David K C Cooper

List of Publications by Year
in descending order

428 papers	18,167 citations	11608 70 h-index	24179 110 g-index
437 all docs	437 docs citations	437 times ranked	6524 citing authors

#	Article	IF	Citations
1	Heart transplantation in baboons using Î±1,3-galactosyltransferase gene-knockout pigs as donors: initial experience. Nature Medicine, 2005, 11, 29-31.	15.2	645
2	Marked prolongation of porcine renal xenograft survival in baboons through the use of Î±1,3-galactosyltransferase gene-knockout donors and the cotransplantation of vascularized thymic tissue. Nature Medicine, 2005, 11, 32-34.	15.2	560
3	CARBOHYDRATE ANTIGENS OF PIG TISSUES REACTING WITH HUMAN NATURAL ANTIBODIES AS POTENTIAL TARGETS FOR HYPERACUTE VASCULAR REJECTION IN PIG-TO-MAN ORGAN XENOTRANSPLANTATION1. Transplantation, 1993, 56, 1433-1442.	0.5	379
4	Clinical xenotransplantation: the next medical revolution?. Lancet, The, 2012, 379, 672-683.	6.3	319
5	Acute rejection is associated with antibodies to non-Gal antigens in baboons using Gal-knockout pig kidneys. Nature Medicine, 2005, 11, 1295-1298.	15.2	312
6	Will the Pig Solve the Transplantation Backlog?. Annual Review of Medicine, 2002, 53, 133-147.	5.0	267
7	Oligosaccharides and Discordant Xenotransplantation. Immunological Reviews, 1994, 141, 31-58.	2.8	249
8	CHANGE FROM AEROBIC TO ANAEROBIC METABOLISM AFTER BRAIN DEATH, AND REVERSAL FOLLOWING TRIIODOTHYRONINE THERAPY. Transplantation, 1988, 45, 32-36.	0.5	246
9	DISCORDANT ORGAN XENOTRANSPLANTATION IN PRIMATES. Transplantation, 1998, 66, 547-561.	0.5	208
10	The role of genetically engineered pigs in xenotransplantation research. Journal of Pathology, 2016, 238, 288-299.	2.1	184
11	Pig kidney graft survival in a baboon for 136Âdays: longest lifeâ€supporting organ graft survival to date. Xenotransplantation, 2015, 22, 302-309.	1.6	180
12	Î±1,3-Galactosyltransferase Gene-Knockout Pig Heart Transplantation in Baboons with Survival Approaching 6 Months. Transplantation, 2005, 80, 1493-1500.	0.5	178
13	Selected physiologic compatibilities and incompatibilities between human and porcine organ systems. Xenotransplantation, 2006, 13, 488-499.	1.6	175
14	Immunological and physiological observations in baboons with lifeâ€supporting genetically engineered pig kidney grafts. Xenotransplantation, 2017, 24, e12293.	1.6	174
15	Hormonal Therapy of the Brain-Dead Organ Donor: Experimental and Clinical Studies. Transplantation, 2006, 82, 1396-1401.	0.5	169
16	Rapid loss of intraportally transplanted islets: an overview of pathophysiology and preventive strategies. Xenotransplantation, 2007, 14, 288-297.	1.6	161
17	PORCINE KIDNEY AND HEART TRANSPLANTATION IN BABOONS UNDERGOING A TOLERANCE INDUCTION REGIMEN AND ANTIBODY ADSORPTION1. Transplantation, 1999, 67, 18-30.	0.5	155
18	Disordered regulation of coagulation and platelet activation in xenotransplantation. Xenotransplantation, 2000, 7, 166-176.	1.6	154

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19	Xenoantigens and xenoantibodies. Xenotransplantation, 1998, 5, 6-17.	1.6	147
20	Effect of the Î±Gal Epitope on the Response to Small Intestinal Submucosa Extracellular Matrix in a Nonhuman Primate Model. Tissue Engineering - Part A, 2009, 15, 3877-3888.	1.6	142
21	Xenograft bioprosthetic heart valves: Past, present and future. International Journal of Surgery, 2015, 23, 280-284.	1.1	136
22	The Innate Immune Response and Activation of Coagulation in Î±1,3-Galactosyltransferase Gene-Knockout Xenograft Recipients. Transplantation, 2009, 87, 805-812.	0.5	135
23	Thrombotic Microangiopathy Associated with Humoral Rejection of Cardiac Xenografts from Î±1,3-Galactosyltransferase Gene-Knockout Pigs in Baboons. American Journal of Pathology, 2008, 172, 1471-1481.	1.9	132
24	Suppression of Natural and Elicited Antibodies in Pig-to-Baboon Heart Transplantation Using a Human Anti-Human CD154 mAb-Based Regimen. American Journal of Transplantation, 2004, 4, 363-372.	2.6	129
25	INTRAVENOUS INFUSION OF Gal??1-3Gal OLIGOSACCHARIDES IN BABOONS DELAYS HYPERACUTE REJECTION OF PORCINE HEART XENOGRAFTS. Transplantation, 1998, 65, 346-353.	0.5	127
26	Current status of xenotransplantation and prospects for clinical application. Xenotransplantation, 2009, 16, 263-280.	1.6	126
27	Thrombotic microangiopathy and graft arteriopathy in pig hearts following transplantation into baboons. Xenotransplantation, 2004, 11, 416-425.	1.6	125
28	DISSEMINATED INTRAVASCULAR COAGULATION IN ASSOCIATION WITH THE DELAYED REJECTION OF PIG-TO-BABOON RENAL XENOGRAFTS. Transplantation, 1998, 66, 1439-1450.	0.5	125
29	Production and characterization of transgenic pigs expressing porcine CTLA4â€Ig. Xenotransplantation, 2009, 16, 477-485.	1.6	124
30	A Brief History of Cross-Species Organ Transplantation. Baylor University Medical Center Proceedings, 2012, 25, 49-57.	0.2	122
31	Xenotransplantation of solid organs in the pig-to-primate model. Transplant Immunology, 2009, 21, 87-92.	0.6	121
32	Progress in pigâ€toâ€nonâ€human primate transplantation models (1998â€“2013): a comprehensive review of the literature. Xenotransplantation, 2014, 21, 397-419.	1.6	121
33	Xenotransplantation-The Future of Corneal Transplantation?. Cornea, 2011, 30, 371-378.	0.9	120
34	Clinical Islet Xenotransplantation. Diabetes, 2012, 61, 3046-3055.	0.3	117
35	The pathobiology of pigâ€toâ€primate xenotransplantation: a historical review. Xenotransplantation, 2016, 23, 83-105.	1.6	117
36	Depletion of antiâ€Galî±1â€“3Gal antibody in baboons by specific Î±â€Gal immunoaffinity columns. Xenotransplantation, 1998, 5, 122-131.	1.6	116

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37	Activation of Cytomegalovirus in Pig-to-Primate Organ Xenotransplantation. Journal of Virology, 2002, 76, 4734-4740.	1.5	116
38	Justification of specific genetic modifications in pigs for clinical organ xenotransplantation. Xenotransplantation, 2019, 26, e12516.	1.6	115
39	Carbohydrates in xenotransplantation. Immunology and Cell Biology, 2005, 83, 396-404.	1.0	113
40	Inotropic Effect of Triiodothyronine Following Myocardial Ischemia and Cardiopulmonary Bypass: An Experimental Study in Pigs. Annals of Thoracic Surgery, 1988, 45, 50-55.	0.7	111
41	Systemic inflammation in xenograft recipients precedes activation of coagulation. Xenotransplantation, 2015, 22, 32-47.	1.6	108
42	Do mesenchymal stem cells function across species barriers? Relevance for xenotransplantation. Xenotransplantation, 2012, 19, 273-285.	1.6	102
43	PROTECTION OF PIG KIDNEY (PK15) CELLS FROM THE CYTOTOXIC EFFECT OF ANTI-PIG ANTIBODIES BY Î±-GALACTOSYL OLIGOSACCHARIDES1. Transplantation, 1994, 57, 959-963.	0.5	100
44	Recipient Tissue Factor Expression Is Associated With Consumptive Coagulopathy in Pigâ€toâ€Primate Kidney Xenotransplantation. American Journal of Transplantation, 2010, 10, 1556-1568.	2.6	100
45	Human dominantâ€negative class <scp>II</scp> transactivator transgenic pigsÂâ€“ effect on the human antiâ€pig <scp>T</scp>â€cell immune response and immune status. Immunology, 2013, 140, 39-46.	2.0	96
46	The Choice of Anatomical Site for Islet Transplantation. Cell Transplantation, 2008, 17, 1005-1014.	1.2	95
47	Pigâ€toâ€baboon heterotopic heart transplantation â€“ exploratory preliminary experience with pigs transgenic for human thrombomodulin and comparison of three costimulation blockadeâ€based regimens. Xenotransplantation, 2015, 22, 211-220.	1.6	95
48	In vitroinvestigation of pig cells for resistance to human antibody-mediated rejection. Transplant International, 2008, 21, 1163-1174.	0.8	94
49	Executive summary. Xenotransplantation, 2009, 16, 196-202.	1.6	94
50	Allosensitized humans are at no greater risk of humoral rejection of GT-KO pig organs than other humans. Xenotransplantation, 2006, 13, 357-365.	1.6	93
51	Thyroid Hormone Therapy in the Management of 63,593 Brain-Dead Organ Donors. Transplantation, 2014, 98, 1119-1127.	0.5	93
52	Overcoming the barriers to xenotransplantation: prospects for the future. Expert Review of Clinical Immunology, 2010, 6, 219-230.	1.3	90
53	Acute Humoral Xenograft Rejection: Destruction of the Microvascular Capillary Endothelium in Pig-to-Nonhuman Primate Renal Grafts. Laboratory Investigation, 2000, 80, 815-830.	1.7	88
54	Porcine cytomegalovirus and coagulopathy in pig-to-primate xenotransplantation1. Transplantation, 2003, 75, 1841-1847.	0.5	88

