

# Rolf N Barth

## List of Publications by Year in descending order

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99  
papers

2,810  
citations

159358

30  
h-index

189595

50  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facial transplantation: the first 9 years. <i>Lancet, The</i> , 2014, 384, 2153-2163.	6.3	227
2	The Maryland Aggregate Pathology Index: A Deceased Donor Kidney Biopsy Scoring System for Predicting Graft Failure. <i>American Journal of Transplantation</i> , 2008, 8, 2316-2324.	2.6	139
3	The Innate Immune Response and Activation of Coagulation in $\beta$ 1,3-Galactosyltransferase Gene-Knockout Xenograft Recipients. <i>Transplantation</i> , 2009, 87, 805-812.	0.5	135
4	Total Face, Double Jaw, and Tongue Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2013, 131, 241-251.	0.7	126
5	Activation of Cytomegalovirus in Pig-to-Primate Organ Xenotransplantation. <i>Journal of Virology</i> , 2002, 76, 4734-4740.	1.5	116
6	Thrombotic Microangiopathic Glomerulopathy in Human Decay Accelerating Factor $\alpha$ Transgenic Swine-to-Baboon Kidney Xenografts. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2732-2745.	3.0	85
7	Early graft failure of GalTKO pig organs in baboons is reduced by expression of a human complement pathway $\alpha$ regulatory protein. <i>Xenotransplantation</i> , 2015, 22, 310-316.	1.6	79
8	THYMIC TRANSPLANTATION IN MINIATURE SWINE. <i>Transplantation</i> , 1999, 68, 1684-1692.	0.5	77
9	Vascularized thymic lobe transplantation in miniature swine: Thymopoiesis and tolerance induction across fully MHC-mismatched barriers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3827-3832.	3.3	74
10	Xenogeneic thymokidney and thymic tissue transplantation in a pig-to-baboon model: I. evidence for pig-specific T-cell unresponsiveness <sup>1</sup> . <i>Transplantation</i> , 2003, 75, 1615-1624.	0.5	72
11	Vascularized Bone Marrow-Based Immunosuppression Inhibits Rejection of Vascularized Composite Allografts in Nonhuman Primates. <i>American Journal of Transplantation</i> , 2011, 11, 1407-1416.	2.6	70
12	Outcomes at 3 $\alpha$ years of a prospective pilot study of Campath-1H and sirolimus immunosuppression for renal transplantation. <i>Transplant International</i> , 2006, 19, 885-892.	0.8	66
13	INDUCTION OF TRANSPLANTATION TOLERANCE WITH A SHORT COURSE OF TACROLIMUS(FK506). <i>Transplantation</i> , 2001, 71, 1368-1379.	0.5	63
14	Activation of Porcine Cytomegalovirus, but Not Porcine Lymphotropic Herpesvirus, in Pig $\alpha$ Baboon Xenotransplantation. <i>Journal of Infectious Diseases</i> , 2004, 189, 1628-1633.	1.9	60
15	Facial Subunit Composite Tissue Allografts in Nonhuman Primates: I. Technical and Immunosuppressive Requirements for Prolonged Graft Survival. <i>Plastic and Reconstructive Surgery</i> , 2009, 123, 493-501.	0.7	59
16	Selection of Patients for Initial Clinical Trials of Solid Organ Xenotransplantation. <i>Transplantation</i> , 2017, 101, 1551-1558.	0.5	59
17	Shorter Waitlist Times and Improved Graft Survivals Are Observed in Patients Who Accept Hepatitis C Virus+ Renal Allografts. <i>Transplantation</i> , 2015, 99, 1192-1196.	0.5	53
18	Single-Port Donor Nephrectomy Provides Improved Patient Satisfaction and Equivalent Outcomes. <i>Annals of Surgery</i> , 2013, 257, 527-533.	2.1	51

