

Gianluca Polvani

List of Publications by Year in descending order

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97
papers

1,653
citations

279487

23
h-index

329751

37
g-index

100
all docs

100
docs citations

100
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Right Ventricular Function After Minimally Invasive Mitral Valve Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2022, 36, 1073-1080.	0.6	2
2	Preoperative Ozaki technique measures on tridimensional engineered root. Journal of Cardiovascular Computed Tomography, 2022, 16, 51-53.	0.7	2
3	Single Center Five Years™ Experience of Ozaki Procedure: Midterm Follow-up. Annals of Thoracic Surgery, 2021, 111, 1937-1943.	0.7	23
4	Culture Into Perfusion-Assisted Bioreactor Promotes Valve-Like Tissue Maturation of Recellularized Pericardial Membrane. Frontiers in Cardiovascular Medicine, 2020, 7, 80.	1.1	9
5	Coronary artery mechanics induces human saphenous vein remodelling <i>via</i> recruitment of adventitial myofibroblast-like cells mediated by Thrombospondin-1. Theranostics, 2020, 10, 2597-2611.	4.6	23
6	Long-term secondary cardiovascular prevention programme in patients subjected to coronary artery bypass surgery. European Journal of Preventive Cardiology, 2020, , .	0.8	2
7	Aggressive Surgical Approach for Treatment of Primary and Recurrent Retroperitoneal Soft Tissue Sarcoma. Indian Journal of Surgery, 2018, 80, 154-162.	0.2	7
8	Repair of a pseudoaneurysm following a Yacoub procedure. Journal of Cardiac Surgery, 2018, 33, 133-134.	0.3	1
9	One-year outcomes after rapid-deployment aortic valve replacement. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 575-585.	0.4	19
10	Undiagnosed mitroflow bioprosthesis deformation causing early structural valve deterioration. General Thoracic and Cardiovascular Surgery, 2018, 66, 543-545.	0.4	1
11	Aortic valve cell seeding into decellularized animal pericardium by perfusion-assisted bioreactor. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1481-1493.	1.3	18
12	Epicardial, Biatrial Ablation with Integrated Uni-Bipolar Radiofrequency Technology in Stand-Alone Persistent Atrial Fibrillation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2018, 13, 114-119.	0.4	1
13	A rationale multidisciplinary approach for treatment of esophageal and gastroesophageal junction cancer: Accurate review of management and perspectives. Critical Reviews in Oncology/Hematology, 2018, 132, 161-168.	2.0	6
14	Lower limb ischemia management in acute Stanford type A aortic dissection. Journal of Cardiovascular Surgery, 2018, 59, 297-299.	0.3	0
15	Composite graft using an Edwards Intuity Elite rapid deployment bioprosthesis for aortic root replacement. Journal of Cardiac Surgery, 2017, 32, 193-195.	0.3	8
16	Pseudoaneurysm of the left ventricular outflow tract after cardiac surgery. International Journal of Cardiovascular Imaging, 2017, 33, 749-750.	0.7	1
17	European prospective multicentre study of hybrid thoracoscopic and transcatheter ablation of persistent atrial fibrillation: the HISTORIC-AF trial. European Journal of Cardio-thoracic Surgery, 2017, 52, 740-745.	0.6	22
18	Retrograde type A aortic dissection from a distal aortic arch stent graft. Journal of Cardiac Surgery, 2017, 32, 708-709.	0.3	3

