

Scott L Nyberg

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.

137
papers

6,164
citations

43
h-index

76
g-index

147
ext. papers

6,875
ext. citations

4.7
avg, IF

5.33
L-index

#	Paper	IF	Citations
137	ICU and Hospital Outcomes in Patients with Hepatopulmonary Syndrome Undergoing Liver Transplantation.. <i>Lung</i> , 2022 , 200, 5	2.9	0
136	Re-Endothelialization of Decellularized Liver Scaffolds: A Step for Bioengineered Liver Transplantation.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 833163	5.8	0
135	Fumarylacetoacetate hydrolase gene as a knockout target for hepatic chimerism and donor liver production. <i>Stem Cell Reports</i> , 2021 , 16, 2577-2588	8	1
134	Association of α 1 Antitrypsin Phenotype and Development of Advanced Liver Disease and Pulmonary Complications Before and After Liver Transplantation. <i>Transplantation</i> , 2021 , 105, 1576-1584 ^{1.8}	1.8	2
133	Long-term Outcomes of Sequential Hematopoietic Stem Cell Transplantation and Kidney Transplantation: Single-center Experience. <i>Transplantation</i> , 2021 , 105, 1615-1624	1.8	
132	Functional characterization of a bioengineered liver after heterotopic implantation in pigs. <i>Communications Biology</i> , 2021 , 4, 1157	6.7	3
131	Clinical Outcomes After Liver Transplantation in Patients With Portopulmonary Hypertension. <i>Transplantation</i> , 2021 , 105, 2283-2290	1.8	7
130	Cell-Mediated Therapies to Facilitate Operational Tolerance in Liver Transplantation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
129	Limited Expansion of Human Hepatocytes in FAH/-Deficient Swine. <i>Tissue Engineering - Part A</i> , 2021 ,	3.9	1
128	Hormonal Contribution to Liver Regeneration. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2020 , 4, 315-338	3.1	6
127	Induced Pluripotent Stem Cells for the Treatment of Liver Diseases: Novel Concepts. <i>Cells Tissues Organs</i> , 2020 , 1-17	2.1	3
126	Outcomes of Liver Transplantation in Treated Portopulmonary Hypertension Patients With a Mean Pulmonary Arterial Pressure \geq 5 mm Hg. <i>Transplantation Direct</i> , 2020 , 6, e630	2.3	7
125	Autologous Adipose Tissue-Derived Mesenchymal Stem Cells Introduced by Biliary Stents or Local Immersion in Porcine Bile Duct Anastomoses. <i>Liver Transplantation</i> , 2020 , 26, 100-112	4.5	3
124	Sustained perfusion of revascularized bioengineered livers heterotopically transplanted into immunosuppressed pigs. <i>Nature Biomedical Engineering</i> , 2020 , 4, 437-445	19	17
123	Cell Therapy by Ectopic Hepatocyte Transplantation Treats the Porcine Tyrosinemia Model of Acute Liver Failure. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 18, 738-750	6.4	3
122	Outcomes of laparoscopic and open CAPD catheter placement: A single-center experience. <i>Surgery Open Science</i> , 2019 , 1, 20-24	1.2	1
121	Understanding the marvels behind liver regeneration. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2019 , 8, e340	5.9	36