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19	Antiserum to activity-dependent neurotrophic factor produces neuronal cell death in CNS cultures: immunological and biological specificity. <i>Developmental Brain Research</i> , 1997, 99, 167-175.	2.1	50
20	Vascularized thymic lobe transplantation in miniature swine: I. Vascularized thymic lobe allografts support thymopoiesis. <i>Transplantation</i> , 2002, 73, 826-831.	0.5	50
21	Thymic transplantation in miniature swine: III. induction of tolerance by transplantation of composite thymokidneys across fully major histocompatibility complex-mismatched barriers. <i>Transplantation</i> , 2003, 76, 530-536.	0.5	50
22	Histopathology of Chronic Rejection in a Nonhuman Primate Model of Vascularized Composite Allograft Transplantation. <i>Transplantation</i> , 2013, 95, 1204-1210.	0.5	50
23	Pancreas Transplant Alone as an Independent Risk Factor for the Development of Renal Failure: A Retrospective Study. <i>Transplantation</i> , 2008, 86, 1789-1794.	0.5	48
24	Ureteral Stents Are Associated With Reduced Risk of Ureteral Complications After Kidney Transplantation. <i>Transplantation</i> , 2012, 93, 304-308.	0.5	42
25	Molecular Adsorbent Recirculating System Effectively Replaces Hepatic Function in Severe Acute Liver Failure. <i>Annals of Surgery</i> , 2017, 266, 677-684.	2.1	40
26	Recellularization via the bile duct supports functional allogenic and xenogenic cell growth on a decellularized rat liver scaffold. <i>Organogenesis</i> , 2017, 13, 16-27.	0.4	36
27	Total Face, Double Jaw, and Tongue Transplant Research Procurement. <i>Plastic and Reconstructive Surgery</i> , 2012, 130, 824-834.	0.7	35
28	Successful Implementation of Unmanned Aircraft Use for Delivery of a Human Organ for Transplantation. <i>Annals of Surgery</i> , 2021, 274, e282-e288.	2.1	34
29	Validation of the Maryland Aggregate Pathology Index (MAPI), a pre-implantation scoring system that predicts graft outcome. <i>Clinical Transplantation</i> , 2014, 28, 897-905.	0.8	33
30	The demise of islet allotransplantation in the United States: A call for an urgent regulatory update. <i>American Journal of Transplantation</i> , 2021, 21, 1365-1375.	2.6	33
31	Vascularized Islet Cell Transplantation in Miniature Swine: Islet-Kidney Allografts Correct the Diabetic Hyperglycemia Induced by Total Pancreatectomy. <i>Diabetes</i> , 2002, 51, 3220-3228.	0.3	33
32	Nonhuman Primate Model of Fibula Vascularized Composite Tissue Allograft Transplantation Demonstrates Donor-Recipient Bony Union. <i>Plastic and Reconstructive Surgery</i> , 2011, 128, 1193-1204.	0.7	32
33	Safety of Belatacept Bridging Immunosuppression in Hepatitis C-Positive Liver Transplant Recipients With Renal Dysfunction. <i>Transplantation</i> , 2014, 97, 133-137.	0.5	31
34	Prolonged Survival of Composite Facial Allografts in Non-Human Primates Associated With Posttransplant Lymphoproliferative Disorder. <i>Transplantation</i> , 2009, 88, 1242-1250.	0.5	30
35	Vascularized islet-cell transplantation in miniature swine. I. Preparation of vascularized islet kidneys. <i>Transplantation</i> , 2002, 74, 1223-1230.	0.5	28
36	Lymphoid neogenesis in skin of human hand, nonhuman primate, and rat vascularized composite allografts. <i>Transplant International</i> , 2014, 27, 966-976.	0.8	27

