

Lex A Van Herwerden

List of Publications by Year in descending order

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79
papers

4,559
citations

168829

31
h-index

111975

67
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80
all docs

80
docs citations

80
times ranked

4426
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging the In Vivo Degradation of Tissue Engineering Implants by Use of Supramolecular Radiopaque Biomaterials. <i>Macromolecular Bioscience</i> , 2020, 20, e2000024.	2.1	8
2	To Add or Not to Add Mitral Valve Surgery to Septal Myectomy in HOCM Patients. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2250.	1.2	2
3	Risk factors and prognosis of postpericardiotomy syndrome in patients undergoing valve surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 878-885.e1.	0.4	26
4	Diagnostic evaluation and treatment strategy in patients with suspected prosthetic heart valve dysfunction: The incremental value of MDCT. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 398-406.	0.7	9
5	Recurrent carcinoid involvement of a tricuspid bioprosthesis. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 51, ezw414.	0.6	0
6	Baseline MDCT findings after prosthetic heart valve implantation provide important complementary information to echocardiography for follow-up purposes. <i>European Radiology</i> , 2016, 26, 997-1006.	2.3	8
7	Low Incidence of Early Postoperative Cerebral Edema After Coronary Artery Bypass Grafting. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 632-636.	0.6	6
8	Long-Term Benefit of Myectomy and Anterior Mitral Leaflet Extension in Obstructive Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2015, 115, 670-675.	0.7	63
9	Dexamethasone for the prevention of postoperative atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 182, 431-437.	0.8	27
10	Multidetector-row computed tomography for prosthetic heart valve dysfunction: is concomitant non-invasive coronary angiography possible before redo-surgery?. <i>European Radiology</i> , 2015, 25, 1623-1630.	2.3	10
11	In Situ Tissue Engineering of Functional Small-Diameter Blood Vessels by Host Circulating Cells Only. <i>Tissue Engineering - Part A</i> , 2015, 21, 2583-2594.	1.6	92
12	Reliability, Agreement, and Presentation of a Reference Standard for Assessing Implanted Heart Valve Sizes by Multidetector-Row Computed Tomography. <i>American Journal of Cardiology</i> , 2015, 116, 112-120.	0.7	11
13	The Additional Value of Three-Dimensional Transesophageal Echocardiography in Complex Aortic Prosthetic Heart Valve Endocarditis. <i>Echocardiography</i> , 2015, 32, 114-125.	0.3	20
14	Multimodality Imaging Assessment of Prosthetic Heart Valves. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003703.	1.3	58
15	Evaluation of a Novel Laser-assisted Coronary Anastomotic Connector - the Trinity Clip - in a Porcine Off-pump Bypass Model. <i>Journal of Visualized Experiments</i> , 2014, , e52127.	0.2	4
16	Six-Month Healing of the Nonocclusive Coronary Anastomotic Connector in an Off-Pump Porcine Bypass Model. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2014, 9, 130-136.	0.4	6
17	Positron Emission Tomography/Computed Tomography for Diagnosis of Prosthetic Valve Endocarditis. <i>Journal of the American College of Cardiology</i> , 2014, 63, 186-187.	1.2	13
18	Cardiac computed tomography angiography results in diagnostic and therapeutic change in prosthetic heart valve endocarditis. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 377-387.	0.7	72