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55	ACUTE VASCULAR REJECTION OF XENOGRAFTS: ROLES OF NATURAL AND ELICITED XENOREACTIVE ANTIBODIES IN ACTIVATION OF VASCULAR ENDOTHELIAL CELLS AND INDUCTION OF PROCOAGULANT ACTIVITY. Transplantation, 2004, 77, 1735-1741.	0.5	84
56	The need for xenotransplantation as a source of organs and cells for clinical transplantation. International Journal of Surgery, 2015, 23, 199-204.	1.1	84
57	Xenotransplantation. Advances in Immunology, 2001, 79, 129-223.	1.1	83
58	Î±1,3-Galactosyltransferase Gene-Knockout Pigs for Xenotransplantation: Where Do We Go From Here?. Transplantation, 2007, 84, 1-7.	0.5	83
59	Immunobiological barriers to xenotransplantation. International Journal of Surgery, 2015, 23, 211-216.	1.1	83
60	Progress in Clinical Encapsulated Islet Xenotransplantation. Transplantation, 2016, 100, 2301-2308.	0.5	83
61	Xenotransplantation. Current Opinion in Organ Transplantation, 2017, 22, 513-521.	0.8	82
62	The problem of anti-pig antibodies in pig-to-primate xenografting: current and novel methods of depletion and/or suppression of production of anti-pig antibodies. Xenotransplantation, 1999, 6, 157-168.	1.6	80
63	Bioprosthetic heart valves of the future. Xenotransplantation, 2014, 21, 1-10.	1.6	79
64	Early graft failure of GalTKO pig organs in baboons is reduced by expression of a human complement pathwayâ€regulatory protein. Xenotransplantation, 2015, 22, 310-316.	1.6	79
65	A brief history of clinical xenotransplantation. International Journal of Surgery, 2015, 23, 205-210.	1.1	78
66	Î±1,3-Galactosyltransferase Gene-Knockout Miniature Swine Produce Natural Cytotoxic Anti-Gal Antibodies. Transplantation, 2004, 78, 15-20.	0.5	77
67	ANTI-Gal??1-3Gal ANTIBODY RESPONSE TO PORCINE BONE MARROW IN UNMODIFIED BABOONS AND BABOONS CONDITIONED FOR TOLERANCE INDUCTION1. Transplantation, 1998, 66, 176-182.	0.5	77
68	Isolation outcome and functional characteristics of young and adult pig pancreatic islets for transplantation studies. Xenotransplantation, 2007, 14, 74-82.	1.6	76
69	Reduction of Consumptive Coagulopathy Using Porcine Cytomegalovirus-Free Cardiac Porcine Grafts in Pig-to-Primate Xenotransplantation. Transplantation, 2004, 78, 1449-1453.	0.5	75
70	Reduction of Early Graft Loss After Intraportal Porcine Islet Transplantation in Monkeys. Transplantation, 2007, 83, 202-210.	0.5	75
71	Corneal blindness and xenotransplantation. Xenotransplantation, 2014, 21, 99-114.	1.6	75
72	Life-supporting Kidney Xenotransplantation From Genetically Engineered Pigs in Baboons: A Comparison of Two Immunosuppressive Regimens. Transplantation, 2019, 103, 2090-2104.	0.5	74

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73	Skin xenotransplantation: Historical review and clinical potential. Burns, 2018, 44, 1738-1749.	1.1	73
74	Xenogeneic thymokidney and thymic tissue transplantation in a pig-to-baboon model: I. evidence for pig-specific T-cell unresponsiveness1. Transplantation, 2003, 75, 1615-1624.	0.5	72
75	Endoscopic Gastric Submucosal Transplantation of Islets (ENDO-STI): Technique and Initial Results in Diabetic Pigs. American Journal of Transplantation, 2009, 9, 2485-2496.	2.6	72
76	Reducing immunoreactivity of porcine bioprosthetic heart valves by genetically-deleting three major glycan antigens, GGTA1/Î²4GalNT2/CMAH. Acta Biomaterialia, 2018, 72, 196-205.	4.1	72
77	Allosensitization Does Not Increase the Risk of Xenoreactivity to ??1,3-Galactosyltransferase Gene-Knockout Miniature Swine in Patients on Transplantation Waiting Lists. Transplantation, 2006, 82, 314-319.	0.5	71
78	Investigation of potential carbohydrate antigen targets for human and baboon antibodies. Xenotransplantation, 2010, 17, 197-206.	1.6	71
79	Detection, immunoabsorption, and inhibition of cytotoxic activity of antiâ€Î±Gal antibodies using newly developed substances with synthetic Gal Î±1â€“3Gal disaccharide epitopes. Xenotransplantation, 1995, 2, 98-106.	1.6	70
80	Coagulation dysregulation as a barrier to xenotransplantation in the primate. Transplant Immunology, 2009, 21, 75-80.	0.6	70
81	Antibodies directed to pig non-Gal antigens in naÃ¯ve and sensitized baboons. Xenotransplantation, 2006, 13, 400-407.	1.6	68
82	Old World Monkeys are less than ideal transplantation models for testing pig organs lacking three carbohydrate antigens (Triple-Knockout). Scientific Reports, 2020, 10, 9771.	1.6	68
83	Expression of Tissue Factor and Initiation of Clotting by Human Platelets and Monocytes After Incubation With Porcine Endothelial Cells. Transplantation, 2008, 86, 702-709.	0.5	67
84	Report from IPITA-TTS Opinion Leaders Meeting on the Future of Î²-Cell Replacement. Transplantation, 2016, 100, S1-S44.	0.5	66
85	Venular thrombosis is the key event in the pathogenesis of antibody-mediated cardiac rejection. Xenotransplantation, 2000, 7, 31-41.	1.6	64
86	Hepatic Function After Genetically Engineered Pig Liver Transplantation in Baboons. Transplantation, 2010, 90, 483-493.	0.5	64
87	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetesâ€"Executive summary. Xenotransplantation, 2016, 23, 3-13.	1.6	64
88	Pharmacologic immunosuppressive therapy and extracorporeal immunoadsorption in the suppression of antiâ€Î±Gal antibody in the baboon. Xenotransplantation, 1998, 5, 274-283.	1.6	62
89	Activation of Porcine Cytomegalovirus, but Not Porcine Lymphotropic Herpesvirus, in Pigâ€toâ€Baboon Xenotransplantation. Journal of Infectious Diseases, 2004, 189, 1628-1633.	1.9	60
90	Clinical lung xenotransplantation â€“ what donor genetic modifications may be necessary?. Xenotransplantation, 2012, 19, 144-158.	1.6	60

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91	Pig-to-Primate Islet Xenotransplantation: Past, Present, and Future. Cell Transplantation, 2017, 26, 925-947.	1.2	60
92	Effects of specific anti-B and/or anti-plasma cell immunotherapy on antibody production in baboons: depletion of CD20- and CD22-positive B cells does not result in significantly decreased production of â€¨anti-Î±Gal antibody. Xenotransplantation, 2001, 8, 157-171.	1.6	59
93	Selection of Patients for Initial Clinical Trials of Solid Organ Xenotransplantation. Transplantation, 2017, 101, 1551-1558.	0.5	59
94	Regulation of human platelet aggregation by genetically modified pig endothelial cells and thrombin inhibition. Xenotransplantation, 2014, 21, 72-83.	1.6	58
95	Chapter 4: Preâ€clinical efficacy and complication data required to justify a clinical trial. Xenotransplantation, 2009, 16, 229-238.	1.6	57
96	Regulation of Clinical Xenotransplantationâ€”Time for a Reappraisal. Transplantation, 2017, 101, 1766-1769.	0.5	57
97	Variability of antiâ€Î±Gal antibodies in human serum and their relation to serum cytotoxicity against pig cells. Xenotransplantation, 1994, 1, 58-65.	1.6	56
98	Anti-GalÎ±1-3Gal IgM and IgG antibody levels in sera of humans and old world non-human primates. Xenotransplantation, 2002, 9, 148-154.	1.6	56
99	Early Islet Damage after Direct Exposure of Pig Islets to Blood: Has Humoral Immunity Been Underestimated?. Cell Transplantation, 2012, 21, 1791-1802.	1.2	56
100	Jewish, Christian and Muslim theological perspectives about xenotransplantation. Xenotransplantation, 2018, 25, e12400.	1.6	56
101	ABO-incompatible organ and bone marrow transplantation: current status. Transplant International, 2003, 16, 291-299.	0.8	55
102	The immunology of corneal xenotransplantation: a review of the literature. Xenotransplantation, 2010, 17, 338-349.	1.6	55
103	Islet xenotransplantation: what is the optimal age of the isletâ€source pig?. Xenotransplantation, 2015, 22, 7-19.	1.6	55
104	Human ILâ€6, <scp>IL</scp>â€17, <scp>IL</scp>â€1Î², and <scp>TNF</scp>â€Î± differently regulate the expression of proâ€inflammatory related genes, tissue factor, and swine leukocyte antigen class I in porcine aortic endothelial cells. Xenotransplantation, 2017, 24, e12291.	1.6	54
105	CLEARANCE OF MOBILIZED PORCINE PERIPHERAL BLOOD PROGENITOR CELLS IS DELAYED BY DEPLETION OF THE PHAGOCYTIC RETICULOENDOTHELIAL SYSTEM IN BABOONS1. Transplantation, 2001, 72, 1278-1285.	0.5	53
106	Reduced Efficacy of Ganciclovir Against Porcine and Baboon Cytomegalovirus in Pig-to-Baboon Xenotransplantation. American Journal of Transplantation, 2003, 3, 1057-1064.	2.6	53
107	Late onset of development of natural anti-nonGal antibodies in infant humans and baboons: implications for xenotransplantation in infants. Transplant International, 2007, 20, 1050-1058.	0.8	53
108	Initial in vivo experience of pig artery patch transplantation in baboons using mutant MHC (CIITA-DN) pigs. Transplant Immunology, 2015, 32, 99-108.	0.6	53

