Michael E Breimer

List of Publications by Year
in descending order

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51 papers	2,202 citations	201674 27 h-index	223800 46 g-index
53 all docs	53 docs citations	53 times ranked	1665 citing authors

#	Article	IF	Citations
1	No evidence of pig DNA or retroviral infection in patients with short-term extracorporeal connection to pig kidneys. Lancet, The, 1998, 352, 699-701.	13.7	292
2	Multicenter Evaluation of a Novel Endothelial Cell Crossmatch Test in Kidney Transplantation. Transplantation, 2009, 87, 549-556.	1.0	106
3	Blood Group A and B Antigen Expression in Human Kidneys Correlated to A1/A2/B, Lewis, and Secretor Status. Transplantation, 2006, 82, 479-485.	1.0	97
4	Selected ion monitoring of glycosphingolipid mixtures. Identification of several blood group type glycolipids in the small intestine of an individual rabbit. Biomedical Mass Spectrometry, 1979, 6, 231-241.	1.9	91
5	Glycosphingolipids and the differentiation of intestinal epithelium. Experimental Cell Research, 1981, 135, 1-13.	2.6	91
6	Glycosphingolipids of Human Large Intestine: Detailed Structural Characterization with Special Reference to Blood Group Compounds and Bacterial Receptor Structures1. Journal of Biochemistry, 1991, 110, 120-131.	1.7	88
7	Structural characterization of a blood group A heptaglycosylceramide with globo-series structure. FEBS Letters, 1985, 179, 165-172.	2.8	76
8	Recent investigations into pig antigen and anti-pig antibody expression. International Journal of Surgery, 2015, 23, 223-228.	2.7	70
9	Recognition of Blood Group ABH Type 1 Determinants by the FedF Adhesin of F18-fimbriated Escherichia coli. Journal of Biological Chemistry, 2009, 284, 9713-9726.	3.4	66
10	Blood Group Type Glycosphingolipids from the Small Intestine of Different Animals Analysed by Mass Spectrometry and Thin-Layer Chromatography. A Note on Species Diversity12. Journal of Biochemistry, 1981, 90, 589-609.	1.7	64
11	Characterization of immunogenic Neu5Gc in bioprosthetic heart valves. Xenotransplantation, 2016, 23, 381-392.	2.8	63
12	Structural characterization of Î±1,3-galactosyltransferase knockout pig heart and kidney glycolipids and their reactivity with human and baboon antibodies. Xenotransplantation, 2010, 17, 48-60.	2.8	61
13	Structural Characterization of Non-Acid Glycosphingolipids in Kidneys of Single Blood Group O and A Pigs1. Journal of Biochemistry, 1990, 108, 766-777.	1.7	55
14	Extracorporeal (â€œex vivoâ€) connection of pig kidneys to humans. I. Clinical data and studies of platelet destruction. Xenotransplantation, 1996, 3, 328-339.	2.8	55
15	Glycosphingolipid composition of epithelial cells isolated along the villus axis of small intestine of a single human individual. Glycobiology, 2012, 22, 1721-1730.	2.5	53
16	ABO-incompatible live donor renal transplantation using blood group A/B carbohydrate antigen immunoadsorption and anti-CD20 antibody treatment.. Xenotransplantation, 2006, 13, 148-153.	2.8	50
17	Gal/nonâ€Gal antigens in pig tissues and human nonâ€Gal antibodies in the GalTâ€KO era¹. Xenotransplantation, 2011, 18, 215-228.	2.8	44
18	Extracorporeal (â€œex vivoâ€) connection of pig kidneys to humans. II. The antiâ€pig antibody response. Xenotransplantation, 1996, 3, 340-353.	2.8	41