120	Cold storage of porcine hepatocyte spheroids for spheroid bioartificial liver. <i>Xenotransplantation</i> , 2019 , 26, e12512	2.8	3
119	Randomized Trial of Spheroid Reservoir Bioartificial Liver in Porcine Model of Posthepatectomy Liver Failure. <i>Hepatology</i> , 2019 , 69, 329-342	11.2	33
118	Stem Cell-Related Studies and Stem Cell-Based Therapies in Liver Diseases. <i>Cell Transplantation</i> , 2019 , 28, 1116-1122	4	4
117	Acute Liver Failure and Bioartificial Liver Support 2019 , 1508-1516		1
116	Hepatocyte Reprogramming Promotes Homology-Directed DNA Repair to Correct Metabolic Disease in Mice After Transplantation. <i>Hepatology Communications</i> , 2019 , 3, 558-573	6	14
115	Autologous Gene and Cell Therapy Provides Safe and Long-Term Curative Therapy in A Large Pig Model of Hereditary Tyrosinemia Type 1. <i>Cell Transplantation</i> , 2019 , 28, 79-88	4	12
114	Stem Cell Therapies for Liver Diseases 2018 , 137-137		
113	Hepatocyte spheroids as an alternative to single cells for transplantation after ex vivo gene therapy in mice and pig models. <i>Surgery</i> , 2018 , 164, 473-481	3.6	10
112	Lentiviral Vector-mediated Gene Therapy of Hepatocytes Ex Vivo for Autologous Transplantation in Swine. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	6
111	Novel spheroid reservoir bioartificial liver improves survival of nonhuman primates in a toxin-induced model of acute liver failure. <i>Theranostics</i> , 2018 , 8, 5562-5574	12.1	20
110	Curative Ex Vivo Hepatocyte-Directed Gene Editing in a Mouse Model of Hereditary Tyrosinemia Type 1. <i>Human Gene Therapy</i> , 2018 , 29, 1315-1326	4.8	24
109	Distinguishing between Hepatic Inflammation and Fibrosis with MR Elastography. <i>Radiology</i> , 2017 , 284, 694-705	20.5	72
108	Recent Advances in Decellularization and Recellularization for Tissue-Engineered Liver Grafts. <i>Cells Tissues Organs</i> , 2017 , 204, 125-136	2.1	21
107	Association between kidney intracapsular pressure and ultrasound elastography. <i>Critical Care</i> , 2017 , 21, 251	10.8	5
106	Effect of amine content and chemistry on long-term, three-dimensional hepatocyte spheroid culture atop aminated elastin-like polypeptide coatings. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 377-388	5.4	9
105	Liver transplantation after share 35: Impact on pretransplant and posttransplant costs and mortality. <i>Liver Transplantation</i> , 2017 , 23, 11-18	4.5	13
104	Chronic Phenotype Characterization of a Large-Animal Model of Hereditary Tyrosinemia Type 1. <i>American Journal of Pathology</i> , 2017 , 187, 33-41	5.8	13
103	Concise Review: Liver Regenerative Medicine: From Hepatocyte Transplantation to Bioartificial Livers and Bioengineered Grafts. <i>Stem Cells</i> , 2017 , 35, 42-50	5.8	76