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109	Anti-CD154 monoclonal antibody and thromboembolism revisited. Transplantation, 2002, 74, 416.	0.5	53
110	Costimulation blockade in pig artery patch xenotransplantation â€“ a simple model to monitor the adaptive immune response in nonhuman primates. Xenotransplantation, 2012, 19, 221-232.	1.6	52
111	Suppressive Efficacy and Proliferative Capacity of Human Regulatory T Cells in Allogeneic and Xenogeneic Responses. Transplantation, 2008, 86, 1452-1462.	0.5	51
112	Pig Liver Xenotransplantation as a Bridge to Allotransplantation: Which Patients Might Benefit?. Transplantation, 2009, 88, 1041-1049.	0.5	50
113	The effect of Gal expression on pig cells on the human Tâ€cell xenoresponse. Xenotransplantation, 2012, 19, 56-63.	1.6	50
114	Early weaning of piglets fails to exclude porcine lymphotropic herpesvirus. Xenotransplantation, 2005, 12, 59-62.	1.6	49
115	Monomorphic and polymorphic carbohydrate antigens on pig tissues: implications for organ xenotransplantation in the pig-to-human model. Transplant International, 1994, 7, 405-413.	0.8	48
116	Primitive hematopoietic cell populations reside in the spleen: Studies in the pig, baboon, and human. Experimental Hematology, 2006, 34, 1573-1582.	0.2	48
117	Clinical Pig Kidney Xenotransplantation: How Close Are We?. Journal of the American Society of Nephrology: JASN, 2020, 31, 12-21.	3.0	48
118	Anti-Gal, Î±-Gal Epitopes, and Xenotransplantation. , 1999, 32, 229-257.		48
119	Porcine Hematopoietic Progenitor Cell Transplantation in Nonhuman Primates: A Review of Progress. Transplantation, 2005, 79, 1-9.	0.5	47
120	Initial In Vitro Investigation of the Human Immune Response to Corneal Cells from Genetically Engineered Pigs. , 2011, 52, 5278.		47
121	Thyroid hormone and the stunned myocardium. Journal of Endocrinology, 2014, 223, R1-R8.	1.2	47
122	Further evidence for sustained systemic inflammation in xenograft recipients (<scp>SIXR</scp>). Xenotransplantation, 2015, 22, 399-405.	1.6	47
123	The Role of Costimulation Blockade in Solid Organ and Islet Xenotransplantation. Journal of Immunology Research, 2017, 2017, 1-11.	0.9	47
124	Intravenous synthetic Î±gal saccharides delay hyperacute rejection following pigâ€toâ€baboon heart transplantation. Xenotransplantation, 1999, 6, 36-42.	1.6	46
125	Inhibition of platelet aggregation in baboons: therapeutic implications for xenotransplantation. Xenotransplantation, 2000, 7, 247-257.	1.6	45
126	Production of Î±1,3-galactosyltransferase and cytidine monophosphate-N-acetylneuraminic acid hydroxylase gene double-deficient pigs by CRISPR/Cas9 and handmade cloning. Journal of Reproduction and Development, 2017, 63, 17-26.	0.5	45

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127	Incidence and cytotoxicity of antibodies in cynomolgus monkeys directed to nonGal antigens, and their relevance for experimental models. Transplant International, 2006, 19, 158-165.	0.8	44
128	Pig Liver Xenotransplantation. Transplantation, 2016, 100, 2039-2047.	0.5	44
129	Renal xenotransplantation: experimental progress and clinical prospects. Kidney International, 2017, 91, 790-796.	2.6	44
130	TRANSFER OF SWINE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II GENES INTO AUTOLOGOUS BONE MARROW CELLS OF BABOONS FOR THE INDUCTION OF TOLERANCE ACROSS XENOGENEIC BARRIERS. Transplantation, 1999, 67, 1119-1128.	0.5	44
131	New Concepts of Immune Modulation in Xenotransplantation. Transplantation, 2013, 96, 937-945.	0.5	43
132	Initial in vitro studies on tissues and cells from GTKO/CD46/NeuGcKO pigs. Xenotransplantation, 2016, 23, 137-150.	1.6	43
133	Physiologic Aspects of Pig Kidney Transplantation in Nonhuman Primates. Comparative Medicine, 2018, 68, 332-340.	0.4	43
134	Correlation of Biochemical and Hematological Changes with Graft Failure Following Pig Heart and Kidney Transplantation in Baboons. American Journal of Transplantation, 2003, 3, 1510-1519.	2.6	42
135	Progress in xenotransplantation following the introduction of gene-knockout technology. Transplant International, 2007, 20, 107-17.	0.8	42
136	Comparison of hematologic, biochemical, and coagulation parameters in Î±1,3â€galactosyltransferase geneâ€knockout pigs, wildâ€type pigs, and four primate species. Xenotransplantation, 2012, 19, 342-354.	1.6	42
137	Anti-Neu5Gc and anti-non-Neu5Gc antibodies in healthy humans. PLoS ONE, 2017, 12, e0180768.	1.1	42
138	Circulating Organ-Specific MicroRNAs Serve as Biomarkers in Organ-Specific Diseases: Implications for Organ Allo- and Xeno-Transplantation. International Journal of Molecular Sciences, 2016, 17, 1232.	1.8	41
139	Decellularization methods for developing porcine corneal xenografts and future perspectives. Xenotransplantation, 2019, 26, e12564.	1.6	41
140	MECHANISMS OF THROMBOTIC MICROANGIOPATHY FOLLOWING XENOGENEIC HEMATOPOIETIC PROGENITOR CELL TRANSPLANTATION1. Transplantation, 2001, 71, 1601-1609.	0.5	39
141	Safe Induction of Diabetes by High-Dose Streptozotocin in Pigs. Pancreas, 2008, 36, 31-38.	0.5	38
142	Antiâ€gal antibodies in Î±1,3â€galactosyltransferase geneâ€knockout pigs. Xenotransplantation, 2012, 19, 305-310.	1.6	38
143	Kidney xenotransplantation. Kidney International, 2014, 85, 265-275.	2.6	38
144	Is sensitization to pig antigens detrimental to subsequent allotransplantation?. Xenotransplantation, 2018, 25, e12393.	1.6	38

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145	Carbohydrate antigen expression and antiâ€pig antibodies in New World capuchin monkeys: Relevance to studies of xenotransplantation. Xenotransplantation, 2019, 26, e12498.	1.6	38
146	The Case for Cardiac Xenotransplantation in Neonates: Is Now the Time to Reconsider Xenotransplantation for Hypoplastic Left Heart Syndrome?. Pediatric Cardiology, 2019, 40, 437-444.	0.6	38
147	The immense potential of xenotransplantation in surgery. International Journal of Surgery, 2011, 9, 122-129.	1.1	37
148	The Potential of the Combination of CRISPR/Cas9 and Pluripotent Stem Cells to Provide Human Organs from Chimaeric Pigs. International Journal of Molecular Sciences, 2015, 16, 6545-6556.	1.8	37
149	Recent advances in understanding xenotransplantation: implications for the clinic. Expert Review of Clinical Immunology, 2015, 11, 1379-1390.	1.3	37
150	Overcoming Coagulation Dysregulation in Pig Solid Organ Transplantation in Nonhuman Primates. Transplantation, 2018, 102, 1050-1058.	0.5	37
151	Pig kidney xenotransplantation: Progress toward clinical trials. Clinical Transplantation, 2021, 35, e14139.	0.8	37
152	Elicited Antibodies in Baboons Exposed to Tissues from ??1,3-Galactosyltransferase Gene-Knockout Pigs. Transplantation, 2006, 81, 1058-1062.	0.5	36
153	Glucose metabolism in pigs expressing human genes under an insulin promoter. Xenotransplantation, 2015, 22, 70-79.	1.6	36
154	Systemic inflammation in xenograft recipients (SIXR): A new paradigm in pig-to-primate xenotransplantation?. International Journal of Surgery, 2015, 23, 301-305.	1.1	36
155	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetesâ€"Chapter 4: preâ€clinical efficacy and complication data required to justify a clinical trial. Xenotransplantation, 2016, 23, 46-52.	1.6	36
156	Therapeutic regulation of systemic inflammation in xenograft recipients. Xenotransplantation, 2017, 24, e12296.	1.6	36
157	Perspectives on the Optimal Genetically Engineered Pig in 2018 for Initial Clinical Trials of Kidney or Heart Xenotransplantation. Transplantation, 2018, 102, 1974-1982.	0.5	36
158	Genetically-Engineered Pig-to-Baboon Liver Xenotransplantation: Histopathology of Xenografts and Native Organs. PLoS ONE, 2012, 7, e29720.	1.1	35
159	Distribution of Non-Gal Antigens in Pig Cornea. Cornea, 2014, 33, 390-397.	0.9	35
160	Heart Transplantation: The Contributions of Christiaan Barnard and the University of Cape Town/Groote Schuur Hospital. World Journal of Surgery, 2005, 29, 953-961.	0.8	34
161	Induction of Diabetes in Cynomolgus Monkeys With High-dose Streptozotocin. Pancreas, 2006, 33, 287-292.	0.5	34
162	Liver xenografts for the treatment of acute liver failure: Clinical and experimental experience and remaining immunologic barriers. Liver Transplantation, 2008, 14, 425-434.	1.3	34

