

# Pierre Gianello

## List of Publications by Year in descending order

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120  
papers

4,170  
citations

136885

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docs citations

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3951  
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#	ARTICLE	IF	CITATIONS
1	Fucoidan Hydrogels Significantly Alleviate Oxidative Stress and Enhance the Endocrine Function of Encapsulated Beta Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2011205.	7.8	8
2	Semi-automated digital quantification of cellular infiltrates for in vivo evaluation of transplanted islets of Langerhans encapsulated with bioactive materials. <i>Xenotransplantation</i> , 2021, 28, e12704.	1.6	1
3	Fucoidan Hydrogels Significantly Alleviate Oxidative Stress and Enhance the Endocrine Function of Encapsulated Beta Cells (Adv. Funct. Mater. 35/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170255.	7.8	0
4	Selective HIF stabilization alleviates hepatocellular steatosis and ballooning in a rodent model of 70% liver resection. <i>Clinical Science</i> , 2021, 135, 2285-2305.	1.8	5
5	Influence of Different Partial Pressures of Oxygen During Continuous Hypothermic Machine Perfusion in a Pig Kidney Ischemia-reperfusion Autotransplant Model. <i>Transplantation</i> , 2020, 104, 731-743.	0.5	21
6	INHIBITION OF THE FAS PATHWAY OF APOPTOSIS WITH RNA INTERFERENCE DURING LIVER MACHINE PERFUSION PRESERVATION REDUCES ISCHEMIA REPERFUSION INJURY AFTER LIVER TRANSPLANTATION. <i>Transplantation</i> , 2020, 104, S176-S176.	0.5	0
7	Development of vascularized nerve scaffold using perfusion-decellularization and recellularization. <i>Materials Science and Engineering C</i> , 2020, 117, 111311.	3.8	19
8	Brief Bubble and Intermittent Surface Oxygenation Is a Simple and Effective Alternative for Membrane Oxygenation During Hypothermic Machine Perfusion in Kidneys. <i>Transplantation Direct</i> , 2020, 6, e571.	0.8	8
9	Safety and function of a new pre-vascularized bioartificial pancreas in an allogeneic rat model. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142092481.	2.3	16
10	Brief O2 uploading during continuous hypothermic machine perfusion is simple yet effective oxygenation method to improve initial kidney function in a porcine autotransplant model. <i>American Journal of Transplantation</i> , 2020, 20, 2030-2043.	2.6	32
11	Integration of nano- and biotechnology for beta cell and islet transplantation in type 1 diabetes treatment. <i>Cell Proliferation</i> , 2020, 53, e12785.	2.4	18
12	Adult-to-adult living-donor liver transplantation: The experience of the Universit� catholique de Louvain. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2019, 18, 132-142.	0.6	12
13	Cover Image, Volume 26, Issue 2. <i>Xenotransplantation</i> , 2019, 26, e12520.	1.6	0
14	Long-term culture and in vitro maturation of macroencapsulated adult and neonatal porcine islets. <i>Xenotransplantation</i> , 2019, 26, e12461.	1.6	10
15	The effect on early renal function of various dynamic preservation strategies in a preclinical pig ischemia-reperfusion autotransplant model. <i>American Journal of Transplantation</i> , 2019, 19, 752-762.	2.6	38
16	Enhanced Vascular Biocompatibility and Remodeling of Decellularized and Secured Xenogeneic/Allogeneic Matrices in a Porcine Model. <i>European Surgical Research</i> , 2018, 59, 58-71.	0.6	12
17	Perfusion-decellularization of human ear grafts enables ECM-based scaffolds for auricular vascularized composite tissue engineering. <i>Acta Biomaterialia</i> , 2018, 73, 339-354.	4.1	54
18	Enhanced vascular regeneration with chemically/physically treated bovine/human pericardium in rodents. <i>Journal of Surgical Research</i> , 2018, 222, 167-179.	0.8	10

