James F Markmann

List of Publications by Year
in descending order

125 papers	5,047 citations	136740 32 h-index	106150 65 g-index
129 all docs	129 docs citations	129 times ranked	5947 citing authors

#	Article	IF	Citations
1	Kidney transplantation from triple-knockout pigs expressing multiple human proteins in cynomolgus macaques. American Journal of Transplantation, 2022, 22, 46-57.	2.6	64
2	Intrapleural transplantation of allogeneic pancreatic islets achieves glycemic control in a diabetic non-human primate. American Journal of Transplantation, 2022, 22, 966-972.	2.6	5
3	Interleukin-27 in liver xenotransplantation: A rational target to mitigate ischemia reperfusion injury and increase xenograft survival. Transplantation Reviews, 2022, 36, 100674.	1.2	2
4	Impact of Portable Normothermic Blood-Based Machine Perfusion on Outcomes of Liver Transplant. JAMA Surgery, 2022, 157, 189.	2.2	154
5	The IGFBP3/TMEM219 pathway regulates beta cell homeostasis. Nature Communications, 2022, 13, 684.	5.8	16
6	Measuring success in pig to non-human-primate renal xenotransplantation: Systematic review and comparative outcomes analysis of 1051 life-sustaining NHP renal allo- and xeno-transplants. American Journal of Transplantation, 2022, 22, 1527-1536.	2.6	27
7	Reply to â€œLetter to the editor in response to: Measuring success in pig to nonâ€humanâ€primate renal xenotransplantation: Systematic review and comparative outcomes analysis of 1051 lifeâ€sustaining NHP renal alloâ€•and xenoâ€transplantsâ€• American Journal of Transplantation, 2022, , .	2.6	1
8	Kidney xenotransplantation in a brainâ€dead donor: Glass halfâ€full or halfâ€empty?. American Journal of Transplantation, 2022, , .	2.6	6
9	Normothermic Machine Perfusion Increases Donor Liver Use. JAMA Surgery, 2022, 157, 742.	2.2	7
10	FasL microgels induce immune acceptance of islet allografts in nonhuman primates. Science Advances, 2022, 8, eabm9881.	4.7	32
11	Transplantation in the Age of Precision Medicine: The Emerging Field of Treg Therapy. Seminars in Nephrology, 2022, 42, 76-85.	0.6	1
12	Expert Opinion Special Feature: Patient Selection for Initial Clinical Trials of Pig Organ Transplantation. Transplantation, 2022, 106, 1720-1723.	0.5	5
13	Hepatectomy for Solitary Hepatocellular Carcinoma: Resection Margin Width Does Not Predict Survival. Journal of Gastrointestinal Surgery, 2021, 25, 1727-1735.	0.9	9
14	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. American Journal of Transplantation, 2021, 21, 1477-1492.	2.6	64
15	The demise of islet allotransplantation in the United States: A call for an urgent regulatory update. American Journal of Transplantation, 2021, 21, 1365-1375.	2.6	33
16	Feasibility, long-term safety, and immune monitoring of regulatory T cell therapy in living donor kidney transplant recipients. American Journal of Transplantation, 2021, 21, 1603-1611.	2.6	79
17	Posttransplant Outcomes in Older Patients With Hepatocellular Carcinoma Are Driven by Nonâ€“Hepatocellular Carcinoma Factors. Liver Transplantation, 2021, 27, 684-698.	1.3	3
18	Extensive germline genome engineering in pigs. Nature Biomedical Engineering, 2021, 5, 134-143.	11.6	117

