Johan Nilsson

List of Publications by Year
in descending order

133 papers	6,094 citations	94433 37 h-index	76900 74 g-index
138 all docs	138 docs citations	138 times ranked	8257 citing authors

#	Article	IF	Citations
1	EuroSCORE II. European Journal of Cardio-thoracic Surgery, 2012, 41, 734-745.	1.4	2,159
2	Comparison of 19 pre-operative risk stratification models in open-heart surgery. European Heart Journal, 2006, 27, 867-874.	2.2	228
3	Clinical Outcome After Poststernotomy Mediastinitis: Vacuum-Assisted Closure Versus Conventional Treatment. Annals of Thoracic Surgery, 2005, 79, 2049-2055.	1.3	190
4	Insight opinion to surgically treated metastatic bone disease: Scandinavian Sarcoma Group Skeletal Metastasis Registry report of 1195 operated skeletal metastasis. Surgical Oncology, 2013, 22, 132-138.	1.6	163
5	Influenza Vaccination After Myocardial Infarction: A Randomized, Double-Blind, Placebo-Controlled, Multicenter Trial. Circulation, 2021, 144, 1476-1484.	1.6	121
6	Prognostic models for outcome following liver resection for colorectal cancer metastases: A systematic review. European Journal of Surgical Oncology, 2012, 38, 16-24.	1.0	120
7	Stent Thrombosis in New-Generation Drug-Eluting Stents in Patients With STEMI Undergoing Primary PCI. Journal of the American College of Cardiology, 2014, 64, 16-24.	2.8	110
8	Early mortality in coronary bypass surgery: the EuroSCORE versus The Society of Thoracic Surgeons risk algorithm. Annals of Thoracic Surgery, 2004, 77, 1235-1239.	1.3	102
9	EuroSCORE Predicts Intensive Care Unit Stay and Costs of Open Heart Surgery. Annals of Thoracic Surgery, 2004, 78, 1528-1534.	1.3	100
10	The Impact of Vacuum-Assisted Closure on Long-Term Survival After Post-Sternotomy Mediastinitis. Annals of Thoracic Surgery, 2005, 80, 1270-1275.	1.3	99
11	Temporal Trends in the Incidence and Prognosis of Aortic Stenosis. Circulation, 2015, 131, 988-994.	1.6	94
12	Risk factor identification and mortality prediction in cardiac surgery using artificial neural networks. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 12-19.e1.	0.8	91
13	Gastrointestinal complications after cardiac surgery. British Journal of Surgery, 2005, 92, 326-333.	0.3	81
14	Intravascular Ultrasound Guidance Is Associated With Better Outcome in Patients Undergoing Unprotected Left Main Coronary Artery Stenting Compared With Angiography Guidance Alone. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	78
15	Donorâ€“recipient size matching and mortality in heart transplantation: Influence of body mass index and gender. Journal of Heart and Lung Transplantation, 2017, 36, 940-947.	0.6	65
16	Validity of the Swedish Cardiac Surgery Registry. Interactive Cardiovascular and Thoracic Surgery, 2018, 27, 67-74.	1.1	65
17	Prediction of Severe Acute Pancreatitis at Admission to Hospital Using Artificial Neural Networks. Pancreatology, 2011, 11, 328-335.	1.1	61
18	A nonrandomized open-label phase 2 trial of nonischemic heart preservation for human heart transplantation. Nature Communications, 2020, 11, 2976.	12.8	61

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19	The International Heart Transplant Survival Algorithm (IHTSA): A New Model to Improve Organ Sharing and Survival. PLoS ONE, 2015, 10, e0118644.	2.5	61
20	The Harrington reconstruction for advanced periacetabular metastatic destruction: Good outcome in 32 patients. Acta Orthopaedica, 2000, 71, 591-596.	1.4	60
21	Percutaneous fine-needle aspiration cytology in the diagnosis and management of liver tumours. British Journal of Surgery, 2002, 89, 757-762.	0.3	60
22	Artificial neural networks in pancreatic disease. British Journal of Surgery, 2008, 95, 817-826.	0.3	60
23	Induction with anti-thymocyte globulin in heart transplantation is associated with better long-term survival compared with basiliximab. Journal of Heart and Lung Transplantation, 2015, 34, 1283-1291.	0.6	55
