Ivan Netuka

List of Publications by Citations

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	Fully Magnetically Levitated Left Ventricular Assist System for Treating Advanced HF: A Multicenter Study. *Journal of the American College of Cardiology*, **2015**, 66, 2579-2589	15.1	163
96	2019 EACTS Expert Consensus on long-term mechanical circulatory support. *European Journal of Cardio-thoracic Surgery*, **2019**, 56, 230-270	3	117
95	Gender differences in cardiac ischemic injury and protection--experimental aspects. *Experimental Biology and Medicine*, **2009**, 234, 1011-9	3.7	101
94	Evaluation of von Willebrand factor with a fully magnetically levitated centrifugal continuous-flow left ventricular assist device in advanced heart failure. *Journal of Heart and Lung Transplantation*, **2016**, 35, 860-7	5.8	91
93	Evaluation of low-intensity anti-coagulation with a fully magnetically levitated centrifugal-flow circulatory pump-the MAGENTUM 1 study. *Journal of Heart and Lung Transplantation*, **2018**, 37, 579-586	5.8	80
92	Heartmate 3 fully magnetically levitated left ventricular assist device for the treatment of advanced heart failure -1 year results from the Ce mark trial. *Journal of Cardiothoracic Surgery*, **2017**, 12, 23	1.6	79
91	Third Annual Report From the ISHLT Mechanically Assisted Circulatory Support Registry: A comparison of centrifugal and axial continuous-flow left ventricular assist devices. *Journal of Heart and Lung Transplantation*, **2019**, 38, 352-363	5.8	76
90	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS) of the European Association for Cardio-Thoracic Surgery (EACTS): second report. *European Journal of Cardio-thoracic Surgery*, **2018**, 53, 309-316	3	71
89	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first annual report. *European Journal of Cardio-thoracic Surgery*, **2015**, 47, 770-6; discussion 776-7	3	59
88	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. *European Journal of Heart Failure*, **2019**, 21, 90-97	12.3	55
87	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. *Clinical Science*, **2012**, 122, 513-25	6.5	54
86	Outcomes in HeartMate II Patients With No Antiplatelet Therapy: 2-Year Results From the European TRACE Study. *Annals of Thoracic Surgery*, **2017**, 103, 1262-1268	2.7	51
85	First human use of a wireless coplanar energy transfer coupled with a continuous-flow left ventricular assist device. *Journal of Heart and Lung Transplantation*, **2019**, 38, 339-343	5.8	41
84	Clinical hemodynamic evaluation of patients implanted with a fully magnetically levitated left ventricular assist device (HeartMate 3). *Journal of Heart and Lung Transplantation*, **2017**, 36, 28-35	5.8	37
83	American Association for Thoracic Surgery/International Society for Heart and Lung Transplantation guidelines on selected topics in mechanical circulatory support. *Journal of Heart and Lung Transplantation*, **2020**, 39, 187-219	5.8	34
82	Rivaroxaban - Metabolism, Pharmacologic Properties and Drug Interactions. *Current Drug Metabolism*, **2017**, 18, 636-642	3.5	33
81	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. *Kidney and Blood Pressure Research*, **2010**, 33, 476-88	3.1	30