#	Article	IF	Citations
19	Expanding controlled donation after the circulatory determination of death: statement from an international collaborative. Intensive Care Medicine, 2021, 47, 265-281.	3.9	80
20	Machine Perfusion of the Liver: A Review of Clinical Trials. Frontiers in Surgery, 2021, 8, 625394.	0.6	18
21	Discovery and Validation of a Urinary Exosome mRNA Signature for the Diagnosis of Human Kidney Transplant Rejection. Journal of the American Society of Nephrology: JASN, 2021, 32, 994-1004.	3.0	44
22	Regulatory B Cells in Autoimmune Diabetes. Journal of Immunology, 2021, 206, 1117-1125.	0.4	6
23	Detection of alloreactive T cells from cryopreserved human peripheral blood mononuclear cells. Journal of Immunological Methods, 2021, 491, 112987.	0.6	1
24	Warming Up to Cold Perfusion. New England Journal of Medicine, 2021, 384, 1458-1459.	13.9	10
25	The Heterogenous Effect of COVID-19 on Liver Transplantation Activity and Waitlist Mortality in the United States. Frontiers in Surgery, 2021, 8, 669129.	0.6	5
26	Thrombolytic Therapy During ex-vivo Normothermic Machine Perfusion of Human Livers Reduces Peribiliary Vascular Plexus Injury. Frontiers in Surgery, 2021, 8, 644859.	0.6	14
27	An Unbiased Machine Learning Exploration Reveals Gene Sets Predictive of Allograft Tolerance After Kidney Transplantation. Frontiers in Immunology, 2021, 12, 695806.	2.2	6
28	Influence of donor and recipient hepatitis B virus infection on longâ€term outcomes after kidney transplantation. Clinical Transplantation, 2021, 35, e14466.	0.8	0
29	The impact of race and comorbid conditions on adult liver transplant outcomes in obese recipients. Transplant International, 2021, 34, 2834-2845.	0.8	0
30	Hepatic vascular remodelling in a patient with dyskeratosis congenita. Histopathology, 2021, , .	1.6	0
31	Ex vivo generation of regulatory T cells from liver transplant recipients using costimulation blockade. American Journal of Transplantation, 2021, , .	2.6	4
32	Properties of regulatory B cells regulating B cell targets. American Journal of Transplantation, 2021, 21, 3847-3857.	2.6	6
33	Evolving utilization of donation after circulatory death livers in liver transplantation: The day of DCD has come. Clinical Transplantation, 2021, 35, e14211.	0.8	20
34	TGFâ€Î²â€secreting regulatory B cells: unsung players in immune regulation. Clinical and Translational Immunology, 2021, 10, e1270.	1.7	23
35	The effect of blood cells retained in rat livers during static cold storage on viability outcomes during normothermic machine perfusion. Scientific Reports, 2021, 11, 23128.	1.6	1
36	Heterogeneity in transplant center responses to the minimum acceptance criteria across UNOS regions. Clinical Transplantation, 2021, , e14551.	0.8	0

#	Article	IF	Citations
37	The efficacy of HBOCâ€201 in ex situ gradual rewarming kidney perfusion in a rat model. Artificial Organs, 2020, 44, 81-90.	1.0	25
38	Progress toward islet transplantation tolerance. , 2020, , 727-739.		0
39	Regulatory B cells require antigen recognition for effective allograft tolerance induction. American Journal of Transplantation, 2020, 20, 977-987.	2.6	13
40	Pathologic Response to Pretransplant Locoregional Therapy is Predictive of Patient Outcome After Liver Transplantation for Hepatocellular Carcinoma. Annals of Surgery, 2020, 271, 616-624.	2.1	65
41	Islet transplantation in the subcutaneous space achieves long-term euglycaemia in preclinical models of type 1 diabetes. Nature Metabolism, 2020, 2, 1013-1020.	5.1	64
42	Making Every Liver Count. Annals of Surgery, 2020, 272, 397-401.	2.1	43
43	Liver transplantation with suprahepatic caval anastomosis including inferior vena cava stent. Transplantation Reports, 2020, 5, 100062.	0.3	0
44	Cell release during perfusion reflects cold ischemic injury in rat livers. Scientific Reports, 2020, 10, 1102.	1.6	11
45	Liver Transplantation Outcomes in a U.S. Multicenter Cohort of 789 Patients With Hepatocellular Carcinoma Presenting Beyond Milan Criteria. Hepatology, 2020, 72, 2014-2028.	3.6	68
46	Split-Liver Ex Situ Machine Perfusion: A Novel Technique for Studying Organ Preservation and Therapeutic Interventions. Journal of Clinical Medicine, 2020, 9, 269.	1.0	16
47	Metabolic and lipidomic profiling of steatotic human livers during ex situÂnormothermic machine perfusion guides resuscitation strategies. PLoS ONE, 2020, 15, e0228011.	1.1	16
48	Regulatory cell therapy in kidney transplantation (The ONE Study): a harmonised design and analysis of seven non-randomised, single-arm, phase 1/2A trials. Lancet, The, 2020, 395, 1627-1639.	6.3	266
49	Subzero non-frozen preservation of human livers in the supercooled state. Nature Protocols, 2020, 15, 2024-2040.	5.5	31
50	Twenty-four hour ex-vivo normothermic machine perfusion in rat livers. Technology, 2020, 08, 27-36.	1.4	4
51	Pre-emptive pangenotypic direct acting antiviral therapy in donor HCV-positive to recipient HCV-negative heart transplantation: an open-label study. The Lancet Gastroenterology and Hepatology, 2019, 4, 771-780.	3.7	66
52	Rap GTPase Interactor: A Potential Marker for Cancer Prognosis Following Kidney Transplantation. Frontiers in Oncology, 2019, 9, 737.	1.3	1
53	Differential effects of 2-deoxy-D-glucose on in vitro expanded human regulatory T cell subsets. PLoS ONE, 2019, 14, e0217761.	1.1	21
54	Rehabilitation of Discarded Steatotic Livers Using Ex Situ Normothermic Machine Perfusion: A Future Source of Livers for Transplantation. Liver Transplantation, 2019, 25, 991-992.	1.3	9