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19	Porcine pulmonary valve decellularization with NaOH-based vs detergent process: preliminary in vitro and in vivo assessments. <i>Journal of Cardiothoracic Surgery</i> , 2018, 13, 34.	0.4	15
20	Decellularized and Secured Porcine Arteries with NaOH-based Process: Proof of Concept. <i>Annals of Vascular Surgery</i> , 2018, 49, 179-190.	0.4	7
21	Decellularization of the Porcine Ear Generates a Biocompatible, Nonimmunogenic Extracellular Matrix Platform for Face Subunit Bioengineering. <i>Annals of Surgery</i> , 2018, 267, 1191-1201.	2.1	39
22	Face Graft Scaffold Production in a Rat Model. <i>Plastic and Reconstructive Surgery</i> , 2018, 141, 95-103.	0.7	20
23	Examining the potential for porcine-derived islet cells to harbour viral pathogens. <i>Xenotransplantation</i> , 2018, 25, e12375.	1.6	16
24	Nose and Lip Graft Variants. <i>Plastic and Reconstructive Surgery</i> , 2018, 141, 751-761.	0.7	10
25	Impact of Different Dynamic Preservation Strategies on Early Renal Function and Physical Machine Perfusion Parameters in a Porcine DCD Auto-Transplant Model. <i>Transplantation</i> , 2018, 102, S352.	0.5	1
26	High Oxygen Pressure during Continuous Hypothermic Machine Perfusion is Associated with a Better Ex Vivo Renal Blood Flow and Early Graft Function in a Porcine DCD Auto-Transplant Model. <i>Transplantation</i> , 2018, 102, S701.	0.5	0
27	Tacrolimus (TAC) and Single Intra-Operative High-Dose of r-ATG Induction vs. Tacrolimus Monotherapy as Immunosuppression (IS) in Adult Liver Transplantation (LT). <i>Transplantation</i> , 2018, 102, S385.	0.5	1
28	Tacrolimus and Single Intraoperative High-dose of Anti-T-lymphocyte Globulins Versus Tacrolimus Monotherapy in Adult Liver Transplantation. <i>Annals of Surgery</i> , 2018, 268, 776-783.	2.1	12
29	Assessment of porcine endogenous retrovirus transmission across an alginate barrier used for the encapsulation of porcine islets. <i>Xenotransplantation</i> , 2018, 25, e12409.	1.6	11
30	Viral pathogens: What are they and do they matter?. <i>Xenotransplantation</i> , 2018, 25, e12412.	1.6	1
31	Characterization of porcine endogenous retrovirus expression in neonatal and adult pig pancreatic islets. <i>Xenotransplantation</i> , 2017, 24, e12311.	1.6	20
32	Bioengineering a Human Face Graft. <i>Annals of Surgery</i> , 2017, 266, 754-764.	2.1	40
33	Transgenic Expression of Glucagon-Like Peptide-1 (GLP-1) and Activated Muscarinic Receptor (M3R) Significantly Improves Pig Islet Secretory Function. <i>Cell Transplantation</i> , 2017, 26, 901-911.	1.2	25
34	Gene Editing, Gene Therapy, and Cell Xenotransplantation: Cell Transplantation Across Species. <i>Current Transplantation Reports</i> , 2017, 4, 193-200.	0.9	14
35	Specific branches of hypoglossal nerve to genioglossus muscle as a potential target of selective neurostimulation in obstructive sleep apnea: anatomical and morphometric study. <i>Surgical and Radiologic Anatomy</i> , 2017, 39, 507-515.	0.6	14
36	CorMatrix valved conduit in a porcine model: long-term remodelling and biomechanical characterization. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 24, 90-98.	0.5	23

