David K C Cooper

List of Publications by Year
in descending order

428 papers	18,167 citations	11651 70 h-index	24258 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.	30.7	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.	30.7	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.	1.0	379
4	Clinical xenotransplantation: the next medical revolution?. Lancet, The, 2012, 379, 672-683.	13.7	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.	30.7	312
6	Will the Pig Solve the Transplantation Backlog?. Annual Review of Medicine, 2002, 53, 133-147.	12.2	267
7	Oligosaccharides and Discordant Xenotransplantation. Immunological Reviews, 1994, 141, 31-58.	6.0	249
8	CHANGE FROM AEROBIC TO ANAEROBIC METABOLISM AFTER BRAIN DEATH, AND REVERSAL FOLLOWING TRIIODOTHYRONINE THERAPY. Transplantation, 1988, 45, 32-36.	1.0	246
9	DISCORDANT ORGAN XENOTRANSPLANTATION IN PRIMATES. Transplantation, 1998, 66, 547-561.	1.0	208
10	The role of genetically engineered pigs in xenotransplantation research. Journal of Pathology, 2016, 238, 288-299.	4.5	184
11	Pig kidney graft survival in a baboon for 136Âdays: longest lifeâ€supporting organ graft survival to date. Xenotransplantation, 2015, 22, 302-309.	2.8	180
12	Î±1,3-Galactosyltransferase Gene-Knockout Pig Heart Transplantation in Baboons with Survival Approaching 6 Months. Transplantation, 2005, 80, 1493-1500.	1.0	178
13	Selected physiologic compatibilities and incompatibilities between human and porcine organ systems. Xenotransplantation, 2006, 13, 488-499.	2.8	175
14	Immunological and physiological observations in baboons with lifeâ€supporting genetically engineered pig kidney grafts. Xenotransplantation, 2017, 24, e12293.	2.8	174
15	Hormonal Therapy of the Brain-Dead Organ Donor: Experimental and Clinical Studies. Transplantation, 2006, 82, 1396-1401.	1.0	169
16	Rapid loss of intraportally transplanted islets: an overview of pathophysiology and preventive strategies. Xenotransplantation, 2007, 14, 288-297.	2.8	161
17	PORCINE KIDNEY AND HEART TRANSPLANTATION IN BABOONS UNDERGOING A TOLERANCE INDUCTION REGIMEN AND ANTIBODY ADSORPTION1. Transplantation, 1999, 67, 18-30.	1.0	155
18	Disordered regulation of coagulation and platelet activation in xenotransplantation. Xenotransplantation, 2000, 7, 166-176.	2.8	154

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19	Xenoantigens and xenoantibodies. Xenotransplantation, 1998, 5, 6-17.	2.8	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.	3.1	142
21	Xenograft bioprosthetic heart valves: Past, present and future. International Journal of Surgery, 2015, 23, 280-284.	2.7	136
22	The Innate Immune Response and Activation of Coagulation in Î±1,3-Galactosyltransferase Gene-Knockout Xenograft Recipients. Transplantation, 2009, 87, 805-812.	1.0	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.	3.8	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.	4.7	129
25	INTRAVENOUS INFUSION OF Gal??1-3Gal OLIGOSACCHARIDES IN BABOONS DELAYS HYPERACUTE REJECTION OF PORCINE HEART XENOGRAFTS. Transplantation, 1998, 65, 346-353.	1.0	127
26	Current status of xenotransplantation and prospects for clinical application. Xenotransplantation, 2009, 16, 263-280.	2.8	126
27	Thrombotic microangiopathy and graft arteriopathy in pig hearts following transplantation into baboons. Xenotransplantation, 2004, 11, 416-425.	2.8	125
28	DISSEMINATED INTRAVASCULAR COAGULATION IN ASSOCIATION WITH THE DELAYED REJECTION OF PIG-TO-BABOON RENAL XENOGRAFTS. Transplantation, 1998, 66, 1439-1450.	1.0	125
29	Production and characterization of transgenic pigs expressing porcine CTLA4â€Ig. Xenotransplantation, 2009, 16, 477-485.	2.8	124
30	A Brief History of Cross-Species Organ Transplantation. Baylor University Medical Center Proceedings, 2012, 25, 49-57.	0.5	122