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163	Insulin secretion and glucose metabolism in alpha 1,3â€galactosyltransferase knockâ€out pigs compared to wildâ€type pigs. Xenotransplantation, 2010, 17, 131-139.	1.6	34
164	The role of platelets in coagulation dysfunction in xenotransplantation, and therapeutic options. Xenotransplantation, 2014, 21, 201-220.	1.6	34
165	Human antibody recognition of xenogeneic antigens (NeuGc and Gal) on porcine heart valves: could genetically modified pig heart valves reduce structural valve deterioration?. Xenotransplantation, 2016, 23, 370-380.	1.6	34
166	The final obstacle to successful preâ€clinical xenotransplantation?. Xenotransplantation, 2020, 27, e12596.	1.6	34
167	Potential pathological role of proâ€inflammatory cytokines (ILâ€6, TNFâ€Î±, and ILâ€17) in xenotransplantation. Xenotransplantation, 2019, 26, e12502.	1.6	33
168	Metaâ€analysis of public perception toward xenotransplantation. Xenotransplantation, 2020, 27, e12583.	1.6	33
169	A comparison of three methods of decellularization of pig corneas to reduce immunogenicity. International Journal of Ophthalmology, 2014, 7, 587-93.	0.5	33
170	Genetically engineered pig red blood cells for clinical transfusion: initial in vitro studies. Transfusion, 2009, 49, 2418-2429.	0.8	32
171	Clinical pig liver xenotransplantation: how far do we have to go?. Xenotransplantation, 2011, 18, 158-167.	1.6	32
172	Heart Xenotransplantation: Historical Background, Experimental Progress, and Clinical Prospects. Annals of Thoracic Surgery, 2016, 101, 1605-1613.	0.7	32
173	Evidence for the important role of inflammation in xenotransplantation. Journal of Inflammation, 2019, 16, 10.	1.5	32
174	The complex functioning of the complement system in xenotransplantation. Xenotransplantation, 2019, 26, e12517.	1.6	32
175	Recent advances in pig-to-human organ and cell transplantation. Expert Opinion on Biological Therapy, 2008, 8, 1-4.	1.4	31
176	The International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of xenocorneal transplantation. Xenotransplantation, 2014, 21, 420-430.	1.6	31
177	Modifying the sugar icing on the transplantation cake. Glycobiology, 2016, 26, 571-581.	1.3	31
178	Safe use of antiâ€<scp>CD</scp>154 monoclonal antibody in pig islet xenotransplantation in monkeys. Xenotransplantation, 2017, 24, e12283.	1.6	31
179	Episodes of hypovolemia/dehydration in baboons with pig kidney transplants: A new syndrome of clinical importance?. Xenotransplantation, 2019, 26, e12472.	1.6	31
180	SERUM CYTOTOXICITY TO PIG CELLS AND ANTI-??GAL ANTIBODY LEVEL AND SPECIFICITY IN HUMANS AND BABOONS. Transplantation, 1999, 67, 658-665.	0.5	31

#	Article	IF	Citations
181	The potential of genetically-engineered pigs in providing an alternative source of organs and cells for transplantation. Journal of Biomedical Research, 2013, 27, 249.	0.7	31
182	An Investigation of Extracellular Histones in Pig-To-Baboon Organ Xenotransplantation. Transplantation, 2017, 101, 2330-2339.	0.5	30
183	Attitudes toward xenotransplantation: A survey of parents and pediatric cardiac providers. Pediatric Transplantation, 2021, 25, e13851.	0.5	30
184	The Genetically Engineered Heart as a Bridge to Allotransplantation in Infants Just Around the Corner?. Annals of Thoracic Surgery, 2022, 114, 536-544.	0.7	30
185	Geneticallyâ€modified pig mesenchymal stromal cells: xenoantigenicity and effect on human Tâ€cell xenoresponses. Xenotransplantation, 2011, 18, 183-195.	1.6	28
186	Adipose-derived mesenchymal stromal cells from genetically modified pigs: immunogenicity and immune modulatory properties. Cytotherapy, 2012, 14, 494-504.	0.3	28
187	The Sda and Cad glycan antigens and their glycosyltransferase, Î²1,4Gal<scp>NA</scp>cTâ€<scp>II</scp>, in xenotransplantation. Xenotransplantation, 2018, 25, e12386.	1.6	28
188	What Therapeutic Regimen Will Be Optimal for Initial Clinical Trials of Pig Organ Transplantation?. Transplantation, 2021, 105, 1143-1155.	0.5	28
189	The reducing end of Î±Gal oligosaccharides contributes to their efficiency in blocking natural antibodies of human and baboon sera. Transplant International, 1996, 9, 98-101.	0.8	27
190	Transgenic expression of human <scp>CD</scp>46: does it reduce the primate Tâ€cell response to pig endothelial cells?. Xenotransplantation, 2015, 22, 487-489.	1.6	27
191	A review of pig liver xenotransplantation: Current problems and recent progress. Xenotransplantation, 2019, 26, e12497.	1.6	27
192	Posttransplant Lymphoproliferative Disease After Allogeneic Transplantation of the Spleen in Miniature Swine. Transplantation, 2004, 78, 286-291.	0.5	26
193	Gene Expression of Porcine Lymphotrophic Herpesvirus-1 in Miniature Swine with Posttransplant Lymphoproliferative Disorder. Transplantation, 2007, 83, 87-90.	0.5	26
194	Technique of Endoscopic Biopsy of Islet Allografts Transplanted into the Gastric Submucosal Space in Pigs. Cell Transplantation, 2013, 22, 2335-2344.	1.2	26
195	Porcine <scp>IL</scp>â€6, <scp>IL</scp>â€1Î², and <scp>TNF</scp>â€Î± regulate the expression of proâ€inflammatoryâ€related genes and tissue factor in human umbilical vein endothelial cells. Xenotransplantation, 2018, 25, e12408.	1.6	26
196	Factors influencing attitudes toward xenotransplantation clinical trials: A report of focus group studies. Xenotransplantation, 2021, 28, e12684.	1.6	26
197	Genetically engineered pig kidney transplantation in a brainâ€dead human subject. Xenotransplantation, 2021, 28, e12718.	1.6	26
198	Extended coagulation profiles of healthy baboons and of baboons rejecting GT-KO pig heart grafts. Xenotransplantation, 2006, 13, 522-528.	1.6	25