102 Support of the failing liver **2017**, 1181-1188.e3

101	Curative ex vivo liver-directed gene therapy in a pig model of hereditary tyrosinemia type 1. <i>Science Translational Medicine</i> , 2016 , 8, 349ra99	17.5	41
100	Cell therapy in chronic liver disease. <i>Current Opinion in Gastroenterology</i> , 2016 , 32, 189-94	3	30
99	Decreased chronic cellular and antibody-mediated injury in the kidney following simultaneous liver-kidney transplantation. <i>Kidney International</i> , 2016 , 89, 909-17	9.9	56
98	Stem Cell Therapies for Treatment of Liver Disease. <i>Biomedicines</i> , 2016 , 4,	4.8	25
97	Extracorporeal Liver Support and Liver Transplant for Patients with Acute-on-Chronic Liver Failure. <i>Seminars in Liver Disease</i> , 2016 , 36, 153-60	7.3	12
96	Transforming growth factor- β -Expressing Mesenchymal Stem Cells Induce Local Tolerance in a Rat Liver Transplantation Model of Acute Rejection. <i>Stem Cells</i> , 2016 , 34, 2681-2692	5.8	19
95	Noninvasive 3-dimensional imaging of liver regeneration in a mouse model of hereditary tyrosinemia type 1 using the sodium iodide symporter gene. <i>Liver Transplantation</i> , 2015 , 21, 442-53	4.5	18
94	Reply to: "Pivotal preclinical trial of the spheroid reservoir bioartificial liver". <i>Journal of Hepatology</i> , 2015 , 63, 1052-3	13.4	3
93	Safety and feasibility for pediatric cardiac regeneration using epicardial delivery of autologous umbilical cord blood-derived mononuclear cells established in a porcine model system. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 195-206	6.9	20
92	Pivotal preclinical trial of the spheroid reservoir bioartificial liver. <i>Journal of Hepatology</i> , 2015 , 63, 388-98	13.4	58
91	Characterization of a porcine model for associating liver partition and portal vein ligation for a staged hepatectomy. <i>Hpb</i> , 2015 , 17, 1130-6	3.8	12
90	Fumarylacetoacetate hydrolase deficient pigs are a novel large animal model of metabolic liver disease. <i>Stem Cell Research</i> , 2014 , 13, 144-53	1.6	44
89	Application of Induced Pluripotent Stem Cells in Liver Diseases. <i>Cell Medicine</i> , 2014 , 7, 1-13	4.9	12
88	Cold storage of rat hepatocyte spheroids. <i>Cell Transplantation</i> , 2014 , 23, 819-30	4	3
87	Potential and Challenges of Induced Pluripotent Stem Cells in Liver Diseases Treatment. <i>Journal of Clinical Medicine</i> , 2014 , 3, 997-1017	5.1	20
86	Excellent long-term patient and graft survival are possible with appropriate use of livers from deceased septuagenarian and octogenarian donors. <i>Hpb</i> , 2014 , 16, 852-8	3.8	28
85	Liver regeneration. <i>Translational Research</i> , 2014 , 163, 352-62	11	138

84	Living donor kidney transplantation using laparoscopically procured multiple renal artery kidneys and right kidneys. <i>Journal of the American College of Surgeons</i> , 2013 , 217, 144-52; discussion 152	4.4	22
83	Role of Kupffer cells and toll-like receptor 4 in acetaminophen-induced acute liver failure. <i>Journal of Surgical Research</i> , 2013 , 180, 147-55	2.5	60
82	Suspension culture of hepatocyte-derived reporter cells in presence of albumin to form stable three-dimensional spheroids. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2548-55	4.9	10
81	In utero transplanted human hepatocytes allow postnatal engraftment of human hepatocytes in pigs. <i>Liver Transplantation</i> , 2013 , 19, 328-35	4.5	26
80	Serum-free medium and mesenchymal stromal cells enhance functionality and stabilize integrity of rat hepatocyte spheroids. <i>Cell Transplantation</i> , 2013 , 22, 299-308	4	26
79	Fulminant Hepatic Failure and Liver Support Systems 2013 , 1536-1543		
78	Neoadjuvant therapy and liver transplantation for hilar cholangiocarcinoma: is pretreatment pathological confirmation of diagnosis necessary?. <i>Journal of the American College of Surgeons</i> , 2012 , 215, 31-8; discussion 38-40	4.4	57
77	Cell therapies for liver diseases. <i>Liver Transplantation</i> , 2012 , 18, 9-21	4.5	74
76	Bridging the gap: advances in artificial liver support. <i>Liver Transplantation</i> , 2012 , 18 Suppl 2, S10-4	4.5	40
75	Association between prior peripherally inserted central catheters and lack of functioning arteriovenous fistulas: a case-control study in hemodialysis patients. <i>American Journal of Kidney Diseases</i> , 2012 , 60, 601-8	7.4	51
74	Hepatocyte-like cells differentiated from human induced pluripotent stem cells: relevance to cellular therapies. <i>Stem Cell Research</i> , 2012 , 9, 196-207	1.6	85
73	Support of the failing liver 2012 , 1114-1120.e2		
72	Portal hypertension correlates with splenic stiffness as measured with MR elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 79-87	5.6	86
71	Normal atmospheric oxygen tension and the use of antioxidants improve hepatocyte spheroid viability and function. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2987-96	7	21
70	Efficient production of Fah-null heterozygote pigs by chimeric adeno-associated virus-mediated gene knockout and somatic cell nuclear transfer. <i>Hepatology</i> , 2011 , 54, 1351-9	11.2	59
69	Long-term outcomes of patients with light chain amyloidosis (AL) after renal transplantation with or without stem cell transplantation. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 2032-6	4.3	72
68	Liver Regeneration and Tissue Engineering 2011 , 315-332		0
67	Gene expression and functional analyses of primary rat hepatocytes on nanofiber matrices. <i>Cells Tissues Organs</i> , 2010 , 191, 129-40	2.1	7