24	Elevated Glucose Levels Promote Contractile and Cytoskeletal Gene Expression in Vascular Smooth Muscle via Rho/Protein Kinase C and Actin Polymerization. Journal of Biological Chemistry, 2016, 291, 3552-3568.	3.4	54
25	Predictors of incidental gallbladder cancer in patients undergoing cholecystectomy for benign gallbladder disease: Results from a population-based gallstone surgery registry. Surgery, 2017, 162, 256-263.	1.9	51
26	Improving prediction of heart transplantation outcome using deep learning techniques. Scientific Reports, 2018, 8, 3613.	3.3	49
27	Protein identification platform utilizing micro dispensing technology interfaced to matrix-assisted laser desorption ionization time-of-flight mass spectrometry. Journal of Chromatography A, 2000, 886, 99-110.	3.7	47
28	Negative-pressure wound therapy following cardiac surgery: bleeding complications and 30-day mortality in 176 patients with deep sternal wound infection. Interactive Cardiovascular and Thoracic Surgery, 2011, 12, 117-120.	1.1	43
29	Intestinal ischemia after cardiac surgery: analysis of a large registry. Journal of Cardiothoracic Surgery, 2013, 8, 156.	1.1	43
30	Acute pancreatitis â€“ costs for healthcare and loss of production. Scandinavian Journal of Gastroenterology, 2013, 48, 1459-1465.	1.5	43
31	Acute cellular rejection the first year after heart transplantation and its impact on survival: a single-centre retrospective study at SkÃ¥ne University Hospital in Lund 1988-2010. Transplant International, 2014, 27, 482-492.	1.6	41
32	Identification of novel candidate protein biomarkers for the post-polio syndrome â€” Implications for diagnosis, neurodegeneration and neuroinflammation. Journal of Proteomics, 2009, 71, 670-681.	2.4	40
33	Regulation of Smooth Muscle Dystrophin and Synaptopodin 2 Expression by Actin Polymerization and Vascular Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1489-1497.	2.4	40
34	The cost of vacuum-assisted closure therapy in treatment of deep sternal wound infection. Scandinavian Cardiovascular Journal, 2008, 42, 85-89.	1.2	39
35	Artificial neural networks â€“ A method for prediction of survival following liver resection for colorectal cancer metastases. European Journal of Surgical Oncology, 2013, 39, 648-654.	1.0	39
36	Design and rationale for the I nfluenza vaccination A fter M yocardial I nfarction (IAMI) trial. A registry-based randomized clinical trial. American Heart Journal, 2017, 189, 94-102.	2.7	39

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37	Particle Manipulation Methods in Droplet Microfluidics. Analytical Chemistry, 2018, 90, 1434-1443.	6.5	39
38	Artificial neural networks predict survival from pancreatic cancer after radical surgery. American Journal of Surgery, 2013, 205, 1-7.	1.8	37
39	Trans-catheter aortic valve implantation â€“ early recovery of left and preservation of right ventricular function. Interactive Cardiovascular and Thoracic Surgery, 2011, 12, 35-39.	1.1	35
40	Screening for osteoporosis reduced new fracture incidence by almost half. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 83, 661-665.	3.3	35
41	The 2011 outcome from the Swedish Health Care Registry on Heart Disease (SWEDEHEART). Scandinavian Cardiovascular Journal, 2013, 47, 1-10.	1.2	35
42	Normal Reference Ranges for Transthoracic Echocardiography Following Heart Transplantation. Journal of the American Society of Echocardiography, 2018, 31, 349-360.	2.8	35
43	Essential tactics of tissue preparation and matrix nano-spotting for successful compound imaging mass spectrometry. Journal of Proteomics, 2010, 73, 1270-1278.	2.4	34
44	Autonomous protein sample processing on-chip using solid-phase microextraction, capillary force pumping, and microdispensing. Electrophoresis, 2004, 25, 3778-3787.	2.4	31
45	Human leukocyte antigen matching in heart transplantation: systematic review and meta-analysis. Transplant International, 2014, 27, 793-804.	1.6	31
