Scott L Nyberg

List of Publications by Year
in descending order

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143 papers	7,542 citations	50244 46 h-index	54882 84 g-index
147 all docs	147 docs citations	147 times ranked	7368 citing authors

#	Article	IF	Citations
1	Limited Expansion of Human Hepatocytes in FAH/RAG2-Deficient Swine. Tissue Engineering - Part A, 2022, 28, 150-160.	1.6	5
2	Association of Cirrhosis and Other Patient and Procedural Characteristics With Postembolization Syndrome After Bland Hepatic Artery Embolization for Hepatic Malignancy. American Journal of Roentgenology, 2022, 218, 1030-1039.	1.0	3
3	ICU and Hospital Outcomes in Patients with Hepatopulmonary Syndrome Undergoing Liver Transplantation. Lung, 2022, 200, 5.	1.4	5
4	Re-Endothelialization of Decellularized Liver Scaffolds: A Step for Bioengineered Liver Transplantation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 833163.	2.0	9
5	Cell-Mediated Therapies to Facilitate Operational Tolerance in Liver Transplantation. International Journal of Molecular Sciences, 2021, 22, 4016.	1.8	6
6	Clinical Outcomes After Liver Transplantation in Patients With Portopulmonary Hypertension. Transplantation, 2021, 105, 2283-2290.	0.5	24
7	Functional characterization of a bioengineered liver after heterotopic implantation in pigs. Communications Biology, 2021, 4, 1157.	2.0	10
8	Fumarylacetoacetate hydrolase gene as a knockout target for hepatic chimerism and donor liver production. Stem Cell Reports, 2021, 16, 2577-2588.	2.3	3
9	Association of Î± 1 Antitrypsin Phenotype and Development of Advanced Liver Disease and Pulmonary Complications Before and After Liver Transplantation. Transplantation, 2021, 105, 1576-1584.	0.5	4
10	Long-term Outcomes of Sequential Hematopoietic Stem Cell Transplantation and Kidney Transplantation: Single-center Experience. Transplantation, 2021, 105, 1615-1624.	0.5	0
11	Autologous Adipose Tissueâ€"Derived Mesenchymal Stem Cells Introduced by Biliary Stents or Local Immersion in Porcine Bile Duct Anastomoses. Liver Transplantation, 2020, 26, 100-112.	1.3	6
12	Sustained perfusion of revascularized bioengineered livers heterotopically transplanted into immunosuppressed pigs. Nature Biomedical Engineering, 2020, 4, 437-445.	11.6	38
13	ExÂVivo Cell Therapy by Ectopic Hepatocyte Transplantation Treats the Porcine Tyrosinemia Model of Acute Liver Failure. Molecular Therapy - Methods and Clinical Development, 2020, 18, 738-750.	1.8	8
14	Hormonal Contribution to Liver Regeneration. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 315-338.	1.2	17
15	Induced Pluripotent Stem Cells for the Treatment of Liver Diseases: Novel Concepts. Cells Tissues Organs, 2020, , 1-17.	1.3	6
16	Outcomes of Liver Transplantation in Treated Portopulmonary Hypertension Patients With a Mean Pulmonary Arterial Pressure â‰¥35 mmâ€‰Hg. Transplantation Direct, 2020, 6, e630.	0.8	20
17	Randomized Trial of Spheroid Reservoir Bioartificial Liver in Porcine Model of Posthepatectomy Liver Failure. Hepatology, 2019, 69, 329-342.	3.6	56
18	Stem Cell-Related Studies and Stem Cell-Based Therapies in Liver Diseases. Cell Transplantation, 2019, 28, 1116-1122.	1.2	9

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19	Outcomes of laparoscopic and open CAPD catheter placement: A single-center experience. Surgery Open Science, 2019, 1, 20-24.	0.5	3
20	Understanding the marvels behind liver regeneration. Wiley Interdisciplinary Reviews: Developmental Biology, 2019, 8, e340.	5.9	79
