, R245.	5.8	13
81	Minimal-access median sternotomy for aortic valve replacement. <i>Journal of Thoracic Disease</i> , 2013, 5 Suppl 6, S650-3.	1.4	4
82	Reparative surgery of the pulmonary autograft: experience with Ross reoperations. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 1309-1315.	1.4	33
83	Hot-Air Balloon Explosion in the Heart. <i>Circulation</i> , 2012, 126, 612-614.	1.6	0
84	An alternative method for neonatal cerebro-myocardial perfusion. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012, 14, 645-647.	1.1	11
85	Repair of Congenitally Dysplastic Aortic Valve by Bicuspidization: Midterm Results. <i>Annals of Thoracic Surgery</i> , 2012, 94, 1173-1179.	1.3	9
86	Influence of Bicuspid Valve Geometry on Ascending Aortic Fluid Dynamics: A Parametric Study. <i>Artificial Organs</i> , 2012, 36, 368-378.	1.9	53
87	Reply to Ji and Associates. <i>Artificial Organs</i> , 2012, 36, 325-325.	1.9	0
88	Levosimendan is superior to epinephrine in improving myocardial function after cardiopulmonary bypass with deep hypothermic circulatory arrest in rats. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 209-214.	0.8	50
89	Myocardial protection in heart transplantation using blood cardioplegia: 12-year outcome of a prospective randomized trial. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 29-36.	0.6	10
90	397 Effects of the Calcium Sensitizer Levosimendan on Myocardial Function after Cardiopulmonary Bypass (CPB) with Deep Hypothermic Circulatory Arrest in Rats. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, S136-S137.	0.6	0

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91	LVAD in situs viscerum inversus totalis. Journal of Heart and Lung Transplantation, 2011, 30, 1420-1421.	0.6	5
92	Rescue Extracorporeal Life Support for Acute Verapamil and Propranolol Toxicity in a Neonate. Artificial Organs, 2011, 35, 416-420.	1.9	16
93	Aortic Root Physiology Late After a "Perfect" Ross Operation: Magnetic Resonance Imaging Study of Three Operative Techniques. Artificial Organs, 2011, 35, 1142-1150.	1.9	3
94	Selective Cerebro-Myocardial Perfusion in Complex Congenital Aortic Arch Pathology: A Novel Technique. Artificial Organs, 2011, 35, 1029-1035.	1.9	19
95	Cardioplegia and Angiotensin II Receptor Antagonists Modulate Signal Transducers and Activators of Transcription Activation in Neonatal Rat Myocytes. Artificial Organs, 2011, 35, 1075-1081.	1.9	6
96	Cardiac resynchronization therapy or sequential pacing in failing Mustard?. Journal of Electrocardiology, 2011, 44, 285-288.	0.9	4
97	Two Cases of Double-Outlet Left Ventricle Detected Prenatally. World Journal for Pediatric & Congenital Heart Surgery, 2011, 2, 505-508.	0.8	0
98	Pericardial defects and traumatic tricuspid valve rupture: A serendipitous association?. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, e142-e144.	0.8	1
99	The Ross "Yacoub procedure for aneurysmal autograft roots: A strategy to preserve autologous pulmonary valves. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 536-542.	0.8	27
100	Comparative Finite Element Model Analysis of Ascending Aortic Flow in Bicuspid and Tricuspid Aortic Valve. Artificial Organs, 2010, 34, 1114-1120.	1.9	78
101	Repair of quadricuspid aortic valve by bicuspidization: a novel technique. Interactive Cardiovascular and Thoracic Surgery, 2010, 11, 348-350.	1.1	22
102	Valve Surgery in Congenital Heart Disease. Artificial Organs, 2009, 33, 1021-1026.	1.9	5
103	Unusual "Single Coronary" Anatomy in Transposition of the Great Arteries. Annals of Thoracic Surgery, 2009, 88, e44.	1.3	0
104	Seven-Year Performance of the Edwards Prima Plus Stentless Valve with the Intact Non-Coronary Sinus Technique. Journal of Cardiac Surgery, 2008, 23, 221-226.	0.7	4
105	Age at Repair Affects the Very Long-Term Outcome of Sinus Venosus Defect. Annals of Thoracic Surgery, 2008, 86, 153-159.	1.3	16
106	Operative Risk and Outcome of Surgery in Adults With Congenital Valve Disease. ASAIO Journal, 2008, 54, 458-462.	1.6	9
107	Validation of a Rat Model of Cardiopulmonary Bypass With a New Miniaturized Hollow Fiber Oxygenator. ASAIO Journal, 2008, 54, 514-518.	1.6	19
108	Autografts, homografts, and xenografts: overview on stentless aortic valve surgery. Journal of Cardiovascular Medicine, 2007, 8, 91-96.	1.5	12

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109	The question of preference for Ross operation in adolescents. <i>Anatolian Journal of Cardiology</i> , 2007, 7, 199.	0.4	0
110	Aortic root disease after the Ross procedure. <i>Current Opinion in Cardiology</i> , 2006, 21, 555-560.	1.8	23
111	Repair of anomalous right and circumflex coronary arteries arising from the pulmonary artery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 970-972.	0.8	7
112	Tricuspid Valve Repair in an Infant With Multiple Obstructive Candida Mycetomas. <i>Annals of Thoracic Surgery</i> , 2005, 80, 2378-2381.	1.3	11
113	Ross Operation in the Young: A Ten-Year Experience. <i>Annals of Thoracic Surgery</i> , 2005, 80, 2271-2277.	1.3	62
114	Reoperations for aortic aneurysm after the Ross procedure. <i>Journal of Heart Valve Disease</i> , 2005, 14, 766-72; discussion 772-3.	0.5	15
115	Stentless aortic valve replacement: current status and future trends. <i>Expert Review of Cardiovascular Therapy</i> , 2004, 2, 127-140.	1.5	8
116	Valve-sparing root replacement for pulmonary autograft dissection late after the Ross operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 128, 753-756.	0.8	17
117	Fate of the Aortic Root Late After Ross Operation. <i>Circulation</i> , 2003, 108, 611I-67.	1.6	60
118	Survival after stentless and stented xenograft aortic valve replacement: a concurrent, controlled trial. <i>Annals of Thoracic Surgery</i> , 2002, 74, 1443-1449.	1.3	46
119	Modified Ultrafiltration Reduces Morbidity After Adult Cardiac Operations. <i>Circulation</i> , 2001, 104, .	1.6	1
120	Blood versus crystalloid cardioplegia for myocardial protection of donor hearts during transplantation: A prospective, randomized clinical trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999, 118, 787-795.	0.8	20
121	Surgical repair of transposition of the great arteries in neonates with persistent pulmonary hypertension. <i>Annals of Thoracic Surgery</i> , 1996, 61, 800-805.	1.3	49