46	Gastrointestinal complications after cardiac surgery â€“ improved risk stratification using a new scoring model. Interactive Cardiovascular and Thoracic Surgery, 2010, 10, 366-370.	1.1	27
47	Circulating blood diminishes cement penetration into cancellous bone:In vivo studies of 21 arthrotic femoral heads. Acta Orthopaedica, 1995, 66, 234-238.	1.4	26
48	B-Type Natriuretic Peptide as a Predictor of Postoperative Heart Failure After Aortic Valve Replacement. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 161-165.	1.3	25
49	SWEDEHEART Annual Report 2012. Scandinavian Cardiovascular Journal, 2014, 48, 1-1.	1.2	25
50	Comparison of Basiliximab and Antiâ€Thymocyte Globulin as Induction Therapy in Pediatric Heart Transplantation: A Survival Analysis. Journal of the American Heart Association, 2016, 5, .	3.7	25
51	Isolation of a Low Number of Sperm Cells from Female DNA in a Glassâ€“PDMSâ€“Glass Microchip via Bead-Assisted Acoustic Differential Extraction. Analytical Chemistry, 2019, 91, 2186-2191.	6.5	24
52	Machine Perfusion for Human Heart Preservation: A Systematic Review. Transplant International, 2022, 35, 10258.	1.6	24
53	Influence of Prosthesisâ€“Patient Mismatch on Diastolic Heart Failure After Aortic Valve Replacement. Annals of Thoracic Surgery, 2008, 85, 1310-1317.	1.3	21
54	Trends in the use of mechanical circulatory support as a bridge to heart transplantation across different age groups. International Journal of Cardiology, 2017, 231, 225-227.	1.7	21

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55	Stent thrombosis rates the first year and beyond with new- and old-generation drug-eluting stents compared to bare metal stents. Clinical Research in Cardiology, 2018, 107, 816-823.	3.3	21
56	Survey of the management of acute pancreatitis in surgical departments in Sweden. Scandinavian Journal of Gastroenterology, 2012, 47, 1064-1070.	1.5	20
57	Change in mitral regurgitation severity impacts survival after transcatheter aortic valve replacement. International Journal of Cardiology, 2019, 294, 32-36.	1.7	20
58	The influence of ischemia and reperfusion time on outcome in heart transplantation. Clinical Transplantation, 2020, 34, e13840.	1.6	20
59	Time-dependent prognostic effects of recipient and donor age in adult heart transplantation. Journal of Heart and Lung Transplantation, 2019, 38, 174-183.	0.6	19
60	Outcomes after ABO-incompatible heart transplantation in adults: A registry study. Journal of Heart and Lung Transplantation, 2015, 34, 892-898.	0.6	18
61	MicroRNAâ€dependent regulation of KLF4 by glucose in vascular smooth muscle. Journal of Cellular Physiology, 2018, 233, 7195-7205.	4.1	17
62	Intra-droplet acoustic particle focusing: simulations and experimental observations. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	17
63	Human Leukocyte Antigenâ€Based Risk Stratification in Heart Transplant Recipientsâ€”Implications for Targeted Surveillance. Journal of the American Heart Association, 2019, 8, e011124.	3.7	17
64	Randomized trial of a left ventricular assist device as destination therapy versus guidelineâ€directed medical therapy in patients with advanced heart failure. Rationale and design of the SWEdish evaluation of left Ventricular Assist Device (SweVAD) trial. European Journal of Heart Failure, 2020, 22, 739-750.	7.1	17
65	Comparison of Long-term Performance of Bioprosthetic Aortic Valves in Sweden From 2003 to 2018. JAMA Network Open, 2022, 5, e220962.	5.9	17
66	A Simple Score to Assess Mortality Risk in Patients Waiting for Coronary Artery Bypass Grafting. Annals of Thoracic Surgery, 2006, 81, 577-582.	1.3	16
67	Changing management of gallstone-related disease in pregnancy â€“ a retrospective cohort analysis. Scandinavian Journal of Gastroenterology, 2017, 52, 1-6.	1.5	16
68	Impact of body constitution on complications following pancreaticoduodenectomy: A retrospective cohort study. International Journal of Surgery, 2017, 48, 116-121.	2.7	16
