

Ivan Netuka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

1,709
citations

22
h-index

39
g-index

106
ext. papers

2,345
ext. citations

2.6
avg, IF

4.59
L-index

#	Paper	IF	Citations
97	Comparative analysis of LVAD patients in regard of ischaemic or idiopathic cardiomyopathy: A propensity-score analysis of EUROMACS data.. <i>International Journal of Artificial Organs</i> , 2022 , 3913988221075045	1.0	045
96	Bioprosthetic Total Artificial Heart in Autoregulated Mode Is Biologically Hemocompatible: Insights for Multimers of von Willebrand Factor.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , ATVBAA121316833	9.4	0
95	Trends and Outcomes of Left Ventricular Assist Device Therapy: JACC Focus Seminar.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 1092-1107	15.1	1
94	Elevated Circulating Stem Cells Level is Observed One Month After Implantation of Carmat Bioprosthetic Total Artificial Heart. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 2332-2337	7.3	0
93	Propensity score-based analysis of long-term follow-up in patients supported with durable centrifugal left ventricular assist devices: the EUROMACS analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 60, 579-587	3	6
92	First 5-year multicentric clinical trial experience with the HeartMate 3 left ventricular assist system. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 247-250	5.8	2
91	The Effect of Artificial Pulsatility on the Peripheral Vasculature in Patients With Continuous-Flow Ventricular Assist Devices. <i>Canadian Journal of Cardiology</i> , 2021 , 37, 1578-1585	3.8	2
90	First Clinical Experience With the Pressure Sensor-Based Autoregulation of Blood Flow in an Artificial Heart. <i>ASAIO Journal</i> , 2021 , 67, 1100-1108	3.6	0
89	Clinical impact and Natural Course of uncorrected tricuspid regurgitation after implantation of a left ventricular assist device: an analysis of the European Registry for Patients with Mechanical Circulatory Support (EUROMACS). <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 207-216	3	7
88	Five-year outcomes of patients supported with HeartMate 3: a single-centre experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 1155-1163	3	6
87	Aspirin and left ventricular assist devices: rationale and design for the international randomized, placebo-controlled, non-inferiority ARIES HM3 trial. <i>European Journal of Heart Failure</i> , 2021 , 23, 1226-1237	12.3	11
86	Increased pulsatility index is associated with adverse outcomes in left ventricular assist device recipients. <i>ESC Heart Failure</i> , 2021 , 8, 4288-4295	3.7	1
85	Association of thrombophilia prospective detection with hemocompatibility related outcomes in left ventricular assist device patients. <i>International Journal of Artificial Organs</i> , 2021 , 44, 838-845	1.9	0
84	The effect of long-term left ventricular assist device support on flow-sensitive plasma microRNA levels. <i>International Journal of Cardiology</i> , 2021 , 339, 138-143	3.2	0
83	Impact of concomitant cardiac valvular surgery during implantation of continuous-flow left ventricular assist devices: A European registry for patients with mechanical circulatory support (EUROMACS) analysis.. <i>Artificial Organs</i> , 2021 ,	2.6	1
82	Changes in circulating stem cells and endothelial progenitor cells over a 12-month period after implantation of a continuous-flow left ventricular assist device. <i>Archives of Medical Science</i> , 2020 , 16, 1440-1443	2.9	2
81	Predictors of Physical Capacity 6 Months After Implantation of a Full Magnetically Levitated Left Ventricular Assist Device: An Analysis From the ELEVATE Registry. <i>Journal of Cardiac Failure</i> , 2020 , 26, 580-587	3.3	6