31	Xenotransplantation of solid organs in the pig-to-primate model. Transplant Immunology, 2009, 21, 87-92.	1.2	121
32	Progress in pigâ€toâ€nonâ€human primate transplantation models (1998â€“2013): a comprehensive review of the literature. Xenotransplantation, 2014, 21, 397-419.	2.8	121
33	Xenotransplantation-The Future of Corneal Transplantation?. Cornea, 2011, 30, 371-378.	1.7	120
34	Clinical Islet Xenotransplantation. Diabetes, 2012, 61, 3046-3055.	0.6	117
35	The pathobiology of pigâ€toâ€primate xenotransplantation: a historical review. Xenotransplantation, 2016, 23, 83-105.	2.8	117
36	Depletion of antiâ€Galî±1â€“3Gal antibody in baboons by specific Î±â€Gal immunoaffinity columns. Xenotransplantation, 1998, 5, 122-131.	2.8	116

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37	Activation of Cytomegalovirus in Pig-to-Primate Organ Xenotransplantation. Journal of Virology, 2002, 76, 4734-4740.	3.4	116
38	Justification of specific genetic modifications in pigs for clinical organ xenotransplantation. Xenotransplantation, 2019, 26, e12516.	2.8	115
39	Carbohydrates in xenotransplantation. Immunology and Cell Biology, 2005, 83, 396-404.	2.3	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.	1.3	111
41	Systemic inflammation in xenograft recipients precedes activation of coagulation. Xenotransplantation, 2015, 22, 32-47.	2.8	108
42	Do mesenchymal stem cells function across species barriers? Relevance for xenotransplantation. Xenotransplantation, 2012, 19, 273-285.	2.8	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.	1.0	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.	4.7	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.	4.4	96
46	The Choice of Anatomical Site for Islet Transplantation. Cell Transplantation, 2008, 17, 1005-1014.	2.5	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.	2.8	95
48	In vitroinvestigation of pig cells for resistance to human antibody-mediated rejection. Transplant International, 2008, 21, 1163-1174.	1.6	94
49	Executive summary. Xenotransplantation, 2009, 16, 196-202.	2.8	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.	2.8	93
51	Thyroid Hormone Therapy in the Management of 63,593 Brain-Dead Organ Donors. Transplantation, 2014, 98, 1119-1127.	1.0	93
52	Overcoming the barriers to xenotransplantation: prospects for the future. Expert Review of Clinical Immunology, 2010, 6, 219-230.	3.0	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.	3.7	88
54	Porcine cytomegalovirus and coagulopathy in pig-to-primate xenotransplantation1. Transplantation, 2003, 75, 1841-1847.	1.0	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.	1.0	84
56	The need for xenotransplantation as a source of organs and cells for clinical transplantation. International Journal of Surgery, 2015, 23, 199-204.	2.7	84
57	Xenotransplantation. Advances in Immunology, 2001, 79, 129-223.	2.2	83
58	Î±1,3-Galactosyltransferase Gene-Knockout Pigs for Xenotransplantation: Where Do We Go From Here?. Transplantation, 2007, 84, 1-7.	1.0	83
59	Immunobiological barriers to xenotransplantation. International Journal of Surgery, 2015, 23, 211-216.	2.7	83
60	Progress in Clinical Encapsulated Islet Xenotransplantation. Transplantation, 2016, 100, 2301-2308.	1.0	83
61	Xenotransplantation. Current Opinion in Organ Transplantation, 2017, 22, 513-521.	1.6	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.	2.8	80
63	Bioprosthetic heart valves of the future. Xenotransplantation, 2014, 21, 1-10.	2.8	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.	2.8	79
65	A brief history of clinical xenotransplantation. International Journal of Surgery, 2015, 23, 205-210.	2.7	78
66	Î±1,3-Galactosyltransferase Gene-Knockout Miniature Swine Produce Natural Cytotoxic Anti-Gal Antibodies. Transplantation, 2004, 78, 15-20.	1.0	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.	1.0	77