69	Impact of Thrombus Aspiration on Mortality, Stent Thrombosis, and Stroke in Patients With STâ€Segmentâ€“Elevation Myocardial Infarction: A Report From the Swedish Coronary Angiography and Angioplasty Registry. Journal of the American Heart Association, 2018, 7, .	3.7	16
70	Vacuum-assisted closure therapy for deep sternal wound infections: the impact of learning curve on survival and predictors for late mortality. International Wound Journal, 2008, 5, 216-223.	2.9	15
71	Surgical Stress Response After Colorectal Resection. International Surgery, 2013, 98, 292-299.	0.1	15
72	Experiences of and Coping With Severe Aortic Stenosis Among Patients Waiting for Transcatheter Aortic Valve Implantation. Journal of Cardiovascular Nursing, 2016, 31, 255-261.	1.1	15

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73	Outcome and evaluation of prognostic factors after pancreaticoduodenectomy for distal cholangiocarcinoma. Annals of Gastroenterology, 2017, 30, 571-577.	0.6	15
74	Induction immunosuppression strategies and longâ€term outcomes after heart transplantation. Clinical Transplantation, 2020, 34, e13871.	1.6	15
75	Prasugrel versus ticagrelor in patients with myocardial infarction undergoing percutaneous coronary intervention. Heart, 2021, 107, 1145-1151.	2.9	15
76	Chronic kidney disease after heart transplantation: a single-centre retrospective study at SkÃ¥ne University Hospital in Lund 1988-2010. Transplant International, 2016, 29, 529-539.	1.6	14
77	Regional differences in coronary revascularization procedures and outcomes: a nationwide 11-year observational study. European Heart Journal Quality of Care & Clinical Outcomes, 2017, 3, 243-248.	4.0	13
78	An acoustofluidic platform for non-contact trapping of cell-laden hydrogel droplets compatible with optical microscopy. Biomicrofluidics, 2019, 13, 044101.	2.4	13
79	Native aortic versus mitral valve infective endocarditis: a nationwide registry study. Open Heart, 2019, 6, e000926.	2.3	13
80	A risk score model to predict incidental gallbladder cancer in patients scheduled for cholecystectomy. American Journal of Surgery, 2020, 220, 741-744.	1.8	13
81	Porcine vs Bovine Bioprosthetic Aortic Valves: Long-Term Clinical Results. Annals of Thoracic Surgery, 2021, 111, 529-535.	1.3	13
82	Heart transplantation with ABO-identical versus ABO-compatible cardiac grafts: Influence on long-term survival. Scandinavian Cardiovascular Journal, 2010, 44, 373-379.	1.2	12
83	Patientsâ€™ self-reported function, symptoms and health-related quality of life before and 6 months after transcatheter aortic valve implantation and surgical aortic valve replacement. European Journal of Cardiovascular Nursing, 2017, 16, 213-221.	0.9	12
84	Low MUC4 expression is associated with survival benefit in patients with resectable pancreatic cancer receiving adjuvant gemcitabine. Scandinavian Journal of Gastroenterology, 2017, 52, 595-600.	1.5	12
85	The influence of patient-prosthesis mismatch on in-hospital complications and early mortality after aortic valve replacement. Journal of Heart Valve Disease, 2007, 16, 475-82.	0.5	12
86	Postoperative Increase in B-Type Natriuretic Peptide Levels Predicts Adverse Outcome After Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2011, 25, 469-475.	1.3	11
87	Patientsâ€™ Decision Making About Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis. Journal of Cardiovascular Nursing, 2016, 31, 523-528.	1.1	11
88	Lung transplant after 6 months on ECMO support for SARS-CoV-2-induced ARDS complicated by severe antibody-mediated rejection. BMJ Open Respiratory Research, 2021, 8, e001036.	3.0	11
89	Different cytogenetic patterns in skeletal breast cancer metastases. , 1996, 16, 72-74.		10