80	Outcomes of patients after successful left ventricular assist device explantation: a EUROMACS study. <i>ESC Heart Failure</i> , 2020 , 7, 1085-1094	3.7	14
79	Heart failure etiology and risk of right heart failure in adult left ventricular assist device support: the European Registry for Patients with Mechanical Circulatory Support (EUROMACS). <i>Scandinavian Cardiovascular Journal</i> , 2020 , 54, 306-314	2	3
78	American Association for Thoracic Surgery/International Society for Heart and Lung Transplantation guidelines on selected topics in mechanical circulatory support. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 187-219	5.8	34
77	American Association for Thoracic Surgery/International Society for Heart and Lung Transplantation guidelines on selected topics in mechanical circulatory support. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 865-896	1.5	13
76	Initial bridge to transplant experience with a bioprosthetic autoregulated artificial heart. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 1491-1493	5.8	7
75	Autoregulation of Pulsatile Bioprosthetic Total Artificial Heart is Involved in Endothelial Homeostasis Preservation. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1313-1322	7	2
74	Dendritic Cells in Subcutaneous and Epicardial Adipose Tissue of Subjects with Type 2 Diabetes, Obesity, and Coronary Artery Disease. <i>Mediators of Inflammation</i> , 2019 , 2019, 5481725	4.3	15
73	2019 EACTS Expert Consensus on long-term mechanical circulatory support. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 230-270	3	117
72	Third Annual Report From the ISHLT Mechanically Assisted Circulatory Support Registry: A comparison of centrifugal and axial continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2019 , 38, 352-363	5.8	76
71	First human use of a wireless coplanar energy transfer coupled with a continuous-flow left ventricular assist device. <i>Journal of Heart and Lung Transplantation</i> , 2019 , 38, 339-343	5.8	41
70	Long-term evaluation of a fully magnetically levitated circulatory support device for advanced heart failure-two-year results from the HeartMate 3 CE Mark Study. <i>European Journal of Heart Failure</i> , 2019 , 21, 90-97	12.3	55
69	Outcomes after tricuspid valve surgery concomitant with left ventricular assist device implantation in the EUROMACS registry: a propensity score matched analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 1081-1089	3	12
68	Low-intensity anti-coagulation using Vitamin K antagonists and Factor X activity: A validation analysis of the MAGENTUM-1 study. <i>Journal of Heart and Lung Transplantation</i> , 2019 , 38, 668-669	5.8	
67	Echocardiographic Changes in Patients Implanted With a Fully Magnetically Levitated Left Ventricular Assist Device (Heartmate 3). <i>Journal of Cardiac Failure</i> , 2019 , 25, 36-43	3.3	8
66	Impact of donor variables on heart transplantation outcomes in mechanically bridged versus standard recipients. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 28, 455-464	1.8	5
65	Evaluation of low-intensity anti-coagulation with a fully magnetically levitated centrifugal-flow circulatory pump-the MAGENTUM 1 study. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 579-586	5.8	80
64	Ischemic stroke and subsequent thrombosis within a HeartMate 3 left ventricular assist system: A cautionary tale. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 170-172	5.8	12
63	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS) of the European Association for Cardio-Thoracic Surgery (EACTS): second report. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 309-316	3	71

62	Donor and recipient risk factor analysis of inferior postheart transplantation outcome in the era of durable mechanical assist devices. <i>Clinical Transplantation</i> , 2018 , 32, e13390	3.8	2
61	Effect of pulsatility on markers of vascular damage in patients with implanted continuous flow mechanical circulatory support. <i>Vnitřní Lekarství</i> , 2018 , 64, 66-71	0.3	
60	Less invasive HeartMate 3 left ventricular assist device implantation. <i>Journal of Thoracic Disease</i> , 2018 , 10, S1692-S1695	2.6	23
59	HeartMate 3 left ventricular assist system implantation technique: the devil is in the detail. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 27, 946-949	1.8	2
58	Response by Netuka et al regarding the article "Evaluation of low-intensity anti-coagulation with a fully magnetically levitated centrifugal-flow circulatory pump-the MAGENTUM 1 study". <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 1279-1280	5.8	
57	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first EUROMACS Paediatric (Paedi-EUROMACS) report. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 800-808	3	16
56	Strategy for surgical correction and mitigation of outflow graft twist with a centrifugal-flow left ventricular assist system. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 670-673	5.8	20
55	Isovolumic loading of the failing heart by intraventricular placement of a spring expander attenuates cardiac atrophy after heterotopic heart transplantation. <i>Bioscience Reports</i> , 2018 , 38,	4.1	1
54	In Vitro Evaluation of Inflow Cannula Fixation Techniques in Left Ventricular Assist Device Surgery. <i>Artificial Organs</i> , 2017 , 41, 272-275	2.6	9
53	Heartmate 3 fully magnetically levitated left ventricular assist device for the treatment of advanced heart failure -1 year results from the Ce mark trial. <i>Journal of Cardiothoracic Surgery</i> , 2017 , 12, 23	1.6	79
52	Initial experience with the HeartMate percutaneous heart pump in circulatory failure. <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 1016-1019	5.8	6
51	Outcomes in HeartMate II Patients With No Antiplatelet Therapy: 2-Year Results From the European TRACE Study. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1262-1268	2.7	51
50	Clinical hemodynamic evaluation of patients implanted with a fully magnetically levitated left ventricular assist device (HeartMate 3). <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 28-35	5.8	37
49	Mechanical cerebral thrombectomy in a BiVAD patient awaiting cardiac transplantation. <i>Journal of Cardiac Surgery</i> , 2017 , 32, 843-844	1.3	2
48	Rivaroxaban - Metabolism, Pharmacologic Properties and Drug Interactions. <i>Current Drug Metabolism</i> , 2017 , 18, 636-642	3.5	33
47	Clinical correlates of B-type natriuretic peptide monitoring in outpatients with left ventricular assist device. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2017 , 161, 68-74	1.7	3
46	The EUROMACS Registry of Patients Who Receive Mechanical Circulatory Support: Role and Perspectives 2017 , 607-611		
45	Acquired von Willebrand Syndrome 2017 , 539-544		