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37	Experimental Aortic Valve Cusp Extension with CorMatrix in a Porcine Model. Thoracic and Cardiovascular Surgeon, 2017, 65, 206-210.	0.4	4
38	Single-Artery Human Ear Graft Procurement: A Simplified Approach. Plastic and Reconstructive Surgery, 2017, 140, 599-603.	0.7	10
39	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes - Chapter 4: pre-clinical efficacy and complication data required to justify a clinical trial. Xenotransplantation, 2016, 23, 46-52.	1.6	36
40	Immunoisolation of Human or Xenogeneic Insulin-Producing Cells. Transplantation, 2016, 100, 1592-1594.	0.5	2
41	CRT-500.04 Biodegradation of Subcutaneously Implanted Cardiac Tissue Substitutes in Chronic Swine and Ovine Models. JACC: Cardiovascular Interventions, 2016, 9, S54.	1.1	1
42	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes - Chapter 1: update on national regulatory frameworks pertinent to clinical is. Xenotransplantation, 2016, 23, 14-24.	1.6	24
43	Small intestinal submucosa extracellular matrix (CorMatrix®) in cardiovascular surgery: a systematic review. Interactive Cardiovascular and Thoracic Surgery, 2016, 22, 839-850.	0.5	111
44	Hypothermic continuous machine perfusion enables preservation of energy charge and functional recovery of heart grafts in an <i>ex vivo</i> model of donation following circulatory death. European Journal of Cardio-thoracic Surgery, 2016, 49, 1348-1353.	0.6	39
45	Hypothermic continuous machine perfusion improves metabolic preservation and functional recovery in heart grafts. Transplant International, 2015, 28, 224-231.	0.8	20
46	Macroencapsulated Pig Islets Correct Induced Diabetes in Primates up to 6 Months. Advances in Experimental Medicine and Biology, 2015, 865, 157-170.	0.8	2
47	Surgical anatomy of the aortic root: Implication for valve-sparing reimplantation and aortic valve annuloplasty. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 425-433.	0.4	87
48	The International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of xenocorneal transplantation. Xenotransplantation, 2014, 21, 420-430.	1.6	31
49	Development of Antidonator Antibody Directed Toward Non-Major Histocompatibility Complex Antigens in Tolerant Animals. Transplantation, 2014, 98, 514-519.	0.5	5
50	Cell Replacement Strategies Aimed at Reconstitution of the $\beta$ -Cell Compartment in Type 1 Diabetes. Diabetes, 2014, 63, 1433-1444.	0.3	54
51	Improvement of Subcutaneous Bioartificial Pancreas Vascularization and Function by Coencapsulation of Pig Islets and Mesenchymal Stem Cells in Primates. Cell Transplantation, 2014, 23, 1349-1364.	1.2	80
52	Is Minimal, [Almost] Steroid-Free Immunosuppression a Safe Approach in Adult Liver Transplantation? Long-term Outcome of a Prospective, Double Blind, Placebo-Controlled, Randomized, Investigator-Driven Study. Annals of Surgery, 2014, 260, 886-892.	2.1	50
53	Galactosyl-knock-out engineered pig as a xenogenic donor source of adipose MSCs for bone regeneration. Biomaterials, 2013, 34, 3279-3289.	5.7	16
54	Critical size bone defect reconstruction by an autologous 3D osteogenic-like tissue derived from differentiated adipose MSCs. Biomaterials, 2013, 34, 4428-4438.	5.7	63