90	A randomized study of coronary artery bypass surgery performed with the Resting HeartÂ System utilizing a low vs a standard dosage of heparin. Interactive Cardiovascular and Thoracic Surgery, 2012, 15, 834-839.	1.1	10

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91	Methods for isolation and transcriptional profiling of individual cells from the human heart. Heliyon, 2020, 6, e05810.	3.2	10
92	Patientsâ€™ experiences of the transcatheter aortic valve implantation trajectory: A grounded theory study. Nursing Open, 2018, 5, 149-157.	2.4	9
93	Influence of prosthesisâ€“patient mismatch on left ventricular remodelling in severe aortic insufficiency. European Journal of Cardio-thoracic Surgery, 2010, 37, 133-138.	1.4	8
94	Predicting the outcome for patients in a heart transplantation queue using deep learning. , 2017, 2017, 74-77.		8
95	Major intraoperative bleeding during pancreatoduodenectomy - preoperative biliary drainage is the only modifiable risk factor. Hpb, 2019, 21, 268-274.	0.3	8
96	Expression of fibroblast activation protein and the clinicopathological relevance in distal cholangiocarcinoma. Scandinavian Journal of Gastroenterology, 2020, 55, 82-89.	1.5	8
97	Outcome of patients on heart transplant list treated with a continuous-flow left ventricular assist device: Insights from the TRans-Atlantic registry on VAd and TrAnsplant (TRAViATA). International Journal of Cardiology, 2021, 324, 122-130.	1.7	8
98	Binary acoustic trapping in a glass capillary. Journal Physics D: Applied Physics, 2021, 54, 355401.	2.8	8
99	ABO-Identical Blood Group Matching Has No Survival Benefit for AB Heart Transplant Recipients. Annals of Thoracic Surgery, 2015, 99, 762-768.	1.3	7
100	Selection of an optimal feature set to predict heart transplantation outcomes. , 2016, 2016, 3290-3293.		7
101	Engaging patients and caregivers in establishing research priorities for aortic dissection. SAGE Open Medicine, 2019, 7, 205031211882263.	1.8	7
102	Audomni: Super-Scale Sensory Supplementation to Increase the Mobility of Blind and Low-Vision Individualsâ€”A Pilot Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1187-1197.	4.9	7
103	Haemodynamic effects of â^'75â€ƒmmHg negative pressure therapy in a porcine sternotomy wound model. International Wound Journal, 2009, 6, 48-54.	2.9	6
104	Analysis of the Influence of HLA-A Matching Relative to HLA-B and -DR Matching on Heart Transplant Outcomes. Transplantation Direct, 2015, 1, e38.	1.6	6
105	Desire of Use: A Hierarchical Decomposition of Activities and its Application on Mobility of by Blind and Low-Vision Individuals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1146-1156.	4.9	6
106	Validation of a modified EuroSCORE risk stratification model for cardiac surgery: the Swedish experience. European Journal of Cardio-thoracic Surgery, 2011, 40, 185-191.	1.4	5
107	Continuous-flow LVADs in the Nordic countries: complications and mortality and its predictors. Scandinavian Cardiovascular Journal, 2019, 53, 14-20.	1.2	5
108	Causes, pattern, predictors, and prognostic implications of new hospitalizations after transcatheter aortic valve implantation: a long-term nationwide observational study. European Heart Journal Quality of Care & Clinical Outcomes, 2022, 8, 150-160.	4.0	5

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109	Effects of Bilberry and Oat intake on lipids, inflammation and exercise capacity after Acute Myocardial Infarction (BIOAMI): study protocol for a randomized, double-blind, placebo-controlled trial. Trials, 2021, 22, 338.	1.6	5
110	The Dynamics of Heparin-Binding Protein in Cardiothoracic Surgeryâ€"A Pilot Study. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 2640-2650.	1.3	5
111	Pretreatment With P2Y12 Inhibitors in Patients With Chronic Coronary Syndrome Undergoing Percutaneous Coronary Intervention: A Report From the Swedish Coronary Angiography and Angioplasty Registry. Circulation: Cardiovascular Interventions, 2021, 14, e010849.	3.9	5