66	Recipient and donor age in deceased donor transplantation: how should older donor kidneys be allocated?. <i>Transplantation</i> , 2010 , 90, 246-7	1.8	1
65	Engineering analysis and development of the spheroid reservoir bioartificial liver. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 5985-8	0.9	7
64	Rat hepatocyte spheroids formed by rocked technique maintain differentiated hepatocyte gene expression and function. <i>Hepatology</i> , 2009 , 49, 578-86	11.2	118
63	Optimization of mass transfer for toxin removal and immunoprotection of hepatocytes in a bioartificial liver. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 995-1003	4.9	19
62	E-cadherin protects primary hepatocyte spheroids from cell death by a caspase-independent mechanism. <i>Cell Transplantation</i> , 2009 , 18, 1281-7	4	56
61	Matching graft to recipient by predicted survival: can this be an acceptable strategy to improve utilization of deceased donor kidneys?. <i>Transplantation Reviews</i> , 2008 , 22, 167-70	3.3	12
60	Extracorporeal treatment of acute liver failure. <i>Hepatology Research</i> , 2008 , 38 Suppl 1, S34-40	5.1	6
59	Artificial and bioartificial liver support. <i>Seminars in Liver Disease</i> , 2008 , 28, 210-7	7.3	63
58	Acute liver failure: Summary of a workshop. <i>Hepatology</i> , 2008 , 47, 1401-15	11.2	518
57	Preliminary report of the Hepatic Encephalopathy Assessment Driving Simulator (HEADS) score. <i>Ethnicity and Disease</i> , 2008 , 18, 357-64	1.8	1
56	A recipient risk score for deceased donor renal allocation. <i>American Journal of Kidney Diseases</i> , 2007 , 49, 284-93	7.4	38
55	Improving utilization of deceased donor kidneys by matching recipient and graft survival. <i>Transplantation</i> , 2006 , 82, 10-4	1.8	15
54	Predictors of disease recurrence following neoadjuvant chemoradiotherapy and liver transplantation for unresectable perihilar cholangiocarcinoma. <i>Transplantation</i> , 2006 , 82, 1703-7	1.8	163
53	Is there a future for the bioartificial liver?. <i>Current Opinion in Organ Transplantation</i> , 2006 , 11, 219-225	2.5	1
52	Blood Pressure and Renal Function after Kidney Donation from Hypertensive Living Donors. <i>Transplantation</i> , 2005 , 79, 1769-1770	1.8	
51	Improving the prediction of donor kidney quality: deceased donor score and resistive indices. <i>Transplantation</i> , 2005 , 80, 925-9	1.8	76
50	United Network for Organ Sharing's expanded criteria donors: is stratification useful?. <i>Clinical Transplantation</i> , 2005 , 19, 406-12	3.8	35
49	Routine use of livers from deceased donors older than 70: is it justified?. <i>Transplant International</i> , 2005 , 18, 73-7	3	15