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37	Deceased-Donor Renal Transplantation in the Geriatric Population Demonstrates Equal Graft Survival Compared With Younger Recipients. <i>Transplantation</i> , 2009, 87, 1549-1554.	0.5	25
38	THE EFFECT OF XENOREACTIVE ANTIBODY AND B CELL DEPLETION ON HYPERACUTE REJECTION OF GUINEA PIG-TO-RAT CARDIAC XENOGRAFTS1. <i>Transplantation</i> , 1993, 56, 1318-1324.	0.5	23
39	Robotic-assisted single-port donor nephrectomy using the da Vinci single-site platform. <i>Journal of Surgical Research</i> , 2018, 222, 34-38.	0.8	23
40	B-CELL RECONSTITUTION AND XENOREACTIVE ANTI-PIG NATURAL ANTIBODY PRODUCTION IN SEVERE COMBINED IMMUNODEFICIENT MICE RECONSTITUTED WITH IMMUNOCOMPETENT B CELLS FROM VARYING SOURCES1. <i>Transplantation</i> , 1998, 66, 89-95.	0.5	23
41	Inhibiting CARD11 translation during BCR activation by targeting the eIF4A RNA helicase. <i>Blood</i> , 2014, 124, 3758-3767.	0.6	22
42	N-glycolylneuraminic acid knockout reduces erythrocyte sequestration and thromboxane elaboration in an ex vivo pig-to-human xenoperfusion model. <i>Xenotransplantation</i> , 2017, 24, e12339.	1.6	21
43	Minimally invasive donor nephrectomy: current state of the art. <i>Langenbeck's Archives of Surgery</i> , 2018, 403, 681-691.	0.8	21
44	Live Donor Renal Transplant With Simultaneous Bilateral Nephrectomy for Autosomal Dominant Polycystic Kidney Disease Is Feasible and Satisfactory at Long-term Follow-up. <i>Transplantation</i> , 2016, 100, 407-415.	0.5	20
45	Pig-to-baboon liver xenoperfusion utilizing GalTKO.hCD46 pigs and glycoprotein Ib blockade. <i>Xenotransplantation</i> , 2014, 21, 274-286.	1.6	19
46	COVID-19 in hospitalized liver transplant recipients: An early systematic review and meta-analysis. <i>Clinical Transplantation</i> , 2021, 35, e14246.	0.8	19
47	THE INDUCTION OF SPECIFIC PIG SKIN GRAFT TOLERANCE BY GRAFTING WITH NEONATAL PIG THYMUS IN THYMECTOMIZED MICE1. <i>Transplantation</i> , 2000, 69, 1447-1451.	0.5	19
48	Extracorporeal membrane oxygenation support following liver transplantation—A case series. <i>Clinical Transplantation</i> , 2019, 33, e13628.	0.8	15
49	Infrared Fluorescence Imaging of Lymphatic Regeneration in Nonhuman Primate Facial Vascularized Composite Allografts. <i>Annals of Plastic Surgery</i> , 2012, 68, 314-319.	0.5	14
50	Assessing Pancreas Transplant Candidate Cardiac Disease: Preoperative Protocol Development at a Rapidly Growing Transplant Program. <i>Methods and Protocols</i> , 2019, 2, 82.	0.9	14
51	Nasogastric Decompression Is Not Necessary After Simultaneous Pancreas-Kidney Transplantation. <i>Annals of Surgery</i> , 2008, 247, 350-356.	2.1	13
52	Regulatory T Cells Are Not Predictive of Outcomes in a Nonhuman Primate Model of Vascularized Composite Allograft Transplantation. <i>Transplantation</i> , 2013, 96, 267-273.	0.5	12
53	Vascularized Composite Allograft Transplantation: Medical Complications. <i>Current Transplantation Reports</i> , 2016, 3, 395-403.	0.9	12
54	Synthetic liver function is detectable in transgenic porcine livers perfused with human blood. <i>Xenotransplantation</i> , 2018, 25, e12361.	1.6	12