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19	Severe Tricuspid Regurgitation After Percutaneous Removal of a Swan-Ganz Catheter Caught by Suture. <i>Annals of Thoracic Surgery</i> , 2017, 104, e225-e226.	0.7	2
20	Optimized Protocol for the Extraction of Proteins from the Human Mitral Valve. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	0
21	Emergent redo surgery for double self-expanding valve migration during transcatheter implantation. <i>Journal of Cardiac Surgery</i> , 2017, 32, 648-649.	0.3	0
22	Fertilizing a Patient Engagement Ecosystem to Innovate Healthcare: Toward the First Italian Consensus Conference on Patient Engagement. <i>Frontiers in Psychology</i> , 2017, 8, 812.	1.1	25
23	A compact and automated <i>ex vivo</i> vessel culture system for the pulsatile pressure conditioning of human saphenous veins. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, E204-E215.	1.3	22
24	Feasibility of pig and human-derived aortic valve interstitial cells seeding on fixative-free decellularized animal pericardium. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 345-356.	1.6	19
25	Normal human mitral valve proteome: A preliminary investigation by gel-based and gel-free proteomic approaches. <i>Electrophoresis</i> , 2016, 37, 2633-2643.	1.3	3
26	Acute ascending aortic dissection associated with chronic intramural hematoma. <i>Journal of Cardiac Surgery</i> , 2016, 31, 628-630.	0.3	4
27	Postdilatation ballooning of an Edwards ELITE rapid deployment bioprosthesis for a severe paravalvular leak. <i>Journal of Cardiac Surgery</i> , 2016, 31, 515-516.	0.3	1
28	Human Saphenous Vein Response to Trans-wall Oxygen Gradients in a Novel Ex Vivo Conditioning Platform. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1449-1461.	1.3	10
29	Adventitial Vessel Growth and Progenitor Cells Activation in an Ex Vivo Culture System Mimicking Human Saphenous Vein Wall Strain after Coronary Artery Bypass Grafting. <i>PLoS ONE</i> , 2015, 10, e0117409.	1.1	26
30	Residual Antibiotics in Decontaminated Human Cardiovascular Tissues Intended for Transplantation and Risk of Falsely Negative Microbiological Analyses. <i>PLoS ONE</i> , 2014, 9, e112679.	1.1	23
31	Postoperative dissecting ventricular haematoma: a conservative strategy with a cardiac magnetic resonance imaging follow-up. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1151-1151.	0.5	4
32	Acute Aortic Insufficiency due to Rupture of an Aortic Valve Commissure. <i>Journal of Cardiac Surgery</i> , 2014, 29, 497-498.	0.3	5
33	Cavo-Atrial Metastases from Cutaneous Melanoma. <i>Journal of Cardiac Surgery</i> , 2014, 29, 795-796.	0.3	1
34	Establishing a procedure for dimethyl sulfoxide removal from cardiovascular allografts: a quantitative study. <i>Cell and Tissue Banking</i> , 2013, 14, 205-212.	0.5	4
35	Epigenetic Programming and Risk: The Birthplace of Cardiovascular Disease?. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 241-253.	5.6	25
36	Expanding extrapleural hematoma from rib fractures after cardiac surgery. <i>Asian Cardiovascular and Thoracic Annals</i> , 2013, 21, 366-368.	0.2	0

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37	Patents and Heart Valve Surgery - I: Mechanical Valves. Recent Patents on Cardiovascular Drug Discovery, 2013, 8, 17-34.	1.5	5
38	Mechanical Compliance and Immunological Compatibility of Fixative-Free Decellularized/Cryopreserved Human Pericardium. PLoS ONE, 2013, 8, e64769.	1.1	39
39	Combining Stem Cells and Tissue Engineering in Cardiovascular Repair - a Step Forward to Derivation of Novel Implants with Enhanced Function and Self-Renewal Characteristics. Recent Patents on Cardiovascular Drug Discovery, 2012, 7, 10-20.	1.5	10
40	Tools and Procedures for Ex Vivo Vein Arterialization, Preconditioning and Tissue Engineering: A Step Forward to Translation to Combat the Consequences of Vascular Graft Remodeling. Recent Patents on Cardiovascular Drug Discovery, 2012, 7, 186-195.	1.5	13
41	Saphenous Vein Cannulation in Re-Redo Cardiac Surgery. Journal of Cardiac Surgery, 2012, 27, 676-677.	0.3	2
42	Redox Proteomics Identification of Oxidatively Modified Myocardial Proteins in Human Heart Failure: Implications for Protein Function. PLoS ONE, 2012, 7, e35841.	1.1	23
43	Heart valve engineering: decellularized aortic homograft seeded with human cardiac stromal cells. Journal of Heart Valve Disease, 2012, 21, 125-34.	0.5	24
44	Endoscopic Radial Artery Harvesting for U-Clip EC-IC Bypass in the Treatment of a Giant Petrous Internal Carotid Artery Aneurysm: Technical Case Report. Minimally Invasive Neurosurgery, 2009, 52, 186-189.	0.9	9
45	Endoscopic radial artery harvesting for U-clip high-flow EC-IC bypass. Acta Neurochirurgica, 2009, 151, 529-535.	0.9	5
46	Self-closing Nitinol U-Clips for intracranial arterial microanastomosis: a preliminary experience on seven cases. Acta Neurochirurgica, 2009, 151, 969-976.	0.9	13
47	Double vs single internal thoracic artery harvesting in diabetic patients: role in perioperative infection rate. Journal of Cardiothoracic Surgery, 2008, 3, 35.	0.4	20
48	Do Women Currently Receive the Same Standard of Care in Coronary Artery Bypass Graft Procedures as Men? A Propensity Analysis. Annals of Thoracic Surgery, 2008, 85, 885-890.	0.7	31
49	A case of asymptomatic high-grade aortic coarctation. Heart, 2008, 94, 82-82.	1.2	2
50	On- and off-pump coronary surgery and perioperative myocardial infarction: an issue between incomplete and extensive revascularization. European Journal of Cardio-thoracic Surgery, 2008, 34, 118-126.	0.6	24
51	Multifactorial Bases of Stroke After Cardiac Surgery. Stroke, 2007, 38, 1140-1140.	1.0	0
52	Fine characterization of mitral valve glycosaminoglycans and their modification with degenerative disease. Clinical Chemistry and Laboratory Medicine, 2007, 45, 361-6.	1.4	9
53	Systemic Inflammation After On-Pump and Off-Pump Coronary Bypass Surgery: A One-Month Follow-Up. Annals of Thoracic Surgery, 2007, 84, 823-828.	0.7	102
54	The Challenge of Homograft Tissue Banks: The Viability of Cryopreserved Valvular Homografts. Journal of Heart and Lung Transplantation, 2007, 26, 964-965.	0.3	0