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19	Trends and outcomes of valve surgery: 16-year results of Netherlands Cardiac Surgery National Database. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 46, 386-397.	0.6	66
20	The nonocclusive laser-assisted coronary anastomotic connector in an off-pump porcine bypass model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1390-1397.e2.	0.4	11
21	Secretion of adipocytokines by perivascular adipose tissue near stenotic and non-stenotic coronary artery segments in patients undergoing CABG. <i>Atherosclerosis</i> , 2014, 233, 242-247.	0.4	31
22	Six-Month Healing of the Nonocclusive Coronary Anastomotic Connector in an Off-Pump Porcine Bypass Model. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2014, 9, 130-136.	0.4	2
23	Giant Left Atrial Appendage: A Rare Anomaly. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1478-1480.	0.7	12
24	A new nonocclusive laser-assisted coronary anastomotic connector in a rabbit model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1124-1129.	0.4	11
25	CT Angiography and 18F-FDG-PET Fusion Imaging for Prosthetic Heart Valve Endocarditis. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 1008-1013.	2.3	52
26	Gaming in risk-adjusted mortality rates: Effect of misclassification of risk factors in the benchmarking of cardiac surgery risk-adjusted mortality rates. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 781-789.	0.4	6
27	Assessment of a transcatheter heart valve prosthesis with multidetector computed tomography: in vitro and in vivo imaging characteristics. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 659-668.	0.7	9
28	Evaluation of cardiac surgery mortality rates: 30-day mortality or longer follow-up? <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 875-883.	0.6	94
29	Data Resource Profile: Adult cardiac surgery database of the Netherlands Association for Cardio-Thoracic Surgery. <i>International Journal of Epidemiology</i> , 2013, 42, 142-149.	0.9	22
30	Statistical Methods to Monitor Risk Factors in a Clinical Database. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2013, 6, 110-118.	0.9	4
31	Limitations of Ranking Lists Based on Cardiac Surgery Mortality Rates. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2012, 5, 403-409.	0.9	19
32	Intraoperative High-Dose Dexamethasone for Cardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2012, 308, 1761.	3.8	344
33	Performance of the original EuroSCORE. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 746-754.	0.6	115
34	Surgical treatment of residual systolic anterior motion after otherwise successful percutaneous transluminal septal myocardial ablation: A case report. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 506-508.	0.4	0
35	Pulsatile Distention of the Nondiseased and Stenotic Aortic Valve Annulus: Analysis With Electrocardiogram-Gated Computed Tomography. <i>Annals of Thoracic Surgery</i> , 2012, 93, 516-522.	0.7	22
36	Sequential use of human-derived medium supplements favours cardiovascular tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 730-739.	1.6	3

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37	New Biomaterials in Heart Valve Tissue Engineering. , 2012, , .		0
38	Subcutaneous Testing of E-spun PCL Patches Suitable for in Situ Heart Valve Tissue Engineering. , 2012, , .		0
39	Diagnostic evaluation of left-sided prosthetic heart valve dysfunction. <i>Nature Reviews Cardiology</i> , 2011, 8, 466-478.	6.1	63
40	Prosthetic heart valve assessment with multidetector-row CT: imaging characteristics of 91 valves in 83 patients. <i>European Radiology</i> , 2011, 21, 1390-1396.	2.3	60
41	Aortic root dimension changes during systole and diastole: evaluation with ECG-gated multidetector row computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 1195-1204.	0.7	90
42	Multidetector Row Computed Tomography Assessment of the Native Aortic and Mitral Valve. <i>Cardiology in Review</i> , 2011, 20, 222-229.	0.6	6
43	Environmental regulation of valvulogenesis: implications for tissue engineering. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, 8-17.	0.6	21
44	Platelet-Lysate as an Autologous Alternative for Fetal Bovine Serum in Cardiovascular Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 1317-1327.	1.6	11
45	The Ross Procedure. <i>Circulation</i> , 2009, 119, 222-228.	1.6	218
46	Translating Autologous Heart Valve Tissue Engineering from Bench to Bed. <i>Tissue Engineering - Part B: Reviews</i> , 2009, 15, 307-317.	2.5	31
47	Dissection of a dilated autograft root. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 817-818.	0.4	14
48	Comparison of Carpentier-Edwards pericardial and supraannular bioprostheses in aortic valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 374-379.	0.6	24
49	Serial echocardiographic assessment of neo-aortic regurgitation and root dimensions after the modified Ross procedure. <i>Journal of Heart Valve Disease</i> , 2006, 15, 100-6; discussion 106-7.	0.5	42
50	An evaluation of the Ross operation in adults. <i>Journal of Heart Valve Disease</i> , 2006, 15, 531-9.	0.5	52
51	Percutaneous Versus Surgical Treatment for Patients With Hypertrophic Obstructive Cardiomyopathy and Enlarged Anterior Mitral Valve Leaflets. <i>Circulation</i> , 2005, 112, 482-488.	1.6	67
52	Five year clinical effect of coronary stenting and coronary artery bypass grafting in renal insufficient patients with multivessel coronary artery disease: insights from ARTS trial. <i>European Heart Journal</i> , 2005, 26, 1488-1493.	1.0	63
53	The impact of the introduction of drug-eluting stents on the clinical practice of surgical and percutaneous treatment of coronary artery disease. <i>European Heart Journal</i> , 2005, 26, 675-681.	1.0	31
54	Late Outcome After Stenting or Coronary Artery Bypass Surgery for the Treatment of Multivessel Disease: A Single-Center Matched-Propensity Controlled Cohort Study. <i>Annals of Thoracic Surgery</i> , 2005, 79, 1563-1569.	0.7	36