68	Isolation outcome and functional characteristics of young and adult pig pancreatic islets for transplantation studies. Xenotransplantation, 2007, 14, 74-82.	2.8	76
69	Reduction of Consumptive Coagulopathy Using Porcine Cytomegalovirus-Free Cardiac Porcine Grafts in Pig-to-Primate Xenotransplantation. Transplantation, 2004, 78, 1449-1453.	1.0	75
70	Reduction of Early Graft Loss After Intraportal Porcine Islet Transplantation in Monkeys. Transplantation, 2007, 83, 202-210.	1.0	75
71	Corneal blindness and xenotransplantation. Xenotransplantation, 2014, 21, 99-114.	2.8	75
72	Life-supporting Kidney Xenotransplantation From Genetically Engineered Pigs in Baboons: A Comparison of Two Immunosuppressive Regimens. Transplantation, 2019, 103, 2090-2104.	1.0	74

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73	Skin xenotransplantation: Historical review and clinical potential. Burns, 2018, 44, 1738-1749.	1.9	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.	1.0	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.	4.7	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.	8.3	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.	1.0	71
78	Investigation of potential carbohydrate antigen targets for human and baboon antibodies. Xenotransplantation, 2010, 17, 197-206.	2.8	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.	2.8	70
80	Coagulation dysregulation as a barrier to xenotransplantation in the primate. Transplant Immunology, 2009, 21, 75-80.	1.2	70
81	Antibodies directed to pig non-Gal antigens in naÃ¯ve and sensitized baboons. Xenotransplantation, 2006, 13, 400-407.	2.8	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.	3.3	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.	1.0	67
84	Report from IPITA-TTS Opinion Leaders Meeting on the Future of Î²-Cell Replacement. Transplantation, 2016, 100, S1-S44.	1.0	66
85	Venular thrombosis is the key event in the pathogenesis of antibody-mediated cardiac rejection. Xenotransplantation, 2000, 7, 31-41.	2.8	64
86	Hepatic Function After Genetically Engineered Pig Liver Transplantation in Baboons. Transplantation, 2010, 90, 483-493.	1.0	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.	2.8	64
88	Pharmacologic immunosuppressive therapy and extracorporeal immunoadsorption in the suppression of antiâ€Î±Gal antibody in the baboon. Xenotransplantation, 1998, 5, 274-283.	2.8	62
89	Activation of Porcine Cytomegalovirus, but Not Porcine Lymphotropic Herpesvirus, in Pigâ€toâ€Baboon Xenotransplantation. Journal of Infectious Diseases, 2004, 189, 1628-1633.	4.0	60
90	Clinical lung xenotransplantation â€“ what donor genetic modifications may be necessary?. Xenotransplantation, 2012, 19, 144-158.	2.8	60

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91	Pig-to-Primate Islet Xenotransplantation: Past, Present, and Future. Cell Transplantation, 2017, 26, 925-947.	2.5	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.	2.8	59
93	Selection of Patients for Initial Clinical Trials of Solid Organ Xenotransplantation. Transplantation, 2017, 101, 1551-1558.	1.0	59
94	Regulation of human platelet aggregation by genetically modified pig endothelial cells and thrombin inhibition. Xenotransplantation, 2014, 21, 72-83.	2.8	58
95	Chapter 4: Preâ€clinical efficacy and complication data required to justify a clinical trial. Xenotransplantation, 2009, 16, 229-238.	2.8	57
96	Regulation of Clinical Xenotransplantationâ€”Time for a Reappraisal. Transplantation, 2017, 101, 1766-1769.	1.0	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.	2.8	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.	2.8	56
99	Early Islet Damage after Direct Exposure of Pig Islets to Blood: Has Humoral Immunity Been Underestimated?. Cell Transplantation, 2012, 21, 1791-1802.	2.5	56