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55	Administration of Octreotide for Management of Postoperative High-Flow Chylothorax. <i>Annals of Vascular Surgery</i> , 2007, 21, 90-92.	0.4	32
56	Cyclic Intermittent Aortic Regurgitation of a Mechanical Bileaflet Aortic Valve Prosthesis: Diagnosis and Clinical Implications. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 1315.e5-1315.e8.	1.2	11
57	Rates of Cycling Cells in Cryopreserved Valvular Homograft: A Preliminary Study. <i>Artificial Organs</i> , 2007, 31, 152-154.	1.0	5
58	Recycling thoracic arteries for redo coronary artery bypass grafting: Long-term follow-up. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 233-235.	0.4	3
59	Sutureless patch-and-glue technique for the repair of coronary sinus injuries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 522-523.	0.4	8
60	Role of Hyperbaric Oxygen Therapy in the Treatment of Postoperative Organ/Space Sternal Surgical Site Infections. <i>World Journal of Surgery</i> , 2007, 31, 1702-1706.	0.8	18
61	Multidetector Computed Tomography Findings of Ectopia Cordis and Other Components of Pentalogy of Cantrell: A Case Report. <i>Heart Surgery Forum</i> , 2007, 10, E431-E433.	0.2	3
62	Nitric oxide and prostacyclin pathways: An integrated mechanism that limits myocardial infarction progression in anaesthetized rats. <i>Pharmacological Research</i> , 2006, 53, 359-366.	3.1	24
63	17 β -estradiol effects on human coronaries and grafts employed in myocardial revascularization: a preliminary study. <i>Journal of Cardiothoracic Surgery</i> , 2006, 1, 46.	0.4	2
64	Reduction Ascending Aortoplasty: Midterm Follow-Up and Predictors of Redilatation. <i>Annals of Thoracic Surgery</i> , 2006, 82, 586-591.	0.7	18
65	Proteomic analysis of membrane microdomains derived from both failing and non-failing human hearts. <i>Proteomics</i> , 2006, 6, 1976-1988.	1.3	46
66	Effect of Cryopreservation Techniques on Aortic Valve Glycosaminoglycans. <i>Artificial Organs</i> , 2006, 30, 259-264.	1.0	17
67	Abdominal Aortic Aneurysm Repair in Octogenarians: Outcomes and Predictors. <i>European Journal of Vascular and Endovascular Surgery</i> , 2006, 31, 464-469.	0.8	13
68	What patients want: A new biological era in valvular prostheses. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 443-444.	0.4	0
69	Are the aortic anatomical normal leaflets, normal leaflets? <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 30, 411-411.	0.6	0
70	The Future of Human Valve Allografts: Bioengineering and Stem Cells. <i>Artificial Organs</i> , 2005, 29, 923-923.	1.0	3
71	The role of tissue factor and P-selectin in the procoagulant response that occurs in the first month after on-pump and off-pump coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 1561-1566.e2.	0.4	27
72	Concurrent coronary and carotid artery surgery: an open debate. <i>European Heart Journal</i> , 2005, 27, 1258-1259.	1.0	0