21	Cold storage of porcine hepatocyte spheroids for spheroid bioartificial liver. Xenotransplantation, 2019, 26, e12512.	1.6	6
22	Ex Vivo Hepatocyte Reprograming Promotes Homologyâ€Directed DNA Repair to Correct Metabolic Disease in Mice After Transplantation. Hepatology Communications, 2019, 3, 558-573.	2.0	19
23	Autologous Gene and Cell Therapy Provides Safe and Long-Term Curative Therapy in A Large Pig Model of Hereditary Tyrosinemia Type 1. Cell Transplantation, 2019, 28, 79-88.	1.2	18
24	Acute Liver Failure and Bioartificial Liver Support. , 2019, , 1508-1516.		2
25	Lentiviral Vector-mediated Gene Therapy of Hepatocytes Ex Vivo for Autologous Transplantation in Swine. Journal of Visualized Experiments, 2018, , .	0.2	8
26	Novel spheroid reservoir bioartificial liver improves survival of nonhuman primates in a toxin-induced model of acute liver failure. Theranostics, 2018, 8, 5562-5574.	4.6	32
27	Curative Ex Vivo Hepatocyte-Directed Gene Editing in a Mouse Model of Hereditary Tyrosinemia Type 1. Human Gene Therapy, 2018, 29, 1315-1326.	1.4	31
28	Stem Cell Therapies for Liver Diseases. , 2018, , 137-137.		0
29	Hepatocyte spheroids as an alternative to single cells for transplantation after ex vivo gene therapy in mice and pig models. Surgery, 2018, 164, 473-481.	1.0	16
30	Distinguishing between Hepatic Inflammation and Fibrosis with MR Elastography. Radiology, 2017, 284, 694-705.	3.6	117
31	Recent Advances in Decellularization and Recellularization for Tissue-Engineered Liver Grafts. Cells Tissues Organs, 2017, 204, 125-136.	1.3	24
32	Effect of amine content and chemistry on longâ€term, threeâ€dimensional hepatocyte spheroid culture atop aminated elastinâ€like polypeptide coatings. Journal of Biomedical Materials Research - Part A, 2017, 105, 377-388.	2.1	9
33	Liver transplantation after share 35: Impact on pretransplant and posttransplant costs and mortality. Liver Transplantation, 2017, 23, 11-18.	1.3	20
34	Chronic Phenotype Characterization of a Large-Animal Model of Hereditary Tyrosinemia Type 1. American Journal of Pathology, 2017, 187, 33-41.	1.9	16
35	Concise Review: Liver Regenerative Medicine: From Hepatocyte Transplantation to Bioartificial Livers and Bioengineered Grafts. Stem Cells, 2017, 35, 42-50.	1.4	98
36	Support of the failing liver. , 2017, , 1181-1188.e3.		0

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37	Association between kidney intracapsular pressure and ultrasound elastography. Critical Care, 2017, 21, 251.	2.5	14
38	Stem Cell Therapies for Treatment of Liver Disease. Biomedicines, 2016, 4, 2.	1.4	34
39	Extracorporeal Liver Support and Liver Transplant for Patients with Acute-on-Chronic Liver Failure. Seminars in Liver Disease, 2016, 36, 153-160.	1.8	19
40	Transforming growth factor-Î²-Expressing Mesenchymal Stem Cells Induce Local Tolerance in a Rat Liver Transplantation Model of Acute Rejection. Stem Cells, 2016, 34, 2681-2692.	1.4	24
41	Curative ex vivo liver-directed gene therapy in a pig model of hereditary tyrosinemia type 1. Science Translational Medicine, 2016, 8, 349ra99.	5.8	56
42	Cell therapy in chronic liver disease. Current Opinion in Gastroenterology, 2016, 32, 1.	1.0	35
43	Decreased chronic cellular and antibody-mediated injury in the kidney following simultaneous liver-kidney transplantation. Kidney International, 2016, 89, 909-917.	2.6	83
44	Characterization of a porcine model for associating liver partition and portal vein ligation for a staged hepatectomy. Hpb, 2015, 17, 1130-1136.	0.1	18