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55	Bioengineered Sites for Islet Cell Transplantation. <i>Current Diabetes Reports</i> , 2013, 13, 745-755.	1.7	56
56	Improvement of Pig Islet Function by In Vivo Pancreatic Tissue Remodeling: A "Human-Like" Pig Islet Structure with Streptozotocin Treatment. <i>Cell Transplantation</i> , 2013, 22, 2161-2173.	1.2	3
57	Pig islet for xenotransplantation in human: structural and physiological compatibility for human clinical application. <i>Transplantation Reviews</i> , 2012, 26, 183-188.	1.2	45
58	Macro- or microencapsulation of pig islets to cure type 1 diabetes. <i>World Journal of Gastroenterology</i> , 2012, 18, 6885.	1.4	60
59	Antibody production by injection of living cells expressing non self antigens as cell surface type II transmembrane fusion protein. <i>Journal of Immunological Methods</i> , 2011, 367, 70-77.	0.6	3
60	The enhanced performance of bone allografts using osteogenic-differentiated adipose-derived mesenchymal stem cells. <i>Biomaterials</i> , 2011, 32, 8880-8891.	5.7	85
61	The impact of hyperglycemia and the presence of encapsulated islets on oxygenation within a bioartificial pancreas in the presence of mesenchymal stem cells in a diabetic Wistar rat model. <i>Biomaterials</i> , 2011, 32, 5945-5956.	5.7	51
62	Alginate Macroencapsulation of Pig Islets Allows Correction of Streptozotocin-Induced Diabetes in Primates up to 6 Months Without Immunosuppression. <i>Transplantation</i> , 2010, 90, 1054-1062.	0.5	212
63	Beta-5 Score to evaluate pig islet graft function in a primate pre-clinical model. <i>Xenotransplantation</i> , 2010, 17, 449-459.	1.6	7
64	Intracardiac allogeneic mesenchymal stem cell transplantation elicits neo-angiogenesis in a fully immunocompetent ischaemic swine model†. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 38, 781-787.	0.6	27
65	M1506: Prospective Comparison of Full Thickness Resection of Submucosal Tumours With and Without a New Grasping Device to Help Triangulation: The Endolifter. <i>Gastrointestinal Endoscopy</i> , 2010, 71, AB239-AB240.	0.5	0
66	<i>In Vivo</i> Selection of Biocompatible Alginates for Islet Encapsulation and Subcutaneous Transplantation. <i>Tissue Engineering - Part A</i> , 2010, 16, 1503-1513.	1.6	86
67	Cellular xenotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2009, 14, 168-174.	0.8	25
68	Minimization of steroids in liver transplantation. <i>Transplant International</i> , 2009, 22, 2-19.	0.8	31
69	Native pancreatic $\beta$ -cell adaptation in streptozotocin-induced diabetic primates: importance for pig islet xenotransplantation. <i>Xenotransplantation</i> , 2009, 16, 152-163.	1.6	10
70	Accommodation and antibodies. <i>Transplant Immunology</i> , 2009, 21, 106-110.	0.6	26
71	Pig islets for clinical islet xenotransplantation. <i>Current Opinion in Nephrology and Hypertension</i> , 2009, 18, 495-500.	1.0	20
72	Regeneration of abdominal wall musculofascial defects by a human acellular collagen matrix. <i>Biomaterials</i> , 2008, 29, 2237-2248.	5.7	18

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73	Dissecting the instant bloodâ€­mediated inflammatory reaction in islet xenotransplantation. Xenotransplantation, 2008, 15, 225-234.	1.6	121
74	Tacrolimus Monotherapy in Liver Transplantation. Annals of Surgery, 2008, 248, 956-967.	2.1	62
75	Pig Islet Xenotransplantation Into Non-human Primate Model. Transplantation, 2008, 86, 753-760.	0.5	48
76	Inhibition of Humoral Response to Allogeneic Porcine Mesenchymal Stem Cell With 12 Days of Tacrolimus. Transplantation, 2008, 86, 1586-1595.	0.5	20
77	Although Pig Allogeneic Mesenchymal Stem Cells Are Not Immunogenic In Vitro, Intracardiac Injection Elicits an Immune Response In Vivo. Transplantation, 2007, 83, 783-790.	0.5	207
78	Natural antibodyâ€­complement dependent neutralization of bovine herpesvirus 4 by human serum. Microbes and Infection, 2007, 9, 1530-1537.	1.0	3
79	A new start for xenotransplantation research in the European Union. Xenotransplantation, 2007, 14, 196-197.	1.6	4
80	xenome: A new start for xenotransplantation research in the EU. Xenotransplantation, 2007, 14, 370-371.	1.6	1
81	Streptozotocin-Induced Diabetes in Large Animals (Pigs/Primates): Role of GLUT2 Transporter and Î²-cell Plasticity. Transplantation, 2006, 81, 36-45.	0.5	99
82	Six-Month Survival of Microencapsulated Pig Islets and Alginate Biocompatibility in Primates: Proof of Concept. Transplantation, 2006, 81, 1345-1353.	0.5	200
83	Parameters favouring successful adult pig islet isolations for xenotransplantation in pig-to-primate models. Xenotransplantation, 2006, 13, 204-214.	1.6	67
84	The influence of implantation site on the biocompatibility and survival of alginate encapsulated pig islets in rats. Biomaterials, 2006, 27, 3201-3208.	5.7	104
85	A Simple Method Using a Polymethylpenten Chamber for Isolation of Human Pancreatic Islets. Pancreas, 2005, 30, e51-e59.	0.5	19
86	Anti-CD2 Monoclonal Antibody and Tacrolimus in Adult Liver Transplantation. Transplantation, 2005, 80, 1186-1193.	0.5	20
87	Early biological and immune response to semi-identical liver or kidney allograft in miniature swine. Transplant International, 2005, 18, 78-88.	0.8	6
88	Improved survival of orthotopic liver allograft in swine by addition of trophic factors to University of Wisconsin solution. Transplantation, 2004, 77, 302-304.	0.5	29
89	THYMECTOMY IMPAIRS BUT DOES NOT UNIFORMLY ABROGATE LONG-TERM ACCEPTANCE OF SEMI-IDENTICAL LIVER ALLOGRAFT IN INBRED MINIATURE SWINE TEMPORARILY TREATED WITH FK506. Transplantation, 2004, 77, 1172-1180.	0.5	3
90	An improved porcine model of stable methacholine-induced bronchospasm. Intensive Care Medicine, 2003, 29, 119-125.	3.9	16