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73	P2 receptors in human heart: upregulation of P2X6 in patients undergoing heart transplantation, interaction with TNF α and potential role in myocardial cell death. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 929-939.	0.9	48
74	Long-Term Results After Aortic Valve Replacement With the Bravo 400 Stentless Xenograft. <i>Annals of Thoracic Surgery</i> , 2005, 80, 495-501.	0.7	2
75	Meta-Analysis of Randomized Trials Comparing Off-Pump With On-Pump Coronary Artery Bypass Graft Patency. <i>Annals of Thoracic Surgery</i> , 2005, 80, 2121-2125.	0.7	98
76	Six-year monitoring of the donor-specific immune response to cryopreserved aortic allograft valves: Implications with valve dysfunction. <i>Annals of Thoracic Surgery</i> , 2004, 78, 557-563.	0.7	27
77	CRYOPRESERVATION OF PORCINE AORTIC VALVE: OPEN STATUS OF THE AORTIC LEAFLETS RESULTS IN INCREASED MATRIX GLYCOSAMINOGLYCANS STRUCTURAL MAINTENANCE. , 2004, , 485-499.		0
78	Nitric oxide-releasing aspirin inhibits vasoconstriction in perfused tail artery of normotensive and spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2003, 477, 59-68.	1.7	7
79	Oxygen metabolism during and after cardiac surgery: role of CPB. <i>Annals of Thoracic Surgery</i> , 2003, 76, 737-743.	0.7	22
80	The Aminotetraline Derivative (\hat{A} \pm)-(R,S)-5,6-Dihydroxy-2-methylamino-1,2,3,4-tetrahydro-naphthalene Hydrochloride (CHF-1024) Displays Cardioprotection in Postischemic Ventricular Dysfunction of the Rat Heart. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 633-639.	1.3	8
81	Lack of Association Between Serum Immunoreactivity and Chlamydia pneumoniae Detection in the Human Aortic Wall. <i>Circulation</i> , 2002, 106, 2647-2648.	1.6	28
82	Vascular prosthetic Graft Infection: Epidemiology, Bacteriology, Pathogenesis and Treatment. <i>Acta Chirurgica Belgica</i> , 2002, 102, 238-247.	0.2	129
83	Acute effects of 17 β -estradiol on left internal mammary graft after coronary artery bypass grafting. <i>Annals of Thoracic Surgery</i> , 2002, 74, 695-699.	0.7	8
84	Efficacy of off-pump coronary artery bypass grafting in high-risk patients. <i>Annals of Thoracic Surgery</i> , 2001, 71, 1750-1751.	0.7	2
85	Determinants of Early and Late Outcome after Surgery for Type A Aortic Dissection. <i>World Journal of Surgery</i> , 2001, 25, 1500-1506.	0.8	31
86	Minimally invasive direct coronary artery bypass grafting: midterm results and quality of life. <i>Annals of Thoracic Surgery</i> , 2000, 70, 456-460.	0.7	23
87	The radial artery: which place in coronary operation?. <i>Annals of Thoracic Surgery</i> , 2000, 69, 1288-1294.	0.7	60
88	Experimental Tracheal Transplantation Using a Cryopreserved Aortic Allograft. <i>European Surgical Research</i> , 1999, 31, 210-215.	0.6	25
89	Fresh and Cryopreserved Arterial Homografts in the Treatment of Prosthetic Graft Infections: Experience of the Italian Collaborative Vascular Homograft Group. <i>Annals of Vascular Surgery</i> , 1998, 12, 457-462.	0.4	101
90	Flexible posterior mitral annuloplasty: five-year clinical and Doppler echocardiographic results. <i>Annals of Thoracic Surgery</i> , 1998, 66, 1692-1697.	0.7	14

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91	Protectant Activity of Hexarelin or Growth Hormone Against Postischemic Ventricular Dysfunction in Hearts from Aged Rats. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 32, 260-265.	0.8	74
92	Lercanidipine Protects the Heart from Low-Flow Ischemia Damage and Antagonizes the Vasopressor Activity of Endothelin-1. <i>Journal of Cardiovascular Pharmacology</i> , 1997, 29, S41-S47.	0.8	6
93	Effects of Warm Ischemia on Valve Endothelium. <i>Annals of Thoracic Surgery</i> , 1997, 63, 656-662.	0.7	5
94	Extracardiac myxoma: An unusual right ventricular epicardial location. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 114, 672-674.	0.4	4
95	Retention of endothelium-dependent properties in human mammary arteries after cryopreservation. <i>Annals of Thoracic Surgery</i> , 1996, 61, 667-673.	0.7	15
96	Ectopic Thyroid Tissue in the Ventricular Outflow Tract: Embryologic Implications. <i>Cardiology</i> , 1995, 86, 524-526.	0.6	24
97	Intracardiac ectopic thyroid: Conservative surgical treatment. <i>Annals of Thoracic Surgery</i> , 1993, 55, 1249-1251.	0.7	8