45	Noninvasive 3â€dimensional imaging of liver regeneration in a mouse model of hereditary tyrosinemia type 1 using the sodium iodide symporter gene. Liver Transplantation, 2015, 21, 442-453.	1.3	20
46	Reply to: â€œPivotal preclinical trial of the spheroid reservoir bioartificial liverâ€• Journal of Hepatology, 2015, 63, 1052-1053.	1.8	3
47	Safety and Feasibility for Pediatric Cardiac Regeneration Using Epicardial Delivery of Autologous Umbilical Cord Blood-Derived Mononuclear Cells Established in a Porcine Model System. Stem Cells Translational Medicine, 2015, 4, 195-206.	1.6	22
48	Pivotal preclinical trial of the spheroid reservoir bioartificial liver. Journal of Hepatology, 2015, 63, 388-398.	1.8	76
49	Cold Storage of Rat Hepatocyte Spheroids. Cell Transplantation, 2014, 23, 819-830.	1.2	5
50	Potential and Challenges of Induced Pluripotent Stem Cells in Liver Diseases Treatment. Journal of Clinical Medicine, 2014, 3, 997-1017.	1.0	22
51	Excellent long-term patient and graft survival are possible with appropriate use of livers from deceased septuagenarian and octogenarian donors. Hpb, 2014, 16, 852-858.	0.1	33
52	Liver regeneration. Translational Research, 2014, 163, 352-362.	2.2	183
53	Fumarylacetoacetate hydrolase deficient pigs are a novel large animal model of metabolic liver disease. Stem Cell Research, 2014, 13, 144-153.	0.3	59
54	Application of Induced Pluripotent Stem Cells in Liver Diseases. Cell Medicine, 2014, 7, 1-13.	5.0	15

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55	Living Donor Kidney Transplantation Using Laparoscopically Procured Multiple Renal Artery Kidneys and Right Kidneys. Journal of the American College of Surgeons, 2013, 217, 144-152.	0.2	30
56	Role of Kupffer cells and toll-like receptor 4 in acetaminophen-induced acute liver failure. Journal of Surgical Research, 2013, 180, 147-155.	0.8	79
57	Suspension culture of hepatocyteâ€derived reporter cells in presence of albumin to form stable threeâ€dimensional spheroids. Biotechnology and Bioengineering, 2013, 110, 2548-2555.	1.7	10
58	In utero transplanted human hepatocytes allow postnatal engraftment of human hepatocytes in pigs. Liver Transplantation, 2013, 19, 328-335.	1.3	30
59	Serum-Free Medium and Mesenchymal Stromal Cells Enhance Functionality and Stabilize Integrity of Rat Hepatocyte Spheroids. Cell Transplantation, 2013, 22, 299-308.	1.2	30
60	Fulminant Hepatic Failure and Liver Support Systems. , 2013, , 1536-1543.		0
61	Bridging the gap: Advances in artificial liver support. Liver Transplantation, 2012, 18, S10-S14.	1.3	47
62	Association Between Prior Peripherally Inserted Central Catheters and Lack of Functioning Arteriovenous Fistulas: A Case-Control Study in Hemodialysis Patients. American Journal of Kidney Diseases, 2012, 60, 601-608.	2.1	62
63	Hepatocyte-like cells differentiated from human induced pluripotent stem cells: Relevance to cellular therapies. Stem Cell Research, 2012, 9, 196-207.	0.3	95
64	Support of the failing liver. , 2012, , 1114-1120.e2.		0
65	Neoadjuvant Therapy and Liver Transplantation for Hilar Cholangiocarcinoma: Is Pretreatment Pathological Confirmation of Diagnosis Necessary?. Journal of the American College of Surgeons, 2012, 215, 31-38.	0.2	72
66	Cell therapies for liver diseases. Liver Transplantation, 2012, 18, 9-21.	1.3	85
67	Portal hypertension correlates with splenic stiffness as measured with MR elastography. Journal of Magnetic Resonance Imaging, 2011, 34, 79-87.	1.9	100
68	Normal atmospheric oxygen tension and the use of antioxidants improve hepatocyte spheroid viability and function. Journal of Cellular Physiology, 2011, 226, 2987-2996.	2.0	26
