

# Ivan Netuka

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

2,801  
citations

185998

28  
h-index

189595

50  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2757  
citing authors

#	ARTICLE	IF	CITATIONS
1	2019 EACTS Expert Consensus on long-term mechanical circulatory support. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 230-270.	0.6	255
2	Fully Magnetically Levitated Left Ventricular Assist System for Treating Advanced HF. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2579-2589.	1.2	208
3	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.	0.3	143
4	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.	0.3	128
5	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, 860-867.	0.3	121
6	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.	0.6	121
7	Gender Differences in Cardiac Ischemic Injury and Protection—Experimental Aspects. <i>Experimental Biology and Medicine</i> , 2009, 234, 1011-1019.	1.1	118
8	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.	0.4	92
9	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.	0.3	87
10	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.	2.9	78
11	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first annual report. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 770-777.	0.6	77
12	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.	0.3	71
13	Inhibition of soluble epoxide hydrolase by <i>cis</i> -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, 513-527.	1.8	63
14	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.	0.7	63
15	Rivaroxaban - Metabolism, Pharmacologic Properties and Drug Interactions. <i>Current Drug Metabolism</i> , 2017, 18, 636-642.	0.7	61
16	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.	0.3	58
17	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.	2.9	47
18	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.	0.4	41

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19	Trends and Outcomes of Left Ventricular Assist Device Therapy. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1092-1107.	1.2	41
20	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, 548-554.	0.6	39
21	Outcomes of patients after successful left ventricular assist device explantation: a EUROMACS study. <i>ESC Heart Failure</i> , 2020, 7, 1085-1094.	1.4	39
22	Less invasive HeartMate 3 left ventricular assist device implantation. <i>Journal of Thoracic Disease</i> , 2018, 10, S1692-S1695.	0.6	36
23	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.	0.3	36
24	Knockout of Angiotensin 1 $\alpha$ 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, 476-488.	0.9	35
25	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, 1177-1181.	0.3	35
26	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.	0.6	34
27	Similar renoprotection after renin $\alpha$ angiotensin $\alpha$ dependent and $\alpha$ independent antihypertensive therapy in 5/6 $\alpha$ nephrectomized Ren $\alpha$ 2 transgenic rats: are there blood pressure $\alpha$ independent effects?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 1159-1169.	0.9	29
28	Alloimmunosenitization in Left Ventricular Assist Device Recipients and Impact on Posttransplantation Outcome. <i>ASAIO Journal</i> , 2012, 58, 554-561.	0.9	29
29	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.	0.6	29
30	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, 714-719.	0.9	28
31	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, 292-297.	0.5	28
32	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.	0.6	27
33	Clinical impact and $\alpha$ natural $\alpha$ ™ 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.	0.6	23
34	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.	0.4	22
35	How does successful bridging with ventricular assist device affect cardiac transplantation outcome?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011, 13, 405-409.	0.5	22
36	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.	0.8	22

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37	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, 1-7.	1.4	20
38	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, 178-180.	0.9	19
39	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.	0.3	19
40	The European Registry for Patients with Mechanical Circulatory Support of the European Association for Cardio-Thoracic Surgery: third report. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	0.6	18
41	Non-Fontan Adult Congenital Heart Disease Transplantation Survival Is Equivalent to Acquired Heart Disease Transplantation Survival. <i>Annals of Thoracic Surgery</i> , 2016, 101, 1768-1773.	0.7	17
42	Initial bridge to transplant experience with a bioprosthetic autoregulated artificial heart. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1491-1493.	0.3	17
43	Fungal Infections Associated with Long-Term Mechanical Circulatory Support-Diagnosis and Management. <i>Journal of Cardiac Surgery</i> , 2014, 29, 95-100.	0.3	16
44	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.	0.4	16
45	Aortic and Mitral Valve Replacement Due to Extensive Inflammatory Immunoglobulin G4-Related Pseudotumor. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1439-1441.	0.7	15
46	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.	0.6	15
47	In Vitro Evaluation of Inflow Cannula Fixation Techniques in Left Ventricular Assist Device Surgery. <i>Artificial Organs</i> , 2017, 41, 272-275.	1.0	14
48	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.	0.7	14
49	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, 42, 470-480.	1.1	13
50	Case report: atypical fungal obstruction of the left ventricular assist device outflow cannula. <i>Journal of Cardiothoracic Surgery</i> , 2014, 9, 40.	0.4	11
51	Biphasic response in number of stem cells and endothelial progenitor cells after left ventricular assist device implantation: A 6 month follow-up. <i>International Journal of Cardiology</i> , 2016, 218, 98-103.	0.8	11
52	First Clinical Experience With the Pressure Sensor-Based Autoregulation of Blood Flow in an Artificial Heart. <i>ASAIO Journal</i> , 2021, 67, 1100-1108.	0.9	11
53	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.	0.3	10
54	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 Palacký&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2015, 159, 681-687.	0.2	9