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91	Effects of helium-oxygen on respiratory mechanics, gas exchange, and ventilation-perfusion relationships in a porcine model of stable methacholine-induced bronchospasm. Intensive Care Medicine, 2003, 29, 1560-1566.	3.9	9
92	Mice that Lack Endothelial Nitric Oxide Synthase Are Protected against Functional and Structural Modifications Induced by Acute Peritonitis. Journal of the American Society of Nephrology: JASN, 2003, 14, 3205-3216.	3.0	573
93	Preconditioning of donors with interleukin-10 reduces hepatic ischemia-reperfusion injury after liver transplantation in pigs. Transplantation, 2003, 75, 902-904.	0.5	22
94	Cell-mediated cytotoxicity to porcine aortic endothelial cells is not dependent on galactosyl residues when baboon peripheral blood lymphocytes are previously primed with pig xenoantigens. Transplantation, 2003, 76, 1675-1680.	0.5	4
95	Failures Following Laparoscopic Splenectomy and Their Management With Special Reference to Accessory Spleens and Splenosis. Problems in General Surgery, 2002, 19, 80-94.	0.2	4
96	Characterization of baboon anti-porcine IgG antibodies during acute vascular rejection of porcine kidney xenograft. Xenotransplantation, 2002, 9, 338-349.	1.6	17
97	POSTTRANSPLANT LYMPHOPROLIFERATIVE DISORDER AFTER LIVER TRANSPLANTATION IN MINIATURE SWINE1. Transplantation, 2001, 71, 1684-1688.	0.5	8
98	Effect in vitro and in vivo of a rat anti-CD2 monoclonal antibody (LO-CD2b) on pig-to-baboon xenogeneic cellular (T and natural killer cells) immune response. Xenotransplantation, 2001, 8, 193-201.	1.6	7
99	SIMPLIFIED TECHNIQUE OF ORTHOTOPIC LIVER TRANSPLANTATION IN PIGS1. Transplantation, 2001, 71, 328-331.	0.5	23
100	IN VITRO RECOGNITION AND IMPAIRMENT OF PIG ISLET CELLS BY BABOON IMMUNE CELLS. Transplantation, 2001, 72, 1541-1548.	0.5	2
101	SPECIFIC DEPLETION OF PREFORMED IgM NATURAL ANTIBODIES BY ADMINISTRATION OF ANTI-?? MONOCLONAL ANTIBODY SUPPRESSES HYPERACUTE REJECTION OF PIG TO BABOON RENAL XENOGRAFTS1. Transplantation, 2000, 70, 935-946.	0.5	22
102	Human and non-human primate anti-galactosyl response after injection of rat monoclonal antibody bearing galactosyl epitopes. Xenotransplantation, 2000, 7, 109-117.	1.6	2
103	<i>In Vivo</i> Liver-Directed Gene Transfer in Rats and Pigs with Large Anionic Multilamellar Liposomes: Routes of Administration and Effects of Surgical Manipulations on Transfection Efficiency. Journal of Drug Targeting, 2000, 8, 267-279.	2.1	22
104	A 12-DAY COURSE OF FK506 ALLOWS LONG-TERM ACCEPTANCE OF SEMI-IDENTICAL LIVER ALLOGRAFT IN INBRED MINIATURE SWINE1. Transplantation, 2000, 69, 2304-2314.	0.5	12
105	EFFECTS ON HUMAN AND NONHUMAN PRIMATE IMMUNE RESPONSE OF A NEW RAT ANTI-CD2 MONOCLONAL ANTIBODY1. Transplantation, 2000, 69, 2622-2633.	0.5	17
106	LONG-TERM DISCORDANT XENOGENEIC (PORCINE-TO-PRIMATE) BONE MARROW ENGRAFTMENT IN A MONKEY TREATED WITH PORCINE-SPECIFIC GROWTH FACTORS1. Transplantation, 1999, 67, 972-977.	0.5	52
107	Technical details for safer venous and biliary anastomoses for liver transplantation in the rat. , 1998, 18, 12-18.		20
108	New technique of complete thymectomy in adult rats without tracheal intubation. , 1998, 18, 6-8.		2