69	Efficient production ofFah-null heterozygote pigs by chimeric adeno-associated virus-mediated gene knockout and somatic cell nuclear transfer. Hepatology, 2011, 54, 1351-1359.	3.6	69
70	Long-term outcomes of patients with light chain amyloidosis (AL) after renal transplantation with or without stem cell transplantation. Nephrology Dialysis Transplantation, 2011, 26, 2032-2036.	0.4	88
71	Liver Regeneration and Tissue Engineering. , 2011, , 315-332.		2
72	Recipient and Donor Age in Deceased Donor Transplantation: How Should Older Donor Kidneys be Allocated?. Transplantation, 2010, 90, 246-247.	0.5	3

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73	Gene Expression and Functional Analyses of Primary Rat Hepatocytes on Nanofiber Matrices. Cells Tissues Organs, 2010, 191, 129-140.	1.3	9
74	Engineering analysis and development of the spheroid reservoir bioartificial liver. , 2009, 2009, 5985-8.		11
75	Rat hepatocyte spheroids formed by rocked technique maintain differentiated hepatocyte gene expression and function. Hepatology, 2009, 49, 578-586.	3.6	133
76	Optimization of mass transfer for toxin removal and immunoprotection of hepatocytes in a bioartificial liver. Biotechnology and Bioengineering, 2009, 104, 995-1003.	1.7	25
77	E-Cadherin Protects Primary Hepatocyte Spheroids from Cell Death by a Caspase-Independent Mechanism. Cell Transplantation, 2009, 18, 1281-1287.	1.2	68
78	Acute liver failure: Summary of a workshop. Hepatology, 2008, 47, 1401-1415.	3.6	623
79	Matching graft to recipient by predicted survival: can this be an acceptable strategy to improve utilization of deceased donor kidneys?. Transplantation Reviews, 2008, 22, 167-170.	1.2	17
80	Extracorporeal treatment of acute liver failure. Hepatology Research, 2008, 38, S34-40.	1.8	8
81	Artificial and Bioartificial Liver Support. Seminars in Liver Disease, 2008, 28, 210-217.	1.8	76
82	Preliminary report of the Hepatic Encephalopathy Assessment Driving Simulator (HEADS) score. Ethnicity and Disease, 2008, 18, 357-64.	1.0	2
83	A Recipient Risk Score for Deceased Donor Renal Allocation. American Journal of Kidney Diseases, 2007, 49, 284-293.	2.1	44
84	Improving Utilization of Deceased Donor Kidneys by Matching Recipient and Graft Survival. Transplantation, 2006, 82, 10-14.	0.5	18
85	Predictors of Disease Recurrence Following Neoadjuvant Chemoradiotherapy and Liver Transplantation for Unresectable Perihilar Cholangiocarcinoma. Transplantation, 2006, 82, 1703-1707.	0.5	190
86	Is there a future for the bioartificial liver?. Current Opinion in Organ Transplantation, 2006, 11, 219-225.	0.8	1
87	Blood Pressure and Renal Function after Kidney Donation from Hypertensive Living Donors. Transplantation, 2005, 79, 1769-1770.	0.5	0
88	Improving the Prediction of Donor Kidney Quality: Deceased Donor Score and Resistive Indices. Transplantation, 2005, 80, 925-929.	0.5	89
89	United Network for Organ Sharing's expanded criteria donors: is stratification useful?*. Clinical Transplantation, 2005, 19, 406-412.	0.8	44
90	Routine use of livers from deceased donors older than 70: is it justified?*. Transplant International, 2005, 18, 73-77.	0.8	18

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91	Rapid, large-scale formation of porcine hepatocyte spheroids in a novel spheroid reservoir bioartificial liver. Liver Transplantation, 2005, 11, 901-910.	1.3	129
92	Liver Transplantation for Unresectable Perihilar Cholangiocarcinoma. Seminars in Liver Disease, 2004, 24, 201-207.	1.8	225
93	Cytotoxic Immune Response to a Xenogeneic Bioartificial Liver. Cell Transplantation, 2004, 13, 783-792.	1.2	19