#	Article	IF	Citations
55	Synthetic hemoglobin-based oxygen carriers are an acceptable alternative for packed red blood cells in normothermic kidney perfusion. American Journal of Transplantation, 2019, 19, 2814-2824.	2.6	40
56	Bifunctional Small Molecules Enhance Neutrophil Activities Against Aspergillus fumigatus in vivo and in vitro. Frontiers in Immunology, 2019, 10, 644.	2.2	16
57	Current state of organ transplant tolerance. Current Opinion in Organ Transplantation, 2019, 24, 441-450.	0.8	27
58	Oxygenated UW Solution Decreases ATP Decay and Improves Survival After Transplantation of DCD Liver Grafts. Transplantation, 2019, 103, 363-370.	0.5	14
59	Preliminary Studies of the Impact of CXCL12 on the Foreign Body Reaction to Pancreatic Islets Microencapsulated in Alginate in Nonhuman Primates. Transplantation Direct, 2019, 5, e447.	0.8	17
60	Liver Transplantation for Recurrent Cholangitis From Von Meyenburg Complexes. Transplantation Direct, 2019, 5, e428.	0.8	9
61	Hepatocellular Carcinoma in Transplantable Child-Pugh A Cirrhotics: Should Cost Affect Resection vs Transplantation?. Journal of Gastrointestinal Surgery, 2019, 23, 1135-1142.	0.9	6
62	Profiling of mRNA of interstitial fibrosis and tubular atrophy with subclinical inflammation in recipients after kidney transplantation. Aging, 2019, 11, 5215-5231.	1.4	7
63	Defining outcomes for beta cell replacement therapy: a work in progress. Diabetologia, 2018, 61, 1273-1276.	2.9	13
64	Relaxing liver ischemia reperfusion injury down 1 notch. American Journal of Transplantation, 2018, 18, 1587-1588.	2.6	3
65	Defining outcomes for Î²-cell replacement therapy in the treatment of diabetes: a consensus report on the Igls criteria from the IPITA/EPITA opinion leaders workshop. Transplant International, 2018, 31, 343-352.	0.8	80
66	Pediatric kidney transplantation and mortality: Distance to transplant center matters. Pediatric Transplantation, 2018, 22, e13120.	0.5	13
67	The dawn of liver perfusion machines. Current Opinion in Organ Transplantation, 2018, 23, 151-161.	0.8	36
68	Improved Health-Related Quality of Life in a Phase 3 Islet Transplantation Trial in Type 1 Diabetes Complicated by Severe Hypoglycemia. Diabetes Care, 2018, 41, 1001-1008.	4.3	89
69	Defining Outcomes for Î²-cell Replacement Therapy in the Treatment of Diabetes. Transplantation, 2018, 102, 1479-1486.	0.5	75
70	Commentary on Nurse Telephonic Triage Service for After-hour Patient Calls in Neurosurgery. Annals of Surgery, 2018, 267, e69.	2.1	0
71	Endothelial Dysfunction in Steatotic Human Donor Livers: A Pilot Study of the Underlying Mechanism During Subnormothermic Machine Perfusion. Transplantation Direct, 2018, 4, e345.	0.8	11
72	Normothermic ex vivo liver perfusion: platform for liver graft assessment and therapeutic modification. Organogenesis, 2018, 14, 169-171.	0.4	1