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55	Antibody-mediated rejection of renal allograft in combined liver-kidney transplant. <i>Clinical Transplantation</i> , 2010, 24, 685-690.	0.8	10
56	Sequential kidney-liver transplantation from the same living donor for lecithin cholesterol acyl transferase deficiency. <i>Clinical Transplantation</i> , 2016, 30, 1370-1374.	0.8	10
57	Resolution of donor non-alcoholic fatty liver disease following liver transplantation. <i>Clinical Transplantation</i> , 2017, 31, e13032.	0.8	9
58	Regulatory updates are needed to prevent the commercialization of islet transplantation in the United States. <i>American Journal of Transplantation</i> , 2021, 21, 2620-2622.	2.6	9
59	The Impact of COVID-19 on Kidney Transplant Recipients in Pre-Vaccination and Delta Strain Era: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 4533.	1.0	9
60	Which cava anastomotic techniques are optimal regarding immediate and short-term outcomes after liver transplantation: A systematic review of the literature and expert panel recommendations. <i>Clinical Transplantation</i> , 2022, 36, e14681.	0.8	9
61	Functionally and phenotypically mature mouse CD8 <sup>+</sup> T cells develop in porcine thymus grafts in mice. <i>Xenotransplantation</i> , 1998, 5, 99-104.	1.6	8
62	Valganciclovir is an effective prophylaxis for cytomegalovirus disease in liver transplant recipients. <i>Hpb</i> , 2010, 12, 657-663.	0.1	8
63	Large Animal Models for Vascularized Composite Allotransplantation. <i>Current Transplantation Reports</i> , 2014, 1, 190-196.	0.9	8
64	Surgical complications of laparoendoscopic single-site donor nephrectomy: a retrospective study. <i>Transplant International</i> , 2017, 30, 1132-1139.	0.8	8
65	Improvement in pancreas transplant evaluation and surgical volume using a multidisciplinary approach. <i>American Journal of Transplantation</i> , 2018, 18, 1295-1296.	2.6	8
66	Acute on Chronic Liver Failure: Factors Associated With Transplantation. <i>Transplantation Direct</i> , 2021, 7, e788.	0.8	8
67	Liver Failure Requiring Transplantation After Orlistat Use. <i>Pharmacotherapy</i> , 2011, 31, 1145-1145.	1.2	7
68	Advances in liver xenotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018, 23, 615-620.	0.8	7
69	Treatment of Renin-Angiotensin-Aldosterone System Dysfunction With Angiotensin II in High-Renin Septic Shock. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2021, 25, 67-73.	0.4	7
70	Living kidney donor relationship in caucasian and african american populations and implications for targeted donor education programs. <i>Clinical Transplantation</i> , 2013, 27, 32-36.	0.8	6
71	Ischemic Cholangiopathy Postdonation After Circulatory Death Liver Transplantation: Donor Hepatectomy Time Matters. <i>Transplantation Direct</i> , 2022, 8, e1277.	0.8	6
72	Liver Scaffolds Support Survival and Metabolic Function of Multilineage Neonatal Allogenic Cells. <i>Tissue Engineering - Part A</i> , 2018, 24, 786-793.	1.6	5