100	Jewish, Christian and Muslim theological perspectives about xenotransplantation. Xenotransplantation, 2018, 25, e12400.	2.8	56
101	ABO-incompatible organ and bone marrow transplantation: current status. Transplant International, 2003, 16, 291-299.	1.6	55
102	The immunology of corneal xenotransplantation: a review of the literature. Xenotransplantation, 2010, 17, 338-349.	2.8	55
103	Islet xenotransplantation: what is the optimal age of the isletâ€source pig?. Xenotransplantation, 2015, 22, 7-19.	2.8	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.	2.8	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.	1.0	53
106	Reduced Efficacy of Ganciclovir Against Porcine and Baboon Cytomegalovirus in Pig-to-Baboon Xenotransplantation. American Journal of Transplantation, 2003, 3, 1057-1064.	4.7	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.	1.6	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.	1.2	53

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109	Anti-CD154 monoclonal antibody and thromboembolism revisited. Transplantation, 2002, 74, 416.	1.0	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.	2.8	52
111	Suppressive Efficacy and Proliferative Capacity of Human Regulatory T Cells in Allogeneic and Xenogeneic Responses. Transplantation, 2008, 86, 1452-1462.	1.0	51
112	Pig Liver Xenotransplantation as a Bridge to Allotransplantation: Which Patients Might Benefit?. Transplantation, 2009, 88, 1041-1049.	1.0	50
113	The effect of Gal expression on pig cells on the human Tâ€cell xenoresponse. Xenotransplantation, 2012, 19, 56-63.	2.8	50
114	Early weaning of piglets fails to exclude porcine lymphotropic herpesvirus. Xenotransplantation, 2005, 12, 59-62.	2.8	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.	1.6	48
116	Primitive hematopoietic cell populations reside in the spleen: Studies in the pig, baboon, and human. Experimental Hematology, 2006, 34, 1573-1582.	0.4	48
117	Clinical Pig Kidney Xenotransplantation: How Close Are We?. Journal of the American Society of Nephrology: JASN, 2020, 31, 12-21.	6.1	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.	1.0	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.	2.6	47
122	Further evidence for sustained systemic inflammation in xenograft recipients (<scp>SIXR</scp>). Xenotransplantation, 2015, 22, 399-405.	2.8	47
123	The Role of Costimulation Blockade in Solid Organ and Islet Xenotransplantation. Journal of Immunology Research, 2017, 2017, 1-11.	2.2	47
124	Intravenous synthetic Î±gal saccharides delay hyperacute rejection following pigâ€toâ€baboon heart transplantation. Xenotransplantation, 1999, 6, 36-42.	2.8	46
125	Inhibition of platelet aggregation in baboons: therapeutic implications for xenotransplantation. Xenotransplantation, 2000, 7, 247-257.	2.8	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.	1.4	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.	1.6	44
128	Pig Liver Xenotransplantation. Transplantation, 2016, 100, 2039-2047.	1.0	44
129	Renal xenotransplantation: experimental progress and clinical prospects. Kidney International, 2017, 91, 790-796.	5.2	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.	1.0	44
131	New Concepts of Immune Modulation in Xenotransplantation. Transplantation, 2013, 96, 937-945.	1.0	43
132	Initial in vitro studies on tissues and cells from GTKO/CD46/NeuGcKO pigs. Xenotransplantation, 2016, 23, 137-150.	2.8	43
133	Physiologic Aspects of Pig Kidney Transplantation in Nonhuman Primates. Comparative Medicine, 2018, 68, 332-340.	1.0	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.	4.7	42
135	Progress in xenotransplantation following the introduction of gene-knockout technology. Transplant International, 2007, 20, 107-17.	1.6	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.	2.8	42
137	Anti-Neu5Gc and anti-non-Neu5Gc antibodies in healthy humans. PLoS ONE, 2017, 12, e0180768.	2.5	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.	4.1	41