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55	Prognosis After Aortic Valve Replacement With the Carpentier-Edwards Pericardial Valve: Use of Microsimulation. <i>Annals of Thoracic Surgery</i> , 2005, 80, 825-831.	0.7	21
56	Pediatric Autograft Aortic Root Replacement: A Prospective Follow-Up Study. <i>Annals of Thoracic Surgery</i> , 2005, 80, 1628-1633.	0.7	34
57	Five-Year Outcomes After Coronary Stenting Versus Bypass Surgery for the Treatment of Multivessel Disease. <i>Journal of the American College of Cardiology</i> , 2005, 46, 575-581.	1.2	559
58	Combined anterior mitral leaflet extension and spark erosion myectomy in hypertrophic obstructive cardiomyopathy: Echo-enhanced surgery. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2004, 9, 310-319.	0.2	1
59	Prognosis after aortic root replacement with cryopreserved allografts in adults. <i>Annals of Thoracic Surgery</i> , 2003, 75, 1482-1489.	0.7	40
60	Sustained Improvement After Combined Anterior Mitral Leaflet Extension and Myectomy in Hypertrophic Obstructive Cardiomyopathy. <i>Circulation</i> , 2003, 108, 2088-2092.	1.6	90
61	Choice of a mechanical valve or a bioprosthesis for AVR: does CABG matter? <i>European Journal of Cardio-thoracic Surgery</i> , 2003, 23, 688-695.	0.6	21
62	Comparison of Coronary-Artery Bypass Surgery and Stenting for the Treatment of Multivessel Disease. <i>New England Journal of Medicine</i> , 2001, 344, 1117-1124.	13.9	1,018
63	Right ventricular outflow tract reconstruction with an allograft conduit. <i>Annals of Thoracic Surgery</i> , 2001, 71, 911-917.	0.7	56
64	Estimated event-free life expectancy after autograft aortic root replacement in adults. <i>Annals of Thoracic Surgery</i> , 2001, 71, S344-S348.	0.7	15
65	Human Tissue Valves in Aortic Position. <i>Circulation</i> , 2001, 103, 1515-1521.	1.6	37
66	Decision Analyses for Prophylactic Replacement of the Björk-Shiley Convexo-concave Heart Valve. <i>Medical Decision Making</i> , 2000, 20, 20-32.	1.2	27
67	Progressive pulmonary autograft root dilatation and failure after Ross procedure. <i>Annals of Thoracic Surgery</i> , 1999, 67, 551-553.	0.7	36
68	Aortic allograft implantation techniques: pathomorphology and regurgitant jet patterns by doppler echocardiographic studies. <i>Annals of Thoracic Surgery</i> , 1998, 66, 412-416.	0.7	11
69	Reproducibility of color Doppler flow quantification of aortic regurgitation. <i>Journal of the American Society of Echocardiography</i> , 1997, 10, 899-903.	1.2	17
70	Does the pulmonary autograft in the aortic position in adults increase in diameter? An echocardiographic study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 113, 667-674.	0.4	53
71	Initial results of combined anterior mitral leaflet extension and myectomy in patients with obstructive hypertrophic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 1996, 28, 197-202.	1.2	77
72	Subcoronary implantation or aortic root replacement for human tissue valves: Sufficient data to prefer either technique?. <i>Annals of Thoracic Surgery</i> , 1995, 60, S83-S86.	0.7	24

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73	Spark erosion myectomy in hypertrophic obstructive cardiomyopathy. <i>Annals of Thoracic Surgery</i> , 1994, 58, 536-540.	0.7	6
74	Intraoperative Epicardial Echocardiography: Early Experience With a Newly Developed Small Surgical Transducer. <i>Journal of the American Society of Echocardiography</i> , 1991, 4, 147-154.	1.2	6
75	Assessment of ventricular septal defect closure by intraoperative epicardial ultrasound. <i>Journal of the American College of Cardiology</i> , 1990, 16, 1672-1679.	1.2	19
76	Transesophageal doppler color flow imaging in the detection of native and Björk-Shiley mitral valve regurgitation. <i>Journal of the American College of Cardiology</i> , 1989, 13, 95-99.	1.2	112
77	Intraoperative two-dimensional echocardiography in congenital heart disease. <i>Journal of the American College of Cardiology</i> , 1987, 9, 565-572.	1.2	61
78	Intraoperative two-dimensional echocardiography in complicated infective endocarditis of the aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1987, 93, 587-591.	0.4	15
79	Transesophageal two-dimensional echocardiography: Its role in solving clinical problems. <i>Journal of the American College of Cardiology</i> , 1986, 8, 975-979.	1.2	115