44	Novel insights into pretransplant allosensitization in heart transplant recipients in the contemporary era of immunosuppression and rejection surveillance. <i>Transplant International</i> , 2016 , 29, 63-72	3	16
43	Multicentre clinical trial experience with the HeartMate 3 left ventricular assist device: 30-day outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 50, 548-54	3	28
42	The impact of angiotensin II type 1 receptor antibodies on post-heart transplantation outcome in Heart Mate II bridged recipients. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 292-7	1.8	21
41	The impact of Angiotensin II Type 1 Receptor antibodies on morbidity and mortality in Heart Mate II supported recipients. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2016 , 160, 518-523	1.7	1
40	B-type natriuretic peptide: powerful predictor of end-stage chronic heart failure in individuals with systolic dysfunction of the systemic right ventricle. <i>Croatian Medical Journal</i> , 2016 , 57, 343-50	1.6	3
39	Friedreich's ataxia and advanced heart failure: An ethical conundrum in decision-making. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 1144-5	5.8	4
38	Non-Fontan Adult Congenital Heart Disease Transplantation Survival Is Equivalent to Acquired Heart Disease Transplantation Survival. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1768-73	2.7	13
37	Biphasic response in number of stem cells and endothelial progenitor cells after left ventricular assist device implantation: A 6month follow-up. <i>International Journal of Cardiology</i> , 2016 , 218, 98-103	3.2	11
36	The EUROMACS Registry of patients who receive mechanical circulatory support: Role and perspectives. <i>Cirurgia Cardiovascular</i> , 2016 , 23, 22-25	0.1	1
35	Evaluation of von Willebrand factor with a fully magnetically levitated centrifugal continuous-flow left ventricular assist device in advanced heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 860-7	5.8	91
34	Minimally invasive removal of a temporary RVAD. <i>ASAIO Journal</i> , 2015 , 61, 202-4	3.6	1
33	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first annual report. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 770-6; discussion 776-7	3	59
32	Tricuspid valve surgery in patients with idiopathic hypereosinophilic syndrome. <i>Journal of Cardiac Surgery</i> , 2015 , 30, 140-4	1.3	2
31	Aortic and Mitral Valve Replacement Due to Extensive Inflammatory Immunoglobulin G4-Related Pseudotumor. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1439-41	2.7	9
30	New modalities of surgical treatment for postinfarction left ventricular free wall rupture: A case report and literature review. <i>Cor Et Vasa</i> , 2015 , 57, e359-e361	0.3	1
29	Post-heart transplantation outcome of HeartMate II-bridged recipients requiring unplanned concomitant temporary right ventricular mechanical support. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015 , 20, 372-8	1.8	3
28	Bridge to transplantation with long-term mechanical assist device in adults after the Mustard procedure. <i>Journal of Heart and Lung Transplantation</i> , 2015 , 34, 1177-81	5.8	25
27	Fully Magnetically Levitated Left Ventricular Assist System for Treating Advanced HF: A Multicenter Study. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2579-2589	15.1	163