#	Article	IF	Citations
199	Non-Human Primate Regulatory T Cells: Current Biology and Implications for Transplantation. Transplantation, 2010, 90, 811-816.	0.5	25
200	Thrombocytopenia after pigâ€toâ€baboon liver xenotransplantation: where do platelets go?. Xenotransplantation, 2011, 18, 320-327.	1.6	25
201	T-Cell-Based Immunosuppressive Therapy Inhibits the Development of Natural Antibodies in Infant Baboons. Transplantation, 2012, 93, 769-776.	0.5	25
202	Increased Soluble CD154 (CD40 Ligand) Levels in Xenograft Recipients Correlate With the Development of De Novo Anti-Pig IgG Antibodies. Transplantation, 2014, 97, 502-508.	0.5	25
203	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetesâ€"Chapter 2b: genetically modified source pigs. Xenotransplantation, 2016, 23, 32-37.	1.6	25
204	Growth hormone receptor knockout: Relevance to xenotransplantation. Xenotransplantation, 2021, 28, e12652.	1.6	25
205	Suggested Patient Selection Criteria for Initial Clinical Trials of Pig Kidney Xenotransplantation in the United States. Transplantation, 2021, 105, 1904-1908.	0.5	25
206	Reducing Gal expression on the pig organ - a retrospective review. Xenotransplantation, 2005, 12, 278-285.	1.6	24
207	Immune Responses of HLA Highly Sensitized and Nonsensitized Patients to Genetically Engineered Pig Cells. Transplantation, 2018, 102, e195-e204.	0.5	24
208	The Role of SLAs in Xenotransplantation. Transplantation, 2021, 105, 300-307.	0.5	24
209	Xenogeneic thymus transplantation in a pig-to-baboon model1. Transplantation, 2003, 75, 282-291.	0.5	23
210	Atorvastatin Down-Regulates the Primate Cellular Response to Porcine Aortic Endothelial Cells In Vitro. Transplantation, 2008, 86, 733-737.	0.5	23
211	Relative efficiency of porcine and human cytotoxic T-lymphocyte antigen 4 immunoglobulin in inhibiting human CD4+ T-cell responses co-stimulated by porcine and human B7 molecules. Immunology, 2011, 134, 386-397.	2.0	23
212	The Potential Role of Genetically-Modified Pig Mesenchymal Stromal Cells in Xenotransplantation. Stem Cell Reviews and Reports, 2014, 10, 79-85.	5.6	23
213	The case for xenotransplantation. Clinical Transplantation, 2015, 29, 288-293.	0.8	23
214	Anti-Pig Antibody in Infants: Can a Genetically Engineered Pig Heart Bridge to Allotransplantation?. Annals of Thoracic Surgery, 2020, 109, 1268-1273.	0.7	23
215	Is interleukin-6 receptor blockade (tocilizumab) beneficial or detrimental to pig-to-baboon organ xenotransplantation?. American Journal of Transplantation, 2020, 20, 999-1013.	2.6	23
216	Evidence suggesting that deletion of expression of Nâ€glycolylneuraminic acid (Neu5Gc) in the organâ€source pig is associated with increased antibodyâ€mediated rejection of kidney transplants in baboons. Xenotransplantation, 2021, 28, e12700.	1.6	23

#	Article	IF	Citations
217	MODULATION OF PLATELET AGGREGATION IN BABOONS: IMPLICATIONS FOR MIXED CHIMERISM IN XENOTRANSPLANTATION. I. THE ROLES OF INDIVIDUAL COMPONENTS OF A TRANSPLANTATION CONDITIONING REGIMEN AND OF PIG PERIPHERAL BLOOD PROGENITOR CELLS. Transplantation, 2001, 72, 1299-1305.	0.5	22
218	Genetically Engineered Pigs as a Source for Clinical Red Blood Cell Transfusion. Clinics in Laboratory Medicine, 2010, 30, 365-380.	0.7	22
219	Potential factors influencing the development of thrombocytopenia and consumptive coagulopathy after genetically modified pig liver xenotransplantation. Transplant International, 2012, 25, 882-896.	0.8	22
220	Expression of NeuGc on Pig Corneas and Its Potential Significance in Pig Corneal Xenotransplantation. Cornea, 2016, 35, 105-113.	0.9	22
221	Chronic dialysis in patients with endâ€stage renal disease: Relevance to kidney xenotransplantation. Xenotransplantation, 2019, 26, e12471.	1.6	22
222	Evidence for GTKO/Î²4GalNT2KO Pigs as the Preferred Organ-source for Old World Nonhuman Primates as a Preclinical Model of Xenotransplantation. Transplantation Direct, 2020, 6, e590.	0.8	22
223	Porcine red blood cells as a source of blood transfusion in humans. Xenotransplantation, 2003, 10, 384-386.	1.6	21
224	Can spleen transplantation induce tolerance? A review of the literature. Transplant International, 2003, 16, 451-460.	0.8	21
225	Investigation of red blood cells from Î±1,3-galactosyltransferase-knockout pigs for human blood transfusion. Transfusion, 2004, 44, 1004-1012.	0.8	21
226	Comparison of Proliferative Capacity of Genetically-Engineered Pig and Human Corneal Endothelial Cells. Ophthalmic Research, 2013, 49, 127-138.	1.0	21
227	Islet xenotransplantation from genetically engineered pigs. Current Opinion in Organ Transplantation, 2013, 18, 695-702.	0.8	21
228	Thyroid hormone: relevance to xenotransplantation. Xenotransplantation, 2016, 23, 293-299.	1.6	21
229	Attitudes to Clinical Pig Kidney Xenotransplantation among Medical Providers and Patients. Kidney360, 2020, 1, 657-662.	0.9	21
230	Physiological aspects of pig kidney xenotransplantation and implications for management following transplant. Xenotransplantation, 2022, 29, e12743.	1.6	21
231	Pigâ€“toâ€“Non-human Primate Heart Transplantation: Immunologic Progress Over 20 Years. Journal of Heart and Lung Transplantation, 2007, 26, 210-218.	0.3	20
232	Platelet aggregation in humans and nonhuman primates: relevance to xenotransplantation. Xenotransplantation, 2012, 19, 233-243.	1.6	20
233	The optimal hormonal replacement modality selection for multiple organ procurement from brain-dead organ donors. Clinical Epidemiology, 2015, 7, 17.	1.5	20
234	Increased Procurement of Thoracic Donor Organs After Thyroid Hormone Therapy. Seminars in Thoracic and Cardiovascular Surgery, 2015, 27, 123-132.	0.4	20

#	Article	IF	Citations
235	Ethical aspects of xenotransplantation of current importance. Xenotransplantation, 1996, 3, 264-274.	1.6	19
236	Initial investigation of the potential of modified porcine erythrocytes for transfusion in primates. Xenotransplantation, 2004, 11, 18-26.	1.6	19
237	The potential of genetically-modified pig mesenchymal stromal cells in xenotransplantation. Xenotransplantation, 2010, 17, 3-5.	1.6	19
238	An in vitro model of pig liver xenotransplantationâ€"pig complement is associated with reduced lysis of wildâ€type and genetically modified pig cells. Xenotransplantation, 2010, 17, 370-378.	1.6	19
239	Therapeutic issues in the treatment of vascularized xenotransplants using gal-knockout donors in nonhuman primates. Current Opinion in Organ Transplantation, 2011, 16, 222-230.	0.8	19
240	Immunobiology of liver xenotransplantation. Expert Review of Clinical Immunology, 2012, 8, 621-634.	1.3	19
241	Development of a consensus protocol to quantify primate antiâ€nonâ€<scp>G</scp>al xenoreactive antibodies using pig aortic endothelial cells. Xenotransplantation, 2014, 21, 555-566.	1.6	19
242	Paediatric xenotransplantation clinical trials and the right to withdraw. Journal of Medical Ethics, 2020, 46, 311-315.	1.0	19
243	Racial differences in attitudes to clinical pig organ Xenotransplantation. Xenotransplantation, 2021, 28, e12656.	1.6	19
244	Xenotransplantation: the challenge to current psychosocial attitudes. Progress in Transplantation, 2000, 10, 217-225.	0.4	19
245	Porcine alanine transaminase after liver alloâ€and xenotransplantation. Xenotransplantation, 2012, 19, 52-55.	1.6	18
246	Are there advantages in the use of specific pathogenâ€free baboons in pig organ xenotransplantation models?. Xenotransplantation, 2014, 21, 287-290.	1.6	18
247	Initial study of Î±1,3â€galactosyltransferase geneâ€knockout/<scp>CD</scp>46 pig fullâ€thickness corneal xenografts in rhesus monkeys. Xenotransplantation, 2017, 24, e12282.	1.6	18
248	In Search of the Ideal Valve: Optimizing Genetic Modifications to Prevent Bioprosthetic Degeneration. Annals of Thoracic Surgery, 2019, 108, 624-635.	0.7	18
249	Pig heart and lung xenotransplantation: Present status. Journal of Heart and Lung Transplantation, 2022, 41, 1014-1022.	0.3	18
250	Human Tâ€cell proliferation in response to thrombinâ€activated GTKO pig endothelial cells. Xenotransplantation, 2012, 19, 311-316.	1.6	17
251	Potential Antigens Involved in Delayed Xenograft Rejection in a Ggta1/Cmah Dko Pig-to-Monkey Model. Scientific Reports, 2017, 7, 10024.	1.6	17
252	Attitudes to Cardiac Xenotransplantation by Pediatric Heart Surgeons and Physicians. World Journal for Pediatric & Congenital Heart Surgery, 2020, 11, 426-430.	0.3	17