112	CODUSA - Customize Optimal Donor Using Simulated Annealing In Heart Transplantation. Scientific Reports, 2013, 3, 1922.	3.3	4
113	Simulating the Outcome of Heart Allocation Policies Using Deep Neural Networks. , 2018, 2018, 6141-6144.		4
114	A case-controlled evaluation of the Medtronic Resting Heart System compared with conventional cardiopulmonary bypass in patients undergoing isolated coronary artery bypass surgery. Interactive Cardiovascular and Thoracic Surgery, 2012, 14, 599-604.	1.1	3
115	Immunological Serum Protein Profiles for Noninvasive Detection of Acute Cellular Rejection After Heart Transplantation. Journal of the American College of Cardiology, 2017, 70, 2946-2947.	2.8	3
116	Validation of cause of death classification after heart transplantation and causeâ€specific life expectancy compared to the general population. Clinical Transplantation, 2022, 36, .	1.6	3
117	Whole-genome sequencing based on formalin-fixed paraffin-embedded endomyocardial biopsies for genetic studies on outcomes after heart transplantation. PLoS ONE, 2019, 14, e0217747.	2.5	2
118	Expression of peritumoral SPARC during distal cholangiocarcinoma progression and correlation with outcome. Scandinavian Journal of Gastroenterology, 2020, 55, 725-731.	1.5	2
119	Cholecystectomy After Previous Bariatric Surgery with Special Focus on Pregnant Patientsâ€"Results from Two Large Nationwide Registries. Obesity Surgery, 2020, 30, 1874-1880.	2.1	2
120	Risk factors and outcomes for patients with pancreatic cancer undergoing surgical exploration without resection due to metastatic disease: A national cohort study. Hepatobiliary and Pancreatic Diseases International, 2022, 21, 279-284.	1.3	2
121	Prediction of Primary Graft Dysfunction After Heart Transplantation. Journal of Heart and Lung Transplantation, 2015, 34, S35.	0.6	1
122	Impact of gender on echocardiographic characteristics in heart transplant recipients. Clinical Physiology and Functional Imaging, 2019, 39, 246-254.	1.2	1
123	Surgical exploration without resection in pancreatic and periampullary tumors: report from a national database. Scandinavian Journal of Surgery, 2020, 110, 145749692091366.	2.6	1
124	Impact of valve fenestrations and structural changes in homografts on the long-term outcome in the recipient. Cell and Tissue Banking, 2021, 22, 399-408.	1.1	1
125	Does microbiological contamination of homografts prior to decontamination affect the outcome after right ventricular outflow tract reconstruction?. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 605-613.	1.1	1
126	Myocardial injury biomarkers at point of care for early identification of primary graft dysfunction after heart transplantation. Clinical Transplantation, 2021, , e14526.	1.6	1

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127	Response to Letter Regarding Article â€œTemporal Trends in the Incidence and Prognosis of Aortic Stenosis: A Nationwide Study of the Swedish Populationâ€. Circulation, 2015, 132, e240.	1.6	0
128	Reply: Effect of racial and ethnic differences in heart transplantation with ABO-incompatibility. Journal of Heart and Lung Transplantation, 2015, 34, 868.	0.6	0
129	Bone mineral density in pediatric heart transplanted patients: A retrospective singleâ€center study at SkÃ¥ne University Hospital in Lund 1988â€“2016. Pediatric Transplantation, 2021, , e14127.	1.0	0
130	Impact of cardiopulmonary bypass and surgical complexity on plasma soluble urokinase-type plasminogen activator receptor levels after cardiac surgery. Scandinavian Journal of Clinical and Laboratory Investigation, 2021, , 1-7.	1.2	0
131	Next generation of paracetamol-related analgesics. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-2-37.	0.0	0
132	Utilizing Deep Learning and RDF to Predict Heart Transplantation Survival. Lecture Notes in Computer Science, 2020, , 175-190.	1.3	0
133	Cardiac Transplantation and Organ Preservation. , 2022, , 167-181.		0