80	Multicentre clinical trial experience with the HeartMate 3 left ventricular assist device: 30-day outcomes. *European Journal of Cardio-thoracic Surgery*, **2016**, 50, 548-54	3	28
79	Similar renoprotection after renin-angiotensin-dependent and -independent antihypertensive therapy in 5/6-nephrectomized Ren-2 transgenic rats: are there blood pressure-independent effects?. *Clinical and Experimental Pharmacology and Physiology*, **2010**, 37, 1159-69	3	26
78	Bridge to transplantation with long-term mechanical assist device in adults after the Mustard procedure. *Journal of Heart and Lung Transplantation*, **2015**, 34, 1177-81	5.8	25
77	Effect of perinatal hypoxia on cardiac tolerance to acute ischaemia in adult male and female rats. *Clinical and Experimental Pharmacology and Physiology*, **2006**, 33, 714-9	3	23
76	Less invasive HeartMate 3 left ventricular assist device implantation. *Journal of Thoracic Disease*, **2018**, 10, S1692-S1695	2.6	23
75	The impact of angiotensin II type 1 receptor antibodies on post-heart transplantation outcome in Heart Mate II bridged recipients. *Interactive Cardiovascular and Thoracic Surgery*, **2016**, 22, 292-7	1.8	21
74	How does successful bridging with ventricular assist device affect cardiac transplantation outcome?. *Interactive Cardiovascular and Thoracic Surgery*, **2011**, 13, 405-9	1.8	20
73	Strategy for surgical correction and mitigation of outflow graft twist with a centrifugal-flow left ventricular assist system. *Journal of Heart and Lung Transplantation*, **2018**, 37, 670-673	5.8	20
72	Anesthesia management of a patient with a ventricular assist device for noncardiac surgery. *Seminars in Cardiothoracic and Vascular Anesthesia*, **2010**, 14, 29-31	1.4	19
71	Alloimmunosensitization in left ventricular assist device recipients and impact on posttransplantation outcome. *ASAIO Journal*, **2012**, 58, 554-61	3.6	17
70	Novel insights into pretransplant allosensitization in heart transplant recipients in the contemporary era of immunosuppression and rejection surveillance. *Transplant International*, **2016**, 29, 63-72	3	16
69	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first EUROMACS Paediatric (Paedi-EUROMACS) report. *European Journal of Cardio-thoracic Surgery*, **2018**, 54, 800-808	3	16
68	Dendritic Cells in Subcutaneous and Epicardial Adipose Tissue of Subjects with Type 2 Diabetes, Obesity, and Coronary Artery Disease. *Mediators of Inflammation*, **2019**, 2019, 5481725	4.3	15
67	Total artificial heart support with two continuous-flow ventricular assist devices in a patient with an infiltrating cardiac sarcoma. *ASAIO Journal*, **2013**, 59, 178-80	3.6	15
66	Outcomes of patients after successful left ventricular assist device explantation: a EUROMACS study. *ESC Heart Failure*, **2020**, 7, 1085-1094	3.7	14
65	American Association for Thoracic Surgery/International Society for Heart and Lung Transplantation guidelines on selected topics in mechanical circulatory support. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 159, 865-896	1.5	13
64	Non-Fontan Adult Congenital Heart Disease Transplantation Survival Is Equivalent to Acquired Heart Disease Transplantation Survival. *Annals of Thoracic Surgery*, **2016**, 101, 1768-73	2.7	13
63	Ischemic stroke and subsequent thrombosis within a HeartMate 3 left ventricular assist system: A cautionary tale. *Journal of Heart and Lung Transplantation*, **2018**, 37, 170-172	5.8	12

62	Outcomes after tricuspid valve surgery concomitant with left ventricular assist device implantation in the EUROMACS registry: a propensity score matched analysis. *European Journal of Cardio-thoracic Surgery*, **2019**, 56, 1081-1089	3	12
61	Fungal infections associated with long-term mechanical circulatory support-diagnosis and management. *Journal of Cardiac Surgery*, **2014**, 29, 95-100	1.3	12
60	Biphasic response in number of stem cells and endothelial progenitor cells after left ventricular assist device implantation: A 6month follow-up. *International Journal of Cardiology*, **2016**, 218, 98-103	3.2	11
59	Aspirin and left ventricular assist devices: rationale and design for the international randomized, placebo-controlled, non-inferiority ARIES HM3 trial. *European Journal of Heart Failure*, **2021**, 23, 1226-1237	12.3	11
58	In Vitro Evaluation of Inflow Cannula Fixation Techniques in Left Ventricular Assist Device Surgery. *Artificial Organs*, **2017**, 41, 272-275	2.6	9
57	Aortic and Mitral Valve Replacement Due to Extensive Inflammatory Immunoglobulin G4-Related Pseudotumor. *Annals of Thoracic Surgery*, **2015**, 100, 1439-41	2.7	9
56	Case report: atypical fungal obstruction of the left ventricular assist device outflow cannula. *Journal of Cardiothoracic Surgery*, **2014**, 9, 40	1.6	9
55	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. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2015**, 159, 681-7	1.7	8
54	Echocardiographic Changes in Patients Implanted With a Fully Magnetically Levitated Left Ventricular Assist Device (Heartmate 3). *Journal of Cardiac Failure*, **2019**, 25, 36-43	3.3	8
53	Initial bridge to transplant experience with a bioprosthetic autoregulated artificial heart. *Journal of Heart and Lung Transplantation*, **2020**, 39, 1491-1493	5.8	7
52	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). *European Journal of Cardio-thoracic Surgery*, **2021**, 59, 207-216	3	7
51	Predictors of Physical Capacity 6 Months After Implantation of a Full Magnetically Levitated Left Ventricular Assist Device: An Analysis From the ELEVATE Registry. *Journal of Cardiac Failure*, **2020**, 26, 580-587	3.3	6
50	Initial experience with the HeartMate percutaneous heart pump in circulatory failure. *Journal of Heart and Lung Transplantation*, **2017**, 36, 1016-1019	5.8	6
49	Propensity score-based analysis of long-term follow-up in patients supported with durable centrifugal left ventricular assist devices: the EUROMACS analysis. *European Journal of Cardio-thoracic Surgery*, **2021**, 60, 579-587	3	6
48	Five-year outcomes of patients supported with HeartMate 3: a single-centre experience. *European Journal of Cardio-thoracic Surgery*, **2021**, 59, 1155-1163	3	6
47	Is severe cardiac dysfunction a contraindication for complex combined oncotherapy of Hodgkin lymphoma? Not any more. *ASAIO Journal*, **2013**, 59, 320-1	3.6	5
46	What is the optimal mode of mechanical support in transplanted patients with acute graft failure?. *Interactive Cardiovascular and Thoracic Surgery*, **2013**, 16, 517-9	1.8	5
45	Impact of donor variables on heart transplantation outcomes in mechanically bridged versus standard recipients. *Interactive Cardiovascular and Thoracic Surgery*, **2019**, 28, 455-464	1.8	5