#	Article	IF	Citations
253	â€œYou cannot stay in the laboratory foreverâ€•: Taking pig kidney xenotransplantation from the laboratory to the clinic. EBioMedicine, 2021, 71, 103562.	2.7	17
254	Monomorphic and polymorphic carbohydrate antigens on pig tissues: implications for organ xenotransplantation in the pig-to-human model. Transplant International, 1994, 7, 405-413.	0.8	17
255	Informed Consent for Potential Recipients of Pig Kidney Xenotransplantation in the United States. Transplantation, 2022, 106, 1754-1762.	0.5	17
256	How strong is the T cell response in the pig-to-primate model?. Xenotransplantation, 2005, 12, 85-87.	1.6	16
257	Histopathologic insights into the mechanism of antiâ€nonâ€Gal antibodyâ€mediated pig cardiac xenograft rejection. Xenotransplantation, 2013, 20, 292-307.	1.6	16
258	Potential alternative approaches to xenotransplantation. International Journal of Surgery, 2015, 23, 322-326.	1.1	16
259	Psychosocial challenges of xenotransplantation: the need for a multidisciplinary, religious, and cultural dialogue. Xenotransplantation, 2016, 23, 335-337.	1.6	16
260	Pig kidney transplantation in baboons treated intravenously with a bovine serum albumin-GalÎ±1-3Gal conjugate. Xenotransplantation, 2003, 10, 606-614.	1.6	15
261	Immunological Unresponsiveness in Chimeric Miniature Swine following MHC-Mismatched Spleen Transplantation. Transplantation, 2005, 80, 1791-1804.	0.5	15
262	Acute gastric dilatation after porcine islet transplantation in a cynomolgus monkey ? case history and review of the literature. Xenotransplantation, 2007, 14, 265-270.	1.6	15
263	Human T cells upregulate CD69 after coculture with xenogeneic genetically-modified pig mesenchymal stromal cells. Cellular Immunology, 2013, 285, 23-30.	1.4	15
264	Characterization of the cellular infiltrate in bioprosthetic heart valves explanted from patients with structural valve deterioration. Xenotransplantation, 2015, 22, 406-407.	1.6	15
265	Depletion of anti-Gal antibodies by the intravenous infusion of Gal type 2 and 6 glycoconjugates in baboons. Xenotransplantation, 2003, 10, 357-367.	1.6	14
266	Hormonal resuscitation therapy in the management of the brain-dead potential organ donor. International Journal of Surgery, 2008, 6, 3-4.	1.1	14
267	Toward clinical islet xenotransplantation â€“ are revisions to the IXA guidelines warranted?. Xenotransplantation, 2013, 20, 68-74.	1.6	14
268	Role of <scp>P</scp>â€selectin and <scp>P</scp>â€selectin glycoprotein ligandâ€1 interaction in the induction of tissue factor expression on human platelets after incubation with porcine aortic endothelial cells. Xenotransplantation, 2014, 21, 16-24.	1.6	14
269	In vitro exposure of pig neonatal isletlike cell clusters to human blood. Xenotransplantation, 2015, 22, 317-324.	1.6	14
270	Evidence that sensitization to tripleâ€knockout pig cells will not be detrimental to subsequent allotransplantation. Xenotransplantation, 2021, 28, e12701.	1.6	14

#	Article	IF	Citations
271	Histopathology of pig kidney grafts with/without expression of the carbohydrate Neu5Gc in immunosuppressed baboons. Xenotransplantation, 2021, 28, .	1.6	14
272	Pig heart xenotransplantation as a bridge to allotransplantation. Journal of Heart and Lung Transplantation, 2010, 29, 838-840.	0.3	13
273	Clinical Islet Xenotransplantation: A Step Forward. EBioMedicine, 2016, 12, 22-23.	2.7	13
274	Hormone resuscitation therapy for brainâ€dead donors â€“ is insulin beneficial or detrimental?. Clinical Transplantation, 2016, 30, 754-759.	0.8	13
275	Effect of Rho-kinase Inhibitor, Y27632, on Porcine Corneal Endothelial Cell Culture, Inflammation and Immune Regulation. Ocular Immunology and Inflammation, 2016, 24, 579-593.	1.0	13
276	Early clinical xenotransplantation experiencesâ€"An interview with Thomas E. Starzl, MD, PhD. Xenotransplantation, 2017, 24, e12306.	1.6	13
277	Serum amyloid a as an indicator of impending xenograft failure: Experimental studies. International Journal of Surgery, 2018, 60, 283-290.	1.1	13
278	Introduction: The Present Status of Xenotransplantation Research. Methods in Molecular Biology, 2020, 2110, 1-25.	0.4	13
279	The reducing end of ?Gal oligosaccharides contributes to their efficiency in blocking natural antibodies of human and baboon sera. Transplant International, 1996, 9, 98-101.	0.8	13
280	Inhibition of human antiâ€Î±Gal IgG by oligosaccharides derived from porcine stomach mucin. Xenotransplantation, 1995, 2, 279-288.	1.6	12
281	The pig-to-primate immune response: relevance for xenotransplantation. Xenotransplantation, 2007, 14, 227-235.	1.6	12
282	Experimental hepatocyte xenotransplantationâ€"a comprehensive review of the literature. Xenotransplantation, 2015, 22, 239-248.	1.6	12
283	JOINT <scp>FDA</scp>â€<scp>IXA</scp> SYMPOSIUM, SEPTEMBER 20, 2017. Xenotransplantation, 2017, 24, e12365.	1.6	12
284	Bringing Home The Bacon: Update on The State of Kidney Xenotransplantation. Blood Purification, 2018, 45, 254-259.	0.9	12
285	An approach to induction of tolerance to pig cardiac xenografts in neonates. Xenotransplantation, 2018, 25, e12454.	1.6	12
286	Is the renal subcapsular space the preferred site for clinical porcine islet xenotransplantation? Review article. International Journal of Surgery, 2019, 69, 100-107.	1.1	12
287	How the COVIDâ€19 pandemic may impact public support for clinical xenotransplantation in the United States?. Xenotransplantation, 2020, 27, e12623.	1.6	12
288	Recommendations to the IRB review process in preparation of xenotransplantation clinical trials. Xenotransplantation, 2020, 27, e12587.	1.6	12

#	Article	IF	Citations
289	The problem of the â€œ4th xenoantigenâ€•after pig organ transplantation in nonâ€•human primates may be overcome by expression of human â€œprotectiveâ€•proteins. Xenotransplantation, 2021, 28, e12658.	1.6	12
290	Genetically-engineered pigs as sources for clinical red blood cell transfusion: What pathobiological barriers need to be overcome?. Blood Reviews, 2019, 35, 7-17.	2.8	12
291	Initial evidence that blockade of the CD40/CD154 costimulation pathway alone is sufficient as maintenance therapy in xenotransplantation. Xenotransplantation, 2021, 28, .	1.6	12
292	The 2021 IXA Keith Reemtsma Lecture: Moving xenotransplantation to the clinic. Xenotransplantation, 2022, 29, e12723.	1.6	12
293	Lack of variation in Î±gal expression on lymphocytes in miniature swine of different genotypes. Xenotransplantation, 1999, 6, 43-51.	1.6	11
294	Histopathology of spleen allograft rejection in miniature swine. International Journal of Experimental Pathology, 2005, 86, 57-66.	0.6	11
295	Transplantation of hepatocytes from genetically engineered pigs into baboons. Xenotransplantation, 2017, 24, e12289.	1.6	11
296	Development of retrocorneal membrane following pigâ€toâ€•monkey penetrating keratoplasty. Xenotransplantation, 2017, 24, e12276.	1.6	11
297	Expression and Regulation Profile of Mature MicroRNA in the Pig: Relevance to Xenotransplantation. BioMed Research International, 2018, 2018, 1-9.	0.9	11
298	Effect of intravenous immunoglobulin (IVIg) on primate complement-dependent cytotoxicity of genetically engineered pig cells: relevance to clinical xenotransplantation. Scientific Reports, 2020, 10, 11747.	1.6	11
299	The immune system in infants: Relevance to xenotransplantation. Pediatric Transplantation, 2020, 24, e13795.	0.5	11
300	A perspective on the potential detrimental role of inflammation in pig orthotopic heart xenotransplantation. Xenotransplantation, 2021, 28, e12687.	1.6	11
301	Immunological selection and monitoring of patients undergoing pig kidney transplantation. Xenotransplantation, 2021, 28, e12686.	1.6	11
302	Scientific and psychosocial ethical considerations for initial clinical trials of kidney xenotransplantation. Xenotransplantation, 2022, 29, .	1.6	11
303	Returning to Work After Heart Transplantation: A Replication. Research on Social Work Practice, 1997, 7, 370-377.	1.1	10
304	Measurement of anti-CD154 monoclonal antibody in primate sera by competitive inhibition ELISA. Xenotransplantation, 2006, 13, 566-570.	1.6	10
305	Monitoring of porcine and baboon cytomegalovirus infection in xenotransplantation. Xenotransplantation, 2009, 16, 535-536.	1.6	10
306	Limitations of the pigâ€toâ€•nonâ€•human primate islet transplantation model. Xenotransplantation, 2013, 20, 2-4.	1.6	10