48	Rapid, large-scale formation of porcine hepatocyte spheroids in a novel spheroid reservoir bioartificial liver. <i>Liver Transplantation</i> , 2005 , 11, 901-10	4.5	113
47	Liver transplantation for unresectable perihilar cholangiocarcinoma. <i>Seminars in Liver Disease</i> , 2004 , 24, 201-7	7.3	175
46	Cytotoxic immune response to a xenogeneic bioartificial liver. <i>Cell Transplantation</i> , 2004 , 13, 783-91	4	17
45	Patient and graft outcomes from older living kidney donors are similar to those from younger donors despite lower GFR. <i>Kidney International</i> , 2004 , 66, 1654-61	9.9	62
44	MELD and other factors associated with survival after liver transplantation. <i>American Journal of Transplantation</i> , 2004 , 4, 819-25	8.7	168
43	Histologic findings of antibody-mediated rejection in ABO blood-group-incompatible living-donor kidney transplantation. <i>American Journal of Transplantation</i> , 2004 , 4, 101-7	8.7	89
42	Prospective, randomized, multicenter, controlled trial of a bioartificial liver in treating acute liver failure. <i>Annals of Surgery</i> , 2004 , 239, 660-7; discussion 667-70	7.8	477
41	Decline in native renal function early after bladder-drained pancreas transplantation alone. <i>Transplantation</i> , 2004 , 77, 844-9	1.8	30
40	Pancreas-after-kidney transplantation: an increasingly attractive alternative to simultaneous pancreas-kidney transplantation. <i>Transplantation</i> , 2004 , 77, 838-43	1.8	32
39	Wound-healing complications after kidney transplantation: a prospective, randomized comparison of sirolimus and tacrolimus. <i>Transplantation</i> , 2004 , 77, 1555-61	1.8	247
38	Apoptotic cell death and function of cryopreserved porcine hepatocytes in a bioartificial liver. <i>Cell Transplantation</i> , 2003 , 12, 109-21	4	42
37	ABO-incompatible kidney transplantation using both A2 and non-A2 living donors. <i>Transplantation</i> , 2003 , 75, 971-7	1.8	163
36	Membrane pore size impacts performance of a xenogeneic bioartificial liver. <i>Transplantation</i> , 2003 , 76, 1299-305	1.8	14
35	Membrane barrier of a porcine hepatocyte bioartificial liver. <i>Liver Transplantation</i> , 2003 , 9, 298-305	4.5	20
34	Late presentation of pylephlebitis after orthotopic liver transplantation. <i>Liver Transplantation</i> , 2003 , 9, 776-7	4.5	6
33	Improved scoring system to assess adult donors for cadaver renal transplantation. <i>American Journal of Transplantation</i> , 2003 , 3, 715-21	8.7	141
32	Overcoming a positive crossmatch in living-donor kidney transplantation. <i>American Journal of Transplantation</i> , 2003 , 3, 1017-23	8.7	203
31	Blood pressure evaluation among older living kidney donors. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, 2159-67	12.7	48