139	Decellularization methods for developing porcine corneal xenografts and future perspectives. Xenotransplantation, 2019, 26, e12564.	2.8	41
140	MECHANISMS OF THROMBOTIC MICROANGIOPATHY FOLLOWING XENOGENEIC HEMATOPOIETIC PROGENITOR CELL TRANSPLANTATION1. Transplantation, 2001, 71, 1601-1609.	1.0	39
141	Safe Induction of Diabetes by High-Dose Streptozotocin in Pigs. Pancreas, 2008, 36, 31-38.	1.1	38
142	Antiâ€gal antibodies in Î±1,3â€galactosyltransferase geneâ€knockout pigs. Xenotransplantation, 2012, 19, 305-310.	2.8	38
143	Kidney xenotransplantation. Kidney International, 2014, 85, 265-275.	5.2	38
144	Is sensitization to pig antigens detrimental to subsequent allotransplantation?. Xenotransplantation, 2018, 25, e12393.	2.8	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.	2.8	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.	1.3	38
147	The immense potential of xenotransplantation in surgery. International Journal of Surgery, 2011, 9, 122-129.	2.7	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.	4.1	37
149	Recent advances in understanding xenotransplantation: implications for the clinic. Expert Review of Clinical Immunology, 2015, 11, 1379-1390.	3.0	37
150	Overcoming Coagulation Dysregulation in Pig Solid Organ Transplantation in Nonhuman Primates. Transplantation, 2018, 102, 1050-1058.	1.0	37
151	Pig kidney xenotransplantation: Progress toward clinical trials. Clinical Transplantation, 2021, 35, e14139.	1.6	37
152	Elicited Antibodies in Baboons Exposed to Tissues from ??1,3-Galactosyltransferase Gene-Knockout Pigs. Transplantation, 2006, 81, 1058-1062.	1.0	36
153	Glucose metabolism in pigs expressing human genes under an insulin promoter. Xenotransplantation, 2015, 22, 70-79.	2.8	36
154	Systemic inflammation in xenograft recipients (SIXR): A new paradigm in pig-to-primate xenotransplantation?. International Journal of Surgery, 2015, 23, 301-305.	2.7	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.	2.8	36
156	Therapeutic regulation of systemic inflammation in xenograft recipients. Xenotransplantation, 2017, 24, e12296.	2.8	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.	1.0	36
158	Genetically-Engineered Pig-to-Baboon Liver Xenotransplantation: Histopathology of Xenografts and Native Organs. PLoS ONE, 2012, 7, e29720.	2.5	35
159	Distribution of Non-Gal Antigens in Pig Cornea. Cornea, 2014, 33, 390-397.	1.7	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.	1.6	34
161	Induction of Diabetes in Cynomolgus Monkeys With High-dose Streptozotocin. Pancreas, 2006, 33, 287-292.	1.1	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.	2.4	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.	2.8	34
164	The role of platelets in coagulation dysfunction in xenotransplantation, and therapeutic options. Xenotransplantation, 2014, 21, 201-220.	2.8	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.	2.8	34
166	The final obstacle to successful preâ€clinical xenotransplantation?. Xenotransplantation, 2020, 27, e12596.	2.8	34
167	Potential pathological role of proâ€inflammatory cytokines (ILâ€6, TNFâ€Î±, and ILâ€17) in xenotransplantation. Xenotransplantation, 2019, 26, e12502.	2.8	33
168	Metaâ€analysis of public perception toward xenotransplantation. Xenotransplantation, 2020, 27, e12583.	2.8	33
169	A comparison of three methods of decellularization of pig corneas to reduce immunogenicity. International Journal of Ophthalmology, 2014, 7, 587-93.	1.1	33
170	Genetically engineered pig red blood cells for clinical transfusion: initial in vitro studies. Transfusion, 2009, 49, 2418-2429.	1.6	32
171	Clinical pig liver xenotransplantation: how far do we have to go?. Xenotransplantation, 2011, 18, 158-167.	2.8	32
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