#	Article	IF	Citations
307	Endoscopic biopsy of islet transplants in the gastric submucosal space provides evidence of islet graft rejection in diabetic pigs. Islets, 2016, 8, 1-12.	0.9	10
308	B cell phenotypes in baboons with pig artery patch grafts receiving conventional immunosuppressive therapy. Transplant Immunology, 2018, 51, 12-20.	0.6	10
309	Comparison of porcine corneal decellularization methods and importance of preserving corneal limbus through decellularization. PLoS ONE, 2021, 16, e0243682.	1.1	10
310	Initial experimental experience of tripleâ€knockout pig red blood cells as potential sources for transfusion in alloimmunized patients with sickle cell disease. Transfusion, 2021, 61, 3104-3118.	0.8	10
311	The future of cardiac xenotransplantation. Nature Reviews Cardiology, 2022, 19, 281-282.	6.1	10
312	Global Consultation on Regulatory Requirements for Xenotransplantation in Clinical Trials. Xenotransplantation, 2009, 16, 58-60.	1.6	9
313	Is There a Correlation Between Anti-Pig Antibody Levels in Humans and Geographic Location During Childhood?. Transplantation, 2013, 96, 387-393.	0.5	9
314	Thyroid hormone therapy and procurement of livers from brain-dead donors. Endocrine Research, 2016, 41, 270-273.	0.6	9
315	Angiopoietinâ€1 and angiopoietinâ€2 protect porcine iliac endothelial cells from human antibodyâ€mediated complementâ€dependent cytotoxicity through phosphatidylinositide 3â€kinase/<scp>AKT</scp> pathway activation. Xenotransplantation, 2017, 24, e12309.	1.6	9
316	Encapsulation of Human Islets Using a Biomimetic Self-Assembled Nanomatrix Gel for Protection against Cellular Inflammatory Responses. ACS Biomaterials Science and Engineering, 2017, 3, 2110-2119.	2.6	9
317	TNF-Î± promotes human antibody-mediated complement-dependent cytotoxicity of porcine endothelial cells through downregulating P38-mediated Occludin expression. Cell Communication and Signaling, 2019, 17, 75.	2.7	9
318	The first clinical trialâ€"Kidney or heart?. Xenotransplantation, 2021, 28, e12644.	1.6	9
319	Potential roles of mesenchymal stromal cells in islet alloâ€and xenotransplantation for type 1 diabetes mellitus. Xenotransplantation, 2021, 28, e12678.	1.6	9
320	How important is the anti-Gal antibody response following the implantation of a porcine bioprosthesis?. Journal of Heart Valve Disease, 2009, 18, 671-2.	0.5	9
321	The potential role of thyroid hormone substitutes in cardiac surgery and transplantation. The Asia Pacific Journal of Thoracic & Cardiovascular Surgery, 1996, 5, 40-46.	0.0	8
322	Update: cardiac xenotransplantation. Current Opinion in Organ Transplantation, 2008, 13, 531-535.	0.8	8
323	Identification of Î±Gal as the major target for human antiâ€pig antibodies. Xenotransplantation, 2009, 16, 47-49.	1.6	8
324	Financial aspects of organ procurement from deceased donors in the USA-Relevance to xenotransplantation. Xenotransplantation, 2017, 24, e12322.	1.6	8

#	Article	IF	Citations
325	Christiaan Barnardâ€"The surgeon who dared: The story of the first human-to-human heart transplant. Global Cardiology Science & Practice, 2018, 2018, 11.	0.3	8
326	Incidence of Neoplasia in Pigs and Its Relevance to Clinical Organ Xenotransplantation. Comparative Medicine, 2019, 69, 86-94.	0.4	8
327	Indicators of impending pig kidney and heart xenograft failure: Relevance to clinical organ xenotransplantation - Review article. International Journal of Surgery, 2019, 70, 84-91.	1.1	8
328	A potential role of TLR2 in xenograft rejection of porcine iliac endothelial cells: An in vitro study. Xenotransplantation, 2019, 26, e12526.	1.6	8
329	The potential role of 3D-bioprinting in xenotransplantation. Current Opinion in Organ Transplantation, 2019, 24, 547-554.	0.8	8
330	Bridging to Allotransplantationâ€"Is Pig Liver Xenotransplantation the Best Option?. Transplantation, 2022, 106, 26-36.	0.5	8
331	Genetic engineering of porcine endothelial cell lines for evaluation of human-to-pig xenoreactive immune responses. Scientific Reports, 2021, 11, 13131.	1.6	8
332	The potential of genetically engineered pig heart transplantation in infants with complex congenital heart disease. Pediatric Transplantation, 2022, 26, e14260.	0.5	8
333	The Role of Interleukin-6 (IL-6)Âin the Systemic Inflammatory Response in Xenograft Recipients and in Pig Kidney Xenograft Failure. Frontiers in Immunology, 2021, 12, 788949.	2.2	8
334	Potential benefits and risks of clinical xenotransplantation. Transplant Research and Risk Management, 2012, , 7.	0.7	7
335	Plasma free triiodothyronine (<scp>fT</scp>3) levels in baboons undergoing pig organ transplantation: relevance to early recovery of organ function. Xenotransplantation, 2014, 21, 582-583.	1.6	7
336	In vitro testing of an anti-CD40 monoclonal antibody, clone 2C10, in primates and pigs. Transplant Immunology, 2015, 33, 185-191.	0.6	7
337	Anti-pig IgE and IgA Antibodies in Naive Primates and Nonhuman Primates With Pig Xenografts. Transplantation, 2021, 105, 318-327.	0.5	7
338	Aspects of histocompatibility testing in xenotransplantation. Transplant Immunology, 2021, 67, 101409.	0.6	7
339	Invited commentary: Initial reflections on the world's first clinical geneticallyâ€engineered pig heart transplant. Xenotransplantation, 2022, 29, e12737.	1.6	7
340	Relative effects of GAL+ and GALlow/- porcine hematopoietic cells on primate platelet aggregation and endothelial cell activation: implications for the induction of mixed hematopoietic chimerism in the pig-to-primate model. Xenotransplantation, 2004, 11, 72-77.	1.6	6
341	Attempted Depletion of Passenger Leukocytes by Irradiation in Pigs. Journal of Transplantation, 2011, 2011, 1-9.	0.3	6
342	Streptozotocin-associated lymphopenia in cynomolgus monkeys. Islets, 2014, 6, e944441.	0.9	6

#	Article	IF	Citations
343	The impact of serum incubation time on IgM/IgG binding to porcine aortic endothelial cells. Xenotransplantation, 2017, 24, e12312.	1.6	6
344	Low antiâ€pig antibody levels are key to the success of solid organ xenotransplantation: But is this sufficient?. Xenotransplantation, 2017, 24, e12360.	1.6	6
345	Circulating pigâ€specific DNA as a novel biomarker for monitoring xenograft rejection. Xenotransplantation, 2019, 26, e12522.	1.6	6
346	Experimental Pig Heart Xenotransplantationâ€"Recent Progress and Remaining Problems. Annals of Thoracic Surgery, 2019, 107, 989-992.	0.7	6
347	Efficacy of ATG and Rituximab in capuchin monkeys (a New World monkey)â€"An in vitro study relevant to xenotransplantation. Xenotransplantation, 2020, 27, e12627.	1.6	6
348	The human Tâ€cell proliferative response to tripleâ€knockout pig cells in mixed lymphocyte reaction. Xenotransplantation, 2020, 27, e12619.	1.6	6
349	Clinical trials of pediatric cardiac xenotransplantation. American Journal of Transplantation, 2021, 21, 433-434.	2.6	6
350	Cardiac and Pulmonary Histopathology in Baboons Following Genetically-Engineered Pig Orthotopic Heart Transplantation. Annals of Transplantation, 0, 27, .	0.5	6
351	Assessment of methotrexate as a potential immunosuppressive agent in baboons. Journal of Heart and Lung Transplantation, 2001, 20, 1335-1339.	0.3	5
352	Minimal effect of bortezomib in reducing antiâ€pig antibodies in human leukocyte antigenâ€sensitized patients: a pilot study. Xenotransplantation, 2013, 20, 429-437.	1.6	5
353	Hematopoietic chimerism following allotransplantation of the spleen, splenocytes or kidney in pigs. Transplant Immunology, 2014, 31, 125-133.	0.6	5
354	Myroides Infection in a Baboon After Prolonged Pig Kidney Graft Survival. Transplantation Direct, 2015, 1, 1-5.	0.8	5
355	Serum amyloid A as a marker of inflammation in xenotransplantation. European Journal of Inflammation, 2018, 16, 205873921878004.	0.2	5
356	Does expression of a human complement-regulatory protein on xenograft cells protect them from systemic complement activation?. International Journal of Surgery, 2020, 83, 184-188.	1.1	5
357	Extracellular histones and xenotransplantation. Xenotransplantation, 2020, 27, e12618.	1.6	5
358	Ignoring a basic pathophysiological mechanism of heart failure progression will not make it go away. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1919-H1922.	1.5	5
359	Shooting for the moon: Genome editing for pig heart xenotransplantation. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 973-980.	0.4	5
360	Expert Opinion Special Feature: Patient Selection for Initial Clinical Trials of Pig Organ Transplantation. Transplantation, 2022, 106, 1720-1723.	0.5	5