#	Article	IF	Citations
73	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. Transplantation, 2018, 102, 1223-1229.	0.5	72
74	Heterogeneity of SOX9 and HNF1Î² in Pancreatic Ducts Is Dynamic. Stem Cell Reports, 2018, 10, 725-738.	2.3	27
75	Trapped Chromatin Fibers Damage Flowing Red Blood Cells. Advanced Biology, 2018, 2, 1800040.	3.0	2
76	New Trends in Immunosuppression for Liver Transplantation: Minimization, Avoidance, and Withdrawal. , 2018, , 207-222.		2
77	The promise of organ and tissue preservation to transform medicine. Nature Biotechnology, 2017, 35, 530-542.	9.4	371
78	Bilateral native nephrectomy reduces systemic oxalate level after combined liverâ€kidney transplant: A case report. Pediatric Transplantation, 2017, 21, e12901.	0.5	8
79	Testing of microencapsulated porcine hepatocytes in a new model of fulminant liver failure in baboons. Xenotransplantation, 2017, 24, e12297.	1.6	20
80	The Beginnings of a Transplant Revolution. Annals of Surgery, 2017, 265, e3.	2.1	0
81	PD-L1 genetic overexpression or pharmacological restoration in hematopoietic stem and progenitor cells reverses autoimmune diabetes. Science Translational Medicine, 2017, 9, .	5.8	99
82	A novel model for ex situ reperfusion of the human liver following subnormothermic machine perfusion. Technology, 2017, 05, 196-200.	1.4	2
83	Distance is associated with mortality on the waitlist in pediatric liver transplantation. Pediatric Transplantation, 2017, 21, e12842.	0.5	17
84	Socioeconomic gradients between locally transplanted and exported liver donors and recipients. Liver Transplantation, 2016, 22, 557-558.	1.3	2
85	Executive Summary of IPITA-TTS Opinion Leaders Report on the Future of Î²-Cell Replacement. Transplantation, 2016, 100, e25-e31.	0.5	32
86	Renal allograft thrombosis after living donor transplantation: risk factors and obstacles to retransplantation. Clinical Transplantation, 2016, 30, 864-871.	0.8	8
87	Islet Cell Transplantion: Update on Current Clinical Trials. Current Transplantation Reports, 2016, 3, 254-263.	0.9	21
88	Metabolic profiling during ex vivo machine perfusion of the human liver. Scientific Reports, 2016, 6, 22415.	1.6	85
89	A reliable scoring system after major liver resection in mice. Journal of Surgical Research, 2016, 204, 75-82.	0.8	3
90	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. Diabetes Care, 2016, 39, 1230-1240.	4.3	498

#	Article	IF	Citations
91	Readmission following liver transplantation: an unwanted occurrence but an opportunity to act. Hpb, 2016, 18, 936-942.	0.1	22
92	A Multicenter Study: North American Islet Donor Score in Donor Pancreas Selection for Human Islet Isolation for Transplantation. Cell Transplantation, 2016, 25, 1515-1523.	1.2	42
93	National Institutes of Healthâ€“Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. Diabetes, 2016, 65, 3418-3428.	0.3	143
94	Effect of tolerance versus chronic immunosuppression protocols on the quality of life of kidney transplant recipients. JCI Insight, 2016, 1, .	2.3	29
95	Ex Situ Normothermic Machine Perfusion of Donor Livers. Journal of Visualized Experiments, 2015, , e52688.	0.2	17
96	Functional Human Liver Preservation and Recovery by Means of Subnormothermic Machine Perfusion. Journal of Visualized Experiments, 2015, , .	0.2	18
97	Role of B cells in tolerance induction. Current Opinion in Organ Transplantation, 2015, 20, 369-375.	0.8	23
98	TIM4 Regulates the Anti-Islet Th2 Alloimmune Response. Cell Transplantation, 2015, 24, 1599-1614.	1.2	9
99	Current status of pig liver xenotransplantation. International Journal of Surgery, 2015, 23, 240-246.	1.1	25
100	The Race to Liver Transplantation: A Comparison of Patients With and Without Hepatocellular Carcinoma from Listing to Post-Transplantation. Journal of the American College of Surgeons, 2015, 220, 1001-1007.	0.2	10
101	Immunogenicity of Î²-cells for autologous transplantation in type 1 diabetes. Pharmacological Research, 2015, 98, 60-68.	3.1	11
102	Co-transplantation of autologous MSCs delays islet allograft rejection and generates a local immunoprivileged site. Acta Diabetologica, 2015, 52, 917-927.	1.2	87
103	Microfluidic mazes to characterize T-cell exploration patterns following activation in vitro. Integrative Biology (United Kingdom), 2015, 7, 1423-1431.	0.6	18
104	Market Competition and Density in Liver Transplantation: Relationship to Volume and Outcomes. Journal of the American College of Surgeons, 2015, 221, 524-531.	0.2	22
105	Trends in the Management and Outcomes of Kidney Transplantation for Autosomal Dominant Polycystic Kidney Disease. Journal of Transplantation, 2014, 2014, 1-7.	0.3	12
106	Injury to peribiliary glands and vascular plexus before liver transplantation predicts formation of non-anastomotic biliary strictures. Journal of Hepatology, 2014, 60, 1172-1179.	1.8	170
107	TGFâ€Î²â€producing regulatory B cells induce regulatory T cells and promote transplantation tolerance. European Journal of Immunology, 2014, 44, 1728-1736.	1.6	189
108	Hepatic Retransplant. Clinics in Liver Disease, 2014, 18, 731-751.	1.0	24