94	What's the score?. Clinical Transplantation, 2004, 18, 349-350.	0.8	1
95	Patient and graft outcomes from older living kidney donors are similar to those from younger donors despite lower GFR. Kidney International, 2004, 66, 1654-1661.	2.6	72
96	MELD and Other Factors Associated with Survival after Liver Transplantation. American Journal of Transplantation, 2004, 4, 819-825.	2.6	188
97	Histologic Findings of Antibody-Mediated Rejection in ABO Blood-Group-Incompatible Living-Donor Kidney Transplantation. American Journal of Transplantation, 2004, 4, 101-107.	2.6	96
98	Prospective, Randomized, Multicenter, Controlled Trial of a Bioartificial Liver in Treating Acute Liver Failure. Annals of Surgery, 2004, 239, 660-670.	2.1	574
99	Decline in native renal function early after bladder-drained pancreas transplantation alone. Transplantation, 2004, 77, 844-849.	0.5	37
100	Pancreas-after-kidney transplantation: an increasingly attractive alternative to simultaneous pancreas-kidney transplantation. Transplantation, 2004, 77, 838-843.	0.5	36
101	WOUND-HEALING COMPLICATIONS AFTER KIDNEY TRANSPLANTATION: A PROSPECTIVE, RANDOMIZED COMPARISON OF SIROLIMUS AND TACROLIMUS1. Transplantation, 2004, 77, 1555-1561.	0.5	284
102	Membrane barrier of a porcine hepatocyte bioartificial liver. Liver Transplantation, 2003, 9, 298-305.	1.3	22
103	Late presentation of pylephlebitis after orthotopic liver transplantation. Liver Transplantation, 2003, 9, 776-777.	1.3	7
104	Improved Scoring System to Assess Adult Donors For Cadaver Renal Transplantation. American Journal of Transplantation, 2003, 3, 715-721.	2.6	170
105	Overcoming a Positive Crossmatch in Living-Donor Kidney Transplantation. American Journal of Transplantation, 2003, 3, 1017-1023.	2.6	239
106	Blood Pressure Evaluation among Older Living Kidney Donors. Journal of the American Society of Nephrology: JASN, 2003, 14, 2159-2167.	3.0	57
107	Apoptotic Cell Death and Function of Cryopreserved Porcine Hepatocytes in a Bioartificial Liver. Cell Transplantation, 2003, 12, 109-121.	1.2	47
108	ABO-incompatible kidney transplantation using both A2 and non-A2 living donors. Transplantation, 2003, 75, 971-977.	0.5	187

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109	Membrane pore size impacts performance of a xenogeneic bioartificial liver1. Transplantation, 2003, 76, 1299-1305.	0.5	15
110	Subclinical Rejection in Tacrolimus-Treated Renal Transplant Recipients. Transplantation, 2002, 73, 1965-1967.	0.5	101
111	Successful pregnancy after porcine bioartificial liver treatment and liver transplantation for fulminant hepatic failure. Liver Transplantation, 2002, 8, 169-170.	1.3	3
112	Preliminary Experience with a Cuffed ePTFE Graft for Hemodialysis Vascular Access. ASAIO Journal, 2001, 47, 333-337.	0.9	22
113	Caspase inhibition reduces apoptotic death of cryopreserved porcine hepatocytes. Hepatology, 2001, 33, 1432-1440.	3.6	106
114	Evidence that a single stem cell can lead to multi-organ engraftment. Liver Transplantation, 2001, 7, 1085-1087.	1.3	2
115	Donor Scoring System for Cadaveric Renal Transplantation. American Journal of Transplantation, 2001, 1, 162-170.	2.6	82
116	Donor Scoring System for Cadaveric Renal Transplantation. American Journal of Transplantation, 2001, 1, 162.	2.6	1
117	THYMOGLOBULIN INDUCTION DECREASES REJECTION IN SOLITARY PANCREAS TRANSPLANTATION. Transplantation, 2001, 72, 1671-1675.	0.5	23
118	DONOR PARAMETERS PREDICT EARLY GRAFT OUTCOME AFTER CADAVERIC RENAL TRANSPLANTATION.. Transplantation, 2000, 69, S263.	0.5	0