30	Successful pregnancy after porcine bioartificial liver treatment and liver transplantation for fulminant hepatic failure. <i>Liver Transplantation</i> , 2002 , 8, 169-70	4.5	3
29	Subclinical rejection in tacrolimus-treated renal transplant recipients. <i>Transplantation</i> , 2002 , 73, 1965-8	1.8	87
28	Caspase inhibition reduces apoptotic death of cryopreserved porcine hepatocytes. <i>Hepatology</i> , 2001 , 33, 1432-40	11.2	99
27	Evidence that a single stem cell can lead to multi-organ engraftment. <i>Liver Transplantation</i> , 2001 , 7, 1085-7	4.5	1
26	Donor Scoring System for Cadaveric Renal Transplantation. <i>American Journal of Transplantation</i> , 2001 , 1, 162-170	8.7	74
25	Preliminary experience with a cuffed ePTFE graft for hemodialysis vascular access. <i>ASAIO Journal</i> , 2001 , 47, 333-7	3.6	19
24	Donor Scoring System for Cadaveric Renal Transplantation 2001 , 1, 162		1
23	Thymoglobulin induction decreases rejection in solitary pancreas transplantation. <i>Transplantation</i> , 2001 , 72, 1671-5	1.8	21
22	Influence of human fulminant hepatic failure sera on endogenous retroviral expression in pig hepatocytes. <i>Liver Transplantation</i> , 2000 , 6, 76-84	4.5	30
21	Cerebral edema with herniation during acetaminophen-induced fulminant hepatic failure. <i>Liver Transplantation</i> , 2000 , 6, 495-6	4.5	
20	Fecalith impaction of the terminal ileum in a diabetic transplant recipient. <i>American Journal of Gastroenterology</i> , 2000 , 95, 3286-7	0.7	1
19	Cytoprotective influence of ZVAD-fmk and glycine on gel-entrapped rat hepatocytes in a bioartificial liver. <i>Surgery</i> , 2000 , 127, 447-55	3.6	25
18	Pancreas transplantation for the prevention of diabetic nephropathy. <i>Mayo Clinic Proceedings</i> , 2000 , 75, 49-56	6.4	11
17	Transfer of porcine endogenous retrovirus across hollow fiber membranes: significance to a bioartificial liver. <i>Transplantation</i> , 1999 , 67, 1251-5	1.8	59
16	Brain lactate by magnetic resonance spectroscopy during fulminant hepatic failure in the dog. <i>Liver Transplantation</i> , 1998 , 4, 158-65		34
15	Hepatocyte liver-assist systems--a clinical update. <i>Mayo Clinic Proceedings</i> , 1998 , 73, 765-71	6.4	61
14	Development of a bioartificial liver employing xenogeneic hepatocytes. <i>Cytotechnology</i> , 1997 , 23, 29-38	2.2	39
13	Review of support systems used in the management of fulminant hepatic failure. <i>Digestive Diseases</i> , 1995 , 13, 379-88	3.2	23

12	Successful management of a serious group A streptococcal infection during the third trimester of pregnancy. <i>Clinical Infectious Diseases</i> , 1995 , 21, 1058-9	11.6	7
11	Knotted bowel: small-bowel obstruction from coiled peritoneal shunt catheters. Report of two cases. <i>Journal of Neurosurgery</i> , 1995 , 82, 1062-4	3.2	11
10	Staining with fluorescein diacetate correlates with hepatocyte function. <i>Biotechnic and Histochemistry</i> , 1993 , 68, 56-63	1.8	26
9	Extracorporeal application of a gel-entrapment, bioartificial liver: demonstration of drug metabolism and other biochemical functions. <i>Cell Transplantation</i> , 1993 , 2, 441-52	4	75
8	Evaluation of a hepatocyte-entrapment hollow fiber bioreactor: a potential bioartificial liver. <i>Biotechnology and Bioengineering</i> , 1993 , 41, 194-203	4.9	162
7	Evolution of the bioartificial liver: the need for randomized clinical trials. <i>American Journal of Surgery</i> , 1993 , 166, 512-21	2.7	62
6	Immunoprotection of xenocytes in a hollow fiber bioartificial liver. <i>ASAIO Journal</i> , 1992 , 38, M463-7	3.6	49
5	Hepatocyte culture systems for artificial liver support: implications for critical care medicine (bioartificial liver support). <i>Critical Care Medicine</i> , 1992 , 20, 1157-68	1.4	66
4	Hepatocyte function in a hollow fiber bioreactor: a potential bioartificial liver. <i>Journal of Surgical Research</i> , 1992 , 53, 549-57	2.5	81
3	Microelectrode measurement of oxygen tensions in collagen-hepatocyte gels. <i>Biotechnology Letters</i> , 1991 , 5, 449-452		6
2	Fluctuations in T-wave morphology and susceptibility to ventricular fibrillation. <i>Journal of Electrocardiology</i> , 1984 , 17, 209-18	1.4	171
1	The Role of Cell-Based Bioartificial Liver Therapy in the Treatment of Fulminant Hepatic Failure. <i>Graft: Organ and Cell Transplantation</i> , 5, 374-382		2