#	Article	IF	Citations
109	Mechanisms of regulatory T cell counter-regulation by innate immunity. Transplantation Reviews, 2013, 27, 61-64.	1.2	8
110	Elevated Levels of Interferon-Î³ Production by Memory T Cells Do Not Promote Transplant Tolerance Resistance in Aged Recipients. PLoS ONE, 2013, 8, e82856.	1.1	5
111	Inotuzumab Ozogamicin Murine Analog-Mediated B-Cell Depletion Reduces Anti-islet Allo- and Autoimmune Responses. Diabetes, 2012, 61, 155-165.	0.3	13
112	The Quest for Transplantation Tolerance: Have We Finally Sipped from the Cup?. Science Translational Medicine, 2012, 4, 124fs5.	5.8	13
113	IL-21 Is an Antitolerogenic Cytokine of the Late-Phase Alloimmune Response. Diabetes, 2011, 60, 3223-3234.	0.3	26
114	Generation of Adaptive Regulatory T Cells by Alloantigen Is Required for Some But Not All Transplant Tolerance Protocols. Transplantation, 2011, 91, 707-713.	0.5	8
115	Blockade of GITRâ€“GITRL interaction maintains Treg function to prolong allograft survival. European Journal of Immunology, 2010, 40, 1369-1374.	1.6	32
116	Suppressive Regulatory T Cell Activity Is Potentiated by Glycogen Synthase Kinase 3Î² Inhibition. Journal of Biological Chemistry, 2010, 285, 32852-32859.	1.6	47
117	Duplicated Inferior Vena Cavaâ€”Something to Consider in the Evaluation of a Livingâ€Donor Renal Transplant. Dialysis and Transplantation, 2009, 38, 420-422.	0.2	7
118	GITR Blockade Facilitates Treg Mediated Allograft Survival. Transplantation, 2009, 88, 1169-1177.	0.5	22
119	Inhibition of ICAM-1/LFA-1 Interactions Prevents B-Cell-Dependent Anti-CD45RB-Induced Transplantation Tolerance. Transplantation, 2008, 85, 675-680.	0.5	27
120	Cutting Edge: Transplant Tolerance Induced by Anti-CD45RB Requires B Lymphocytes. Journal of Immunology, 2007, 178, 6028-6032.	0.4	90
121	Antibody-Induced Transplantation Tolerance That Is Dependent on Thymus-Derived Regulatory T Cells. Journal of Immunology, 2006, 176, 2799-2807.	0.4	31
122	Promotion of Allograft Survival by CD4+CD25+ Regulatory T Cells: Evidence for In Vivo Inhibition of Effector Cell Proliferation. Journal of Immunology, 2004, 172, 6539-6544.	0.4	104
123	Elevated portal vein drug levels of sirolimus and tacrolimus in islet transplant recipients: local immunosuppression or islet toxicity?1. Transplantation, 2003, 76, 1623-1625.	0.5	139
124	A SIMPLE MODEL TO ESTIMATE SURVIVAL AFTER RETRANSPLANTATION OF THE LIVER1. Transplantation, 1999, 67, 422-430.	0.5	96
125	Long-Term Survival After Retransplantation of the Liver. Annals of Surgery, 1997, 226, 408-420.	2.1	198