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19	Studies on Glycolipid Antigens in Small Intestine and Pancreas from Î±1,3-Galactosyltransferase Knockout Miniature Swine. Transplantation, 2007, 84, 1348-1356.	1.0	40
20	The role of antibody responses against glycans in bioprosthetic heart valve calcification and deterioration. Nature Medicine, 2022, 28, 283-294.	30.7	40
21	Electrospray ionization and collision-induced dissociation time-of-flight mass spectrometry of neutral glycosphingolipids. , 1998, 12, 637-645.		38
22	Is sensitization to pig antigens detrimental to subsequent allotransplantation?. Xenotransplantation, 2018, 25, e12393.	2.8	38
23	The Preparative Separation of Sialic Acid-Containing Lipids from Sulphate Group-Containing Glycolipids from Small Intestine of Different Animals. Analysis by Thin-Layer Chromatography and Detection of Novel Species1. Journal of Biochemistry, 1983, 93, 1473-1485.	1.7	33
24	Studies on the removal of antiâ€pig xenoantibodies in the human by plasmapheresis/immunoadsorption. Xenotransplantation, 1995, 2, 253-263.	2.8	32
25	Characterization of a mouse monoclonal IgG3 antibody to the tumor-associated globo H structure produced by immunization with a synthetic glycoconjugate. Glycoconjugate Journal, 1998, 15, 243-249.	2.7	31
26	Norovirus GII.4 Virusâ€like Particles Recognize Galactosylceramides in Domains of Planar Supported Lipid Bilayers. Angewandte Chemie - International Edition, 2012, 51, 12020-12024.	13.8	31
27	Lack of antibody production against Hanganutziu-Deicher (H-D) antigens with N-glycolylneuraminic acid in patients with porcine exposure history. Xenotransplantation, 2000, 7, 177-180.	2.8	30
28	Separation and Characterization of Hematosides with Different Sialic Acids and Ceramides from Rat Small Intestine. Different Composition of Epithelial Cells versus Non-Epithelial Tissue and of Duodenum versus Jejunum-Ileum1. Journal of Biochemistry, 1981, 90, 909-921.	1.7	29
29	Sequencing of oligosaccharides by mass spectrometry applied on a 12-sugar glycolipid. FEBS Letters, 1981, 124, 299-303.	2.8	28
30	Release of pig leukocytes during pig kidney perfusion and characterization of pig lymphocyte carbohydrate xenoantigens. Xenotransplantation, 2003, 10, 432-445.	2.8	28
31	Human blood group a-positive and -negative strains of rat. Chemical basis as shown by fucolipids of small intestine. FEBS Letters, 1980, 114, 51-56.	2.8	27
32	Characterization of acid and nonâ€acid glycosphingolipids of porcine heart valve cusps as potential immune targets in biological heart valve grafts. Xenotransplantation, 2014, 21, 510-522.	2.8	27
33	Structure determination of blood group type glycolipids of cat small intestine by mass fragmentography. FEBS Letters, 1978, 89, 42-46.	2.8	26
34	Studies on differentiating epithelial cells of rat small intestine. Lipids and Lipid Metabolism, 1982, 710, 415-427.	2.6	25
35	Extracorporeal (â€œex vivoâ€) connection of pig kidneys to humans. III. Studies of plasma complement activation and complement deposition in the kidney tissue. Xenotransplantation, 1998, 5, 176-183.	2.8	23
36	Glycosphingolipids of human embryonic stem cells. Glycoconjugate Journal, 2017, 34, 713-723.	2.7	23

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37	Physiological and Histological Characterisation of a Pig Kidneyin VitroPerfusion Model for Xenotransplantation Studies. Scandinavian Journal of Urology and Nephrology, 1996, 30, 213-221.	1.4	21
38	Structural Complexity of Non-acid Glycosphingolipids in Human Embryonic Stem Cells Grown under Feeder-free Conditions. Journal of Biological Chemistry, 2013, 288, 10035-10050.	3.4	21
39	Antigenâ€binding specificity of antiâ€Î±Gal reagents determined by solidâ€phase glycolipidâ€binding assays. A complete lack of Î±Gal glycolipid reactivity in Î±1,3GalTâ€KO pig small intestine. Xenotransplantation, 2011, 18, 28-39.	2.8	18
40	Chemical and lectinâ€gold electron microscopical studies of the expression of the GalÎ±1â€determinant in the pig aorta. Xenotransplantation, 1998, 5, 246-256.	2.8	15
41	Glycosphingolipids of porcine, bovine, and equine pericardia as potential immune targets in bioprosthetic heart valve grafts. Xenotransplantation, 2018, 25, e12406.	2.8	15
42	Glycolipid- and glycoprotein-based blood group A antigen expression in human thrombocytes. A1/A2 difference. Glycoconjugate Journal, 1990, 7, 601-608.	2.7	14
43	Glycolipid pattern of stomach tissue of a human with the rare blood group A,p. FEBS Letters, 1980, 118, 209-211.	2.8	13
44	HLA and Histo-Blood Group Antigen Expression in Human Pluripotent Stem Cells and their Derivatives. Scientific Reports, 2017, 7, 13072.	3.3	13
45	Identification by mass spectrometry and immunoblotting of xenogeneic antigens in the N- and O-glycomes of porcine, bovine and equine heart tissues. Glycoconjugate Journal, 2020, 37, 485-498.	2.7	12
46	An ELISA technique for quantitation of human xenoantibodies binding to pig cells: Application in patients with pig kidneys extracorporeally connected to the circulation. Xenotransplantation, 1998, 5, 105-110.	2.8	10
47	Expression of carbohydrate xenoantigens on porcine peripheral nerve. Xenotransplantation, 2005, 12, 49-58.	2.8	10
48	Immunohistochemical Studies on Galectin Expression in Colectomised Patients with Ulcerative Colitis. BioMed Research International, 2016, 2016, 1-10.	1.9	10
49	The Structural Complexity and Animal Tissue Distribution of N-Glycolylneuraminic Acid (Neu5Gc)-Terminated Glycans. Implications for Their Immunogenicity in Clinical Xenografting. Frontiers in Molecular Biosciences, 2019, 6, 57.	3.5	9
50	Blood group glycosphingolipid expression in kidney of an individual with the rare blood group A1 Le(a?b+) p phenotype: absence of blood group structures based on the globoseries. Glycoconjugate Journal, 1996, 13, 307-313.	2.7	4
51	In vitro assessment of a new ABO immuno-sorbent with synthetic carbohydrates attached to sepharose. Transplant International, 2004, 17, 666-672.	1.6	3