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109	EFFECT OF GRAFT PRESERVATION AND IgM DEPLETION ON GUINEA PIG TO RAT CARDIAC XENOGRAFT SURVIVAL <sup>1</sup> . Transplantation, 1997, 63, 1554-1561.	0.5	12
110	Expression Of An Allogeneic MHC DRB Transgene, Through Retroviral Transduction Of Bone Marrow, Induces Specific Reduction Of Alloreactivity <sup>1</sup> . Transplantation, 1997, 64, 1414-1423.	0.5	38
111	EUK-134, A SYNTHETIC SUPEROXIDE DISMUTASE AND CATALASE MIMETIC, PROTECTS RAT KIDNEYS FROM ISCHEMIA-REPERFUSION-INDUCED DAMAGE. Transplantation, 1996, 62, 1664-1666.	0.5	55
112	Xenotransplantation of pig kidneys to nonhuman primates: I. Development of the model. Xenotransplantation, 1995, 2, 264-270.	1.6	76
113	Measurement of the vasoconstrictive substances endothelin, angiotensin II, and thromboxane B <sub>2</sub> , in cold storage solution can reveal previous renal ischemic insults. Transplant International, 1994, 7, 11-16.	0.8	6
114	RETRANSPLANTATION IN MINIATURE SWINE. Transplantation, 1994, 57, 794-798.	0.5	12
115	DEVELOPMENT OF TOLERANCE TO CLASS II-MISMATCHED RENAL TRANSPLANTS AFTER A SHORT COURSE OF CYCLOSPORINE THERAPY IN MINIATURE SWINE. Transplantation, 1994, 57, 1303-1308.	0.5	29
116	Tolerance to Primarily Vascularized Allografts in Miniature Swine. Immunological Reviews, 1993, 133, 19-44.	2.8	49
117	ABO-incompatibility and organ transplantation. Transplantation Reviews, 1991, 5, 230-241.	1.2	27
118	EVIDENCE THAT ATRIAL NATRIURETIC FACTOR IS THE HUMORAL FACTOR BY WHICH VOLUME LOADING OR MANNITOL INFUSION PRODUCES AN IMPROVED RENAL FUNCTION AFTER ACUTE ISCHEMIA. Transplantation, 1989, 48, 9-14.	0.5	9
119	EFFECT OF 9-(2-HYDROXY-1-[HYDROXYMETHYL] ETHOXYMETHYL) GUANINE (DHPG) ON CYTOMEGALOVIRUS PNEUMONITIS AFTER RENAL TRANSPLANTATION. Transplantation, 1988, 46, 594.	0.5	11
120	BENEFICIAL EFFECT OF ATRIAL NATRIURETIC FACTOR ON ISCHEMICALLY INJURED KIDNEYS IN THE RAT. Transplantation, 1988, 45, 860-863.	0.5	9