#	Article	IF	Citations
361	A milestone in xenotransplantation research. Xenotransplantation, 2014, 21, 13-15.	1.6	4
362	Is successful orthotopic heart transplantation in the pigâ€toâ€nonâ€human primate model required before proceeding to a clinical trial?. Xenotransplantation, 2016, 23, 328-329.	1.6	4
363	Transplant Tolerance: Current Insights and Strategies for Long-Term Survival of Xenografts. Archivum Immunologiae Et Therapiae Experimentalis, 2018, 66, 355-364.	1.0	4
364	Human CTLA4-Ig therapy can give false-positive anti-pig antibody results in primates after xenotransplantation. Transplant Immunology, 2019, 57, 101243.	0.6	4
365	Financial support for xenotransplantation research. Xenotransplantation, 2019, 26, e12483.	1.6	4
366	The â€œBaby Faeâ€•baboon heart transplantâ€”Potential cause of rejection. Xenotransplantation, 2019, 26, e12511.	1.6	4
367	What will be the cost of a geneticallyâ€engineered pig organ for clinical xenotransplantation?. Xenotransplantation, 2020, 27, e12606.	1.6	4
368	Clinical trials of pig heart transplantation. Journal of Heart and Lung Transplantation, 2020, 39, 1509-1511.	0.3	4
369	The future of bioprosthetic heart valves. Indian Journal of Medical Research, 2012, 135, 150-1.	0.4	4
370	Recent progress in the pigâ€toâ€nonhuman primate kidney transplantation model: Report of a symposium. Xenotransplantation, 2022, 29, e12728.	1.6	4
371	Serum Antibody Binding and Cytotoxicity to Pig Cells in Chinese Subjects: Relevance to Clinical Renal Xenotransplantation. Frontiers in Immunology, 2022, 13, 844632.	2.2	4
372	Current Topics of Relevance to the Xenotransplantation of Free Pig Islets. Frontiers in Immunology, 2022, 13, 854883.	2.2	4
373	Christiaan neethling barnard. Clinical Cardiology, 2001, 24, 527-528.	0.7	3
374	Outwitting evolution*. Xenotransplantation, 2010, 17, 171-180.	1.6	3
375	A Record of International Meetings on Xenotransplantation 1988-2010. Xenotransplantation, 2011, 18, 229-231.	1.6	3
376	Cardiac xenotransplantation technology provides materials for improved bioprosthetic heart valves. Journal of Thoracic and Cardiovascular Surgery, 2011, 142, 238-239.	0.4	3
377	T-lymphocyte homeostasis and function in infant baboons: implications for transplantation. Transplant International, 2012, 25, 218-228.	0.8	3
378	Altered expression of eNOS, prostacyclin synthase, prostaglandin G/H synthase, and thromboxane synthase in porcine aortic endothelial cells after exposure to human serumâ€”relevance to xenotransplantation. Cell Biology International, 2017, 41, 798-808.	1.4	3

#	Article	IF	Citations
379	Data on B cell phenotypes in baboons with pig artery patch grafts receiving conventional immunosuppressive therapy. Data in Brief, 2018, 20, 1965-1974.	0.5	3
380	Selective inhibition of cyclooxygenaseâ€2 protects porcine aortic endothelial cells from human antibodyâ€mediated complementâ€dependent cytotoxicity. Xenotransplantation, 2019, 26, e12536.	1.6	3
381	Will donorâ€derived neoplasia be problematic after clinical pig organ or cell xenotransplantation?. Xenotransplantation, 2019, 26, e12469.	1.6	3
382	Clinical trials of xenotransplantation: The need for a worldwide registry. Xenotransplantation, 2020, 27, e12598.	1.6	3
383	Stable expression of the human thrombomodulin transgene in pig endothelial cells is associated with a reduction in the inflammatory response. Cytokine, 2021, 148, 155580.	1.4	3
384	The surgical anatomy of experimental and clinical thoracic organ transplantation. Texas Heart Institute Journal, 2004, 31, 61-8.	0.1	3
385	T and B lymphocyte dynamics after genetically-modified pig-to-baboon kidney xenotransplantation with an anti-CD40mAb-based immunosuppressive regimen. Transplant Immunology, 2022, 71, 101545.	0.6	3
386	6th Congress of the International Xenotransplantation Association. Xenotransplantation, 2003, 10, 7-9.	1.6	2
387	Immunologic Benefits of Spleen Transplantation in the Absence of Graft-Versus-Host Disease. Annals of Surgery, 2006, 243, 710-711.	2.1	2
388	Klotho attenuated antibodyâ€mediated porcine endothelial cell activation and injury. Xenotransplantation, 2017, 24, e12286.	1.6	2
389	Downregulation of Gabarapl1 significantly attenuates antibody binding to porcine aortic endothelial cells. Xenotransplantation, 2019, 26, e12537.	1.6	2
390	Lifeâ€supporting porcine cardiac xenotransplantation: The Munich study. Xenotransplantation, 2019, 26, e12486.	1.6	2
391	Xenotransplantation of the endocrine pancreas. , 2020, , 423-446.		2
392	Immunosuppressive and metabolic agents that influence alloâ€and xenograft survival by in vivo expansion of T regulatory cells. Xenotransplantation, 2020, 27, e12640.	1.6	2
393	Deceased humans and living pigs as sources of kidneys for clinical transplantationâ€"Can they be compared?. Xenotransplantation, 2021, 28, e12670.	1.6	2
394	Human Hemangioblast-Derived Mesenchymal Stem Cells Promote Islet Engraftment in a Minimal Islet Mass Transplantation Model in Mice. Frontiers in Medicine, 2021, 8, 660877.	1.2	2
395	Natural antiâ€pig antibodies in infant baboons. Xenotransplantation, 2021, 28, e12692.	1.6	2
396	Pig-to-Macaque Islet Xenotransplantation. Methods in Molecular Biology, 2020, 2110, 289-314.	0.4	2

#	Article	IF	Citations
397	Profound thrombocytopenia associated with administration of multiple antiâ€inflammatory agents in baboons. Immunity, Inflammation and Disease, 2022, 10, .	1.3	2
398	Cyclophosphamide dosage in pigs. Annals of Transplantation, 2009, 14, 91-2.	0.5	2
399	Response to Commentaries on â€œÎ±1,3-Galactosyltransferase Gene-Knockout Pigs for Xenotransplantation: Where Do We Go From Here?â€• Transplantation, 2007, 84, 1212-1213.	0.5	1
400	Frankenswine, or bringing home the bacon. Organogenesis, 2008, 4, 1-10.	0.4	1
401	Pig-to-human xenotransplantation summit in Changsha, China. Xenotransplantation, 2012, 19, 327-328.	1.6	1
402	Collagenous Colitis-like Condition in Immunosuppressed Infant Baboons. Inflammatory Bowel Diseases, 2012, 18, 1325-1332.	0.9	1
403	Sequence alignment analysis of proteins involved in platelet-endothelial cell interaction identifies molecular incompatibilities between Homo sapiens and Sus scrofa. Journal of Biomedical Engineering and Informatics, 2016, 3, 51.	0.2	1
404	The forgotten French: The â€˜heroicâ€™ era of kidney transplantation. Journal of Medical Biography, 2017, 25, 234-239.	0.1	1
405	Circulating mi<scp>RNA</scp> or circulating <scp>DNA</scp>â€”Potential biomarkers for organ transplant rejection. Xenotransplantation, 2019, 26, e12444.	1.6	1
406	Heart surgery and transplantation: innovations impacting on concepts of life and death. Medical Humanities, 2020, 46, 372-383.	0.6	1
407	Inguinal Subcutaneous White Adipose Tissue (ISWAT) Transplantation Model of Murine Islets. Journal of Visualized Experiments, 2020, , .	0.2	1
408	Thyroid Hormone Treatment in Heart Surgery and Heart Transplantation. , 2020, , 409-436.		1
409	Thomas E. Starzl, MD, PhD, 1926â€“2017. Xenotransplantation, 2017, 24, .	1.6	1
410	Public Perceptions Toward the Clinical Trials of Organ Xenotransplantation. , 2020, , 277-285.		1
411	Therapeutic Strategies for Xenotransplantation. , 2002, , 237-289.		0
412	Edward Gerjuoy: From Physics to Law and Back Again. Physics in Perspective, 2011, 13, 433-455.	0.2	0
413	John Collins Warren (1778-1856): An American surgeon in London. BMJ, The, 2012, 345, e8251-e8251.	3.0	0
414	Systemic inflammation in xenograft recipients (SIXR). Xenotransplantation, 2013, 20, 52-52.	1.6	0

#	Article	IF	Citations
415	David K. C. Cooper, MD, PhD. Transplantation, 2015, 99, 1310-1311.	0.5	0
416	Cover Image, Volume 25, Issue 2. Xenotransplantation, 2018, 25, e12397.	1.6	0
417	Christiaan Barnard's views on euthanasia. Baylor University Medical Center Proceedings, 2018, 31, 229-230.	0.2	0
418	Xenotransplantation research and the â€˜International Journal of Surgeryâ€™. International Journal of Surgery, 2018, 58, 57-59.	1.1	0
419	Christiaan Barnardâ€”The Great Communicator?. American Journal of Cardiology, 2018, 121, 1652-1655.	0.7	0
420	Cover Image, Volume 26, Issue 3. Xenotransplantation, 2019, 26, e12539.	1.6	0
421	Addressing concerns toward xenotransplantation. Journal of Cardiac Surgery, 2021, 36, 4821.	0.3	0
422	Future Directions in Liver Replacement Therapy: Liver Xenotransplantation. , 2018, , 347-377.		0
423	Cardiac Xenotransplantation in Nonhuman Primates. , 2020, , 107-117.		0
424	Cardiac xenotransplantation. , 2020, , 171-192.		0
425	Kidney Xenotransplantation in Nonhuman Primates. , 2020, , 91-106.		0
426	The Pathobiology of Pig-to-Primate Xeno.: A Historical Review. , 2020, , 27-63.		0
427	Is Sensitization to Pig Antigens Detrimental to Subsequent Allotransplantation?. , 2020, , 65-78.		0
428	Selection of Patients for the Initial Clinical Trials of Kidney Xenotransplantation. , 2020, , 209-220.		0