44	Novel treatment of an infiltrating cardiac fibrosarcoma. *Texas Heart Institute Journal*, **2014**, 41, 248-9	0.8	4
43	Friedreich's ataxia and advanced heart failure: An ethical conundrum in decision-making. *Journal of Heart and Lung Transplantation*, **2016**, 35, 1144-5	5.8	4
42	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). *Scandinavian Cardiovascular Journal*, **2020**, 54, 306-314	2	3
41	Post-heart transplantation outcome of HeartMate II-bridged recipients requiring unplanned concomitant temporary right ventricular mechanical support. *Interactive Cardiovascular and Thoracic Surgery*, **2015**, 20, 372-8	1.8	3
40	Systemic right ventricle supported by implantable axial-flow assist device. *European Journal of Cardio-thoracic Surgery*, **2009**, 36, 403	3	3
39	In patients with concomitant aortic and mitral valve disease is aortic valve replacement with mitral valve repair superior to double valve replacement?. *Interactive Cardiovascular and Thoracic Surgery*, **2011**, 12, 238-42	1.8	3
38	Single-stage extensive chronic type A dissecting aortic aneurysm repair and continuous-flow ventricular assist device implantation. *Journal of Heart and Lung Transplantation*, **2009**, 28, 523-6	5.8	3
37	Clinical correlates of B-type natriuretic peptide monitoring in outpatients with left ventricular assist device. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2017**, 161, 68-74	1.7	3
36	B-type natriuretic peptide: powerful predictor of end-stage chronic heart failure in individuals with systolic dysfunction of the systemic right ventricle. *Croatian Medical Journal*, **2016**, 57, 343-50	1.6	3
35	Tricuspid valve surgery in patients with idiopathic hypereosinophilic syndrome. *Journal of Cardiac Surgery*, **2015**, 30, 140-4	1.3	2
34	Changes in circulating stem cells and endothelial progenitor cells over a 12-month period after implantation of a continuous-flow left ventricular assist device. *Archives of Medical Science*, **2020**, 16, 1440-1443	2.9	2
33	Donor and recipient risk factor analysis of inferior postheart transplantation outcome in the era of durable mechanical assist devices. *Clinical Transplantation*, **2018**, 32, e13390	3.8	2
32	Mechanical cerebral thrombectomy in a BiVAD patient awaiting cardiac transplantation. *Journal of Cardiac Surgery*, **2017**, 32, 843-844	1.3	2
31	Comprehensive management of severe intestinal bleeding in a patient supported for 94 days by the biventricular Levitronix CentriMag system. *Heart Surgery Forum*, **2010**, 13, E409-10	0.7	2
30	Autoregulation of Pulsatile Bioprosthetic Total Artificial Heart is Involved in Endothelial Homeostasis Preservation. *Thrombosis and Haemostasis*, **2020**, 120, 1313-1322	7	2
29	First 5-year multicentric clinical trial experience with the HeartMate 3 left ventricular assist system. *Journal of Heart and Lung Transplantation*, **2021**, 40, 247-250	5.8	2
28	The Effect of Artificial Pulsatility on the Peripheral Vasculature in Patients With Continuous-Flow Ventricular Assist Devices. *Canadian Journal of Cardiology*, **2021**, 37, 1578-1585	3.8	2
27	HeartMate 3 left ventricular assist system implantation technique: the devil is in the detail. *Interactive Cardiovascular and Thoracic Surgery*, **2018**, 27, 946-949	1.8	2