26	Refractory cardiogenic shock due to extensive anterior STEMI with covered left ventricular free wall rupture treated with awake VA-ECMO and LVAD as a double bridge to heart transplantation - collaboration of three cardiac centres. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2015 , 159, 681-7	1.7	8
25	Fungal infections associated with long-term mechanical circulatory support-diagnosis and management. <i>Journal of Cardiac Surgery</i> , 2014 , 29, 95-100	1.3	12
24	Right ventricular outflow tract obstruction caused by ectopic thyroid gland. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 345	2.7	1
23	Successful treatment of fulminant myocarditis with biventricular mechanical circulatory support: A two-year follow-up. <i>Cor Et Vasa</i> , 2014 , 56, e436-e440	0.3	
22	Case report: atypical fungal obstruction of the left ventricular assist device outflow cannula. <i>Journal of Cardiothoracic Surgery</i> , 2014 , 9, 40	1.6	9
21	Novel treatment of an infiltrating cardiac fibrosarcoma. <i>Texas Heart Institute Journal</i> , 2014 , 41, 248-9	0.8	4
20	Total artificial heart support with two continuous-flow ventricular assist devices in a patient with an infiltrating cardiac sarcoma. <i>ASAIO Journal</i> , 2013 , 59, 178-80	3.6	15
19	Is severe cardiac dysfunction a contraindication for complex combined oncoterapy of Hodgkiń lymphoma? Not any more. <i>ASAIO Journal</i> , 2013 , 59, 320-1	3.6	5
18	What is the optimal mode of mechanical support in transplanted patients with acute graft failure?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013 , 16, 517-9	1.8	5
17	Inhibition of soluble epoxide hydrolase by cis-4-[4-(3-adamantan-1-ylureido)cyclohexyl-oxy]benzoic acid exhibits antihypertensive and cardioprotective actions in transgenic rats with angiotensin II-dependent hypertension. <i>Clinical Science</i> , 2012 , 122, 513-25	6.5	54
16	Aortic dissections following heart transplantations. <i>Journal of Cardiac Surgery</i> , 2012 , 27, 125-7	1.3	
15	Alloimmunosenitization in left ventricular assist device recipients and impact on posttransplantation outcome. <i>ASAIO Journal</i> , 2012 , 58, 554-61	3.6	17
14	eComment: Hemodynamic monitoring with LiDCOplus system in the patients supported by isolated right ventricular assist device. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011 , 13, 57	1.8	
13	In patients with concomitant aortic and mitral valve disease is aortic valve replacement with mitral valve repair superior to double valve replacement?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011 , 12, 238-42	1.8	3
12	How does successful bridging with ventricular assist device affect cardiac transplantation outcome?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011 , 13, 405-9	1.8	20
11	Giant right coronary artery aneurysm presenting as cardiac tamponade. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 1267	3	1
10	Similar renoprotection after renin-angiotensin-dependent and -independent antihypertensive therapy in 5/6-nephrectomized Ren-2 transgenic rats: are there blood pressure-independent effects?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, 1159-69	3	26
9	Anesthesia management of a patient with a ventricular assist device for noncardiac surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2010 , 14, 29-31	1.4	19

8	Knockout of angiotensin 1-7 receptor Mas worsens the course of two-kidney, one-clip Goldblatt hypertension: roles of nitric oxide deficiency and enhanced vascular responsiveness to angiotensin II. <i>Kidney and Blood Pressure Research</i> , 2010 , 33, 476-88	3.1	30
7	Comprehensive management of severe intestinal bleeding in a patient supported for 94 days by the biventricular Levitronix CentriMag system. <i>Heart Surgery Forum</i> , 2010 , 13, E409-10	0.7	2
6	Systemic right ventricle supported by implantable axial-flow assist device. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 36, 403	3	3
5	Single-stage extensive chronic type A dissecting aortic aneurysm repair and continuous-flow ventricular assist device implantation. <i>Journal of Heart and Lung Transplantation</i> , 2009 , 28, 523-6	5.8	3
4	Gender differences in cardiac ischemic injury and protection--experimental aspects. <i>Experimental Biology and Medicine</i> , 2009 , 234, 1011-9	3.7	101
3	Sex differences in the perioperative and postoperative courses of treatment in adult patients undergoing stenotic aortic valve replacement. <i>Cor Et Vasa</i> , 2009 , 51, 404-409	0.3	
2	Development of myocardial tolerance to oxygen deficiency - experimental aspects. <i>Cor Et Vasa</i> , 2009 , 51, 691-697	0.3	1
1	Effect of perinatal hypoxia on cardiac tolerance to acute ischaemia in adult male and female rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 714-9	3	23