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73	Multiple Regional Listing Increases Liver Transplant Rates for Those With Model for End-stage Liver Disease Score &lt;15. <i>Transplantation</i> , 2020, 104, 762-769.	0.5	5
74	Early Microchimerism After Face Transplantation Detected by Quantitative Real-time Polymerase Chain Reaction of Insertion/Deletion Polymorphisms. <i>Transplantation</i> , 2015, 99, e44-e45.	0.5	4
75	Postoperative Elevated Resistive Indices Do Not Predict Hepatic Artery Thrombosis in Extended Criteria Donor Livers. <i>International Journal of Angiology</i> , 2017, 26, 238-240.	0.2	4
76	Endovascular Reconstruction of the Hepatic Arterial System for the Management of Mycotic Pseudoaneurysm in a Liver Transplant Patient. <i>Annals of Vascular Surgery</i> , 2019, 61, 473.e7-473.e11.	0.4	4
77	Hepatic Artery Pseudoaneurysm in the Liver Transplant Recipient: A Case Series. <i>Case Reports in Transplantation</i> , 2019, 2019, 1-6.	0.1	4
78	Islets Transplantation at a Crossroads - Need for Urgent Regulatory Update in the United States: Perspective Presented During the Scientific Sessions 2021 at the American Diabetes Association Congress. <i>Frontiers in Endocrinology</i> , 2021, 12, 789526.	1.5	4
79	How to Help Patients Considering VCA. <i>AMA Journal of Ethics</i> , 2019, 21, E960-967.	0.4	3
80	Emphysematous Gastritis in a Transplant Recipient With <i>Clostridium ventriculi</i> Infection. <i>ACG Case Reports Journal</i> , 2020, 7, e00488.	0.2	3
81	Comparison of Alemtuzumab Versus Basiliximab Induction Therapy in Elderly Kidney Transplant Recipients: A Single-Center Experience. <i>Journal of Pharmacy Practice</i> , 2021, 34, 199-206.	0.5	3
82	hEPCR.hTBM.hCD47.hHOâ€¹ with donor clodronate and DDAVP treatment improves perfusion and function of GalTKO.hCD46 porcine livers perfused with human blood. <i>Xenotransplantation</i> , 2022, 29, e12731.	1.6	3
83	Diabetic nephropathy after kidney transplantation in patients with pretransplantation type II diabetes: A retrospective case series study from a highâ€ºvolume center in the United States. <i>Clinical Transplantation</i> , 2018, 32, e13425.	0.8	2
84	Alemtuzumab induction and belatacept maintenance in marginal pathology renal allografts. <i>Clinical Transplantation</i> , 2019, 33, e13531.	0.8	2
85	Composite tissue transplantation: what does the future look like?. <i>Transplantation Reviews</i> , 2007, 21, 129-135.	1.2	1
86	Tacrolimus monotherapy as strategy for prolonged composite tissue allograft survival in a non-human primate model. <i>Journal of the American College of Surgeons</i> , 2008, 207, S105-S106.	0.2	1
87	The promise of co-stimulatory blockade in transplantation. <i>Nature Reviews Nephrology</i> , 2013, 9, 189-190.	4.1	1
88	Pharmacokinetics and Tolerability of Intravenous Sildenafil in Two Subjects with Childâ€ºTurcotteâ€ºPugh Class C Cirrhosis and Renal Dysfunction. <i>Digestive Diseases and Sciences</i> , 2015, 60, 3491-3494.	1.1	1
89	Small bowel obstruction postâ€ºliving liver transplantation. <i>American Journal of Transplantation</i> , 2021, 21, 898-900.	2.6	1
90	Donor Nephrectomy. , 2014, , 118-129.		1

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91	Reconstructive Transplantation: What Can We Learn from Solid Organ Transplantation?. Pancreatic Islet Biology, 2015, , 33-44.	0.1	1
92	Lost in translation? Microchimerism detection in experimental and clinical transplantation. Chimerism, 2015, 6, 51-53.	0.7	0
93	Previous living donor hemihepatectomy as cadaveric donor of remnant liver. Liver Transplantation, 2017, 23, 1348-1350.	1.3	0
94	Donor Nephrectomy. , 2019, , 115-127.		0
95	Financial incentives versus standard of care to improve patient compliance with live kidney donor follow-up: protocol for a multi-center, parallel-group randomized controlled trial. BMC Nephrology, 2020, 21, 465.	0.8	0
96	Vascularized Bone Marrow Cellular Depletion or Discontinuity Abrogates Protection of Vascularized Composite Allografts in Nonhuman Primates. Transplantation Direct, 2021, 7, e659.	0.8	0
97	Transplant Hepatectomy With Portacaval Shunt and MARS Therapy for Perioperative Catastrophe: A Series of Four Liver Transplant Cases. Transplantation Direct, 2021, 7, e674.	0.8	0
98	Experimental Studies in Face Transplantation: Primate Model. , 2011, , 63-71.		0
99	Alcoholic Cirrhosis, Transplantation, and Recurrence of Disease. , 2016, , 105-120.		0