26	Minimally invasive removal of a temporary RVAD. *ASAIO Journal*, **2015**, 61, 202-4	3.6	1
25	New modalities of surgical treatment for postinfarction left ventricular free wall rupture: A case report and literature review. *Cor Et Vasa*, **2015**, 57, e359-e361	0.3	1
24	Right ventricular outflow tract obstruction caused by ectopic thyroid gland. *Annals of Thoracic Surgery*, **2014**, 98, 345	2.7	1
23	Giant right coronary artery aneurysm presenting as cardiac tamponade. *European Journal of Cardio-thoracic Surgery*, **2011**, 40, 1267	3	1
22	The impact of Angiotensin II Type 1 Receptor antibodies on morbidity and mortality in Heart Mate II supported recipients. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2016**, 160, 518-523	1.7	1
21	Development of myocardial tolerance to oxygen deficiency - experimental aspects. *Cor Et Vasa*, **2009**, 51, 691-697	0.3	1
20	The EUROMACS Registry of patients who receive mechanical circulatory support: Role and perspectives. *Cirugia Cardiovascular*, **2016**, 23, 22-25	0.1	1
19	Isovolumic loading of the failing heart by intraventricular placement of a spring expander attenuates cardiac atrophy after heterotopic heart transplantation. *Bioscience Reports*, **2018**, 38,	4.1	1
18	Increased pulsatility index is associated with adverse outcomes in left ventricular assist device recipients. *ESC Heart Failure*, **2021**, 8, 4288-4295	3.7	1
17	Trends and Outcomes of Left Ventricular Assist Device Therapy: JACC Focus Seminar.. *Journal of the American College of Cardiology*, **2022**, 79, 1092-1107	15.1	1
16	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.. *Artificial Organs*, **2021**,	2.6	1
15	Comparative analysis of LVAD patients in regard of ischaemic or idiopathic cardiomyopathy: A propensity-score analysis of EUROMACS data.. *International Journal of Artificial Organs*, **2022**, 3913988221075045	1.9	0
14	Bioprosthetic Total Artificial Heart in Autoregulated Mode Is Biologically Hemocompatible: Insights for Multimers of von Willebrand Factor.. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2022**, ATVBAHA121316833	9.4	0
13	Elevated Circulating Stem Cells Level is Observed One Month After Implantation of Carmat Bioprosthetic Total Artificial Heart. *Stem Cell Reviews and Reports*, **2021**, 17, 2332-2337	7.3	0
12	First Clinical Experience With the Pressure Sensor-Based Autoregulation of Blood Flow in an Artificial Heart. *ASAIO Journal*, **2021**, 67, 1100-1108	3.6	0
11	Association of thrombophilia prospective detection with hemocompatibility related outcomes in left ventricular assist device patients. *International Journal of Artificial Organs*, **2021**, 44, 838-845	1.9	0
10	The effect of long-term left ventricular assist device support on flow-sensitive plasma microRNA levels. *International Journal of Cardiology*, **2021**, 339, 138-143	3.2	0
9	Low-intensity anti-coagulation using Vitamin K antagonists and Factor X activity: A validation analysis of the MAGENTUM-1 study. *Journal of Heart and Lung Transplantation*, **2019**, 38, 668-669	5.8	

8	Successful treatment of fulminant myocarditis with biventricular mechanical circulatory support: A two-year follow-up. *Cor Et Vasa*, **2014**, 56, e436-e440	0.3
7	Aortic dissections following heart transplantations. *Journal of Cardiac Surgery*, **2012**, 27, 125-7	1.3
6	eComment: Hemodynamic monitoring with LiDCOplus system in the patients supported by isolated right ventricular assist device. *Interactive Cardiovascular and Thoracic Surgery*, **2011**, 13, 57	1.8
5	Effect of pulsatility on markers of vascular damage in patients with implanted continuous flow mechanical circulatory support. *Vnitrni Lekarstvi*, **2018**, 64, 66-71	0.3
4	The EUROMACS Registry of Patients Who Receive Mechanical Circulatory Support: Role and Perspectives **2017**, 607-611	
3	Acquired von Willebrand Syndrome **2017**, 539-544	
2	Sex differences in the perioperative and postoperative courses of treatment in adult patients undergoing stenotic aortic valve replacement. *Cor Et Vasa*, **2009**, 51, 404-409	0.3
1	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". *Journal of Heart and Lung Transplantation*, **2018**, 37, 1279-1280	5.8