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55	Initial experience with the HeartMate percutaneous heart pump in circulatory failure. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1016-1019.	0.3	8
56	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.	0.7	8
57	Autoregulation of Pulsatile Bioprosthetic Total Artificial Heart is Involved in Endothelial Homeostasis Preservation. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1313-1322.	1.8	7
58	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&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2017, 161, 68-74.	0.2	7
59	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, 238-242.	0.5	6
60	What is the optimal mode of mechanical support in transplanted patients with acute graft failure?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 517-519.	0.5	6
61	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.	0.5	6
62	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, .	1.1	6
63	Impact of donor variables on heart transplantation outcomes in mechanically bridged versus standard recipientsâ€. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 28, 455-464.	0.5	6
64	Impact of concomitant cardiac valvular surgery during implantation of continuousâ€flow left ventricular assist devices: A European registry for patients with mechanical circulatory support (EUROMACS) analysis. <i>Artificial Organs</i> , 2022, 46, 813-826.	1.0	6
65	Is Severe Cardiac Dysfunction a Contraindication for Complex Combined Oncotherapy of Hodgkinâ€™s Lymphoma? Not Any More. <i>ASAIJ Journal</i> , 2013, 59, 320-321.	0.9	5
66	Post-heart transplantation outcome of HeartMate II-bridged recipients requiring unplanned concomitant temporary right ventricular mechanical supportâ€. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 372-378.	0.5	5
67	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.	0.8	5
68	Different Expression of Mitochondrial and Endoplasmic Reticulum Stress Genes in Epicardial Adipose Tissue Depends on Coronary Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4538.	1.8	5
69	Systemic right ventricle supported by implantable axial-flow assist device. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 403-403.	0.6	4
70	Novel Treatment of an Infiltrating Cardiac Fibrosarcoma. <i>Texas Heart Institute Journal</i> , 2014, 41, 248-249.	0.1	4
71	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, 343-350.	0.2	4
72	Friedreichâ€™s ataxia and advanced heart failure: An ethical conundrum in decision-making. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1144-1145.	0.3	4

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73	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.	0.4	4
74	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.	0.8	4
75	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.	0.8	4
76	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, 523-526.	0.3	3
77	Giant right coronary artery aneurysm presenting as cardiac tamponade. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 1267.	0.6	3
78	Mechanical cerebral thrombectomy in a BiVAD patient awaiting cardiac transplantation. <i>Journal of Cardiac Surgery</i> , 2017, 32, 843-844.	0.3	3
79	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-E410.	0.2	3
80	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.	1.7	3
81	Tricuspid Valve Surgery in Patients With Idiopathic Hypereosinophilic Syndrome. <i>Journal of Cardiac Surgery</i> , 2015, 30, 140-144.	0.3	2
82	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.	0.1	2
83	Interplay of pump design elements and bleeding predilection—Mechanisms for a forward momentum. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 817-819.	0.3	2
84	An Integrative Study of Aortic mRNA/miRNA Longitudinal Changes in Long-Term LVAD Support. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7414.	1.8	2
85	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, , 039139882210750.	0.7	2
86	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, 57-57.	0.5	1
87	Aortic Dissections Following Heart Transplantations. <i>Journal of Cardiac Surgery</i> , 2012, 27, 125-127.	0.3	1
88	Right Ventricular Outflow Tract Obstruction Caused by Ectopic Thyroid Gland. <i>Annals of Thoracic Surgery</i> , 2014, 98, 345.	0.7	1
89	Minimally Invasive Removal of a Temporary RVAD. <i>ASAIO Journal</i> , 2015, 61, 202-204.	0.9	1
90	The EUROMACS Registry of patients who receive mechanical circulatory support: Role and perspectives. <i>Cirurgia Cardiovascular</i> , 2016, 23, 22-25.	0.1	1

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91	Advancing ventricular assist device technology: One size fits all, but age still matters. Journal of Heart and Lung Transplantation, 2018, 37, 133-135.	0.3	1
92	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.	0.3	1
93	Increased pulsatility index is associated with adverse outcomes in left ventricular assist device recipients. ESC Heart Failure, 2021, 8, 4288-4295.	1.4	1
94	Association of thrombophilia prospective detection with hemocompatibility related outcomes in left ventricular assist device patients. International Journal of Artificial Organs, 2021, 44, 039139882110416.	0.7	1
95	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 Palacky&#x0301;, Olomouc, Czechoslovakia, 2016, 160, 518-523.	0.2	1
96	Development of myocardial tolerance to oxygen deficiency - experimental aspects. Cor Et Vasa, 2009, 51, 691-697.	0.1	1
97	Successful treatment of fulminant myocarditis with biventricular mechanical circulatory support: A two-year follow-up. Cor Et Vasa, 2014, 56, e436-e440.	0.1	0
98	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.	0.3	0
99	Less-invasive tools and technique for fully magnetically levitated centrifugal pump implantation. Annals of Cardiothoracic Surgery, 2021, 10, 289-291.	0.6	0
100	Progressive elimination of adverse events: the key to success for left ventricular assist devices. European Journal of Heart Failure, 2021, 23, 1401-1403.	2.9	0
101	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.	0.1	0
102	The EUROMACS Registry of Patients Who Receive Mechanical Circulatory Support: Role and Perspectives. , 2017, , 607-611.		0
103	Acquired von Willebrand Syndrome. , 2017, , 539-544.		0
104	Effect of pulsatility on markers of vascular damage in patients with implanted continuous flow mechanical circulatory support. Vnitřní Lékařství, 2018, 64, 66-71.	0.1	0