119	DECREASED EARLY ACUTE REJECTION IN SOLITARY PANCREAS TRANSPLANTATION PATIENTS TREATED WITH THYMOGLOBULIN.. Transplantation, 2000, 69, S210.	0.5	0
120	Influence of human fulminant hepatic failure sera on endogenous retroviral expression in pig hepatocytes. Liver Transplantation, 2000, 6, 76-84.	1.3	32
121	Cerebral Edema With Herniation During Acetaminophen-Induced Fulminant Hepatic Failure. Liver Transplantation, 2000, 6, 495-496.	1.3	0
122	Fecalith impaction of the terminal ileum in a diabetic transplant recipient. American Journal of Gastroenterology, 2000, 95, 3286-3287.	0.2	1
123	Cytoprotective influence of ZVAD-fmk and glycine on gel-entrapped rat hepatocytes in a bioartificial liverâ˜†â˜†â˜†. Surgery, 2000, 127, 447-455.	1.0	27
124	Pancreas Transplantation for the Prevention of Diabetic Nephropathy. Mayo Clinic Proceedings, 2000, 75, 49-56.	1.4	11
125	TRANSFER OF PORCINE ENDOGENOUS RETROVIRUS ACROSS HOLLOW FIBER MEMBRANES. Transplantation, 1999, 67, 1251-1255.	0.5	67
126	ZENAPAX INDUCTION FOR CADAVERIC RENAL ALLOGRAFTS WITH ACUTE TUBULAR NECROSIS. Transplantation, 1999, 67, S627.	0.5	1

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127	Brain lactate by magnetic resonance spectroscopy during fulminant hepatic failure in the dog. Liver Transplantation, 1998, 4, 158-165.	1.9	40
128	Hepatocyte Liver-Assist Systemsâ€"a Clinical Update. Mayo Clinic Proceedings, 1998, 73, 765-771.	1.4	72
129	TRANSFER OF PERV RNA THROUGH HOLLOW FIBER MEMBRANES: SIGNIFICANCE TO A BIOARTIFICIAL LIVER. Transplantation, 1998, 66, S27.	0.5	0
130	Development of a bioartificial liver employing xenogeneic hepatocytes. Cytotechnology, 1997, 23, 29-38.	0.7	45
131	Review of Support Systems Used in the Management of Fulminant Hepatic Failure. Digestive Diseases, 1995, 13, 379-388.	0.8	29
132	Successful Management of a Serious Group A Streptococcal Infection During the Third Trimester of Pregnancy. Clinical Infectious Diseases, 1995, 21, 1058-1059.	2.9	7
133	Knotted bowel: small-bowel obstruction from coiled peritoneal shunt catheters. Journal of Neurosurgery, 1995, 82, 1062-1064.	0.9	12
134	Evaluation of a hepatocyte-entrapment hollow fiber bioreactor: A potential bioartificial liver. Biotechnology and Bioengineering, 1993, 41, 194-203.	1.7	183
135	Evolution of the bioartificial liver: The need for randomized clinical trials. American Journal of Surgery, 1993, 166, 512-521.	0.9	71
136	Staining with Fluorescein Diacetate Correlates with Hepatocyte Function. Biotechnic and Histochemistry, 1993, 68, 56-63.	0.7	30
137	Extracorporeal Application of a Gel-Entrapment, Bioartificial Liver: Demonstration of Drug Metabolism and Other Biochemical Functions. Cell Transplantation, 1993, 2, 441-452.	1.2	83
138	Immunoprotection of Xenocytes in a Hollow Fiber Bioartificial Liver. ASAIO Journal, 1992, 38, M463-M467.	0.9	58
139	Hepatocyte culture systems for artificial liver support. Critical Care Medicine, 1992, 20, 1157-1168.	0.4	75
140	Hepatocyte function in a hollow fiber bioreactor: A potential bioartificial liver. Journal of Surgical Research, 1992, 53, 549-557.	0.8	86
141	Microelectrode measurement of oxygen tensions in collagen-hepatocyte gels. Biotechnology Letters, 1991, 5, 449-452.	0.5	6
142	Fluctuations in T-wave morphology and susceptibility to ventricular fibrillation. Journal of Electrocardiology, 1984, 17, 209-218.	0.4	203
143	The Role of Cell-Based Bioartificial Liver Therapy in the Treatment of Fulminant Hepatic Failure. Graft: Organ and Cell Transplantation, 0, 5, 374-382.	0.0	2