

LÃ©o Hans BÃ¼hler

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

3,090
citations

109321

35
h-index

182427

51
g-index

104
all docs

104
docs citations

104
times ranked

4527
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyfunctional HCV-specific T _H 1 cell responses are associated with effective control of HCV replication. <i>European Journal of Immunology</i> , 2008, 38, 2665-2677.	2.9	138
2	Assessment of a Novel Two-Component Enzyme Preparation for Human Islet Isolation and Transplantation. <i>Transplantation</i> , 2005, 79, 91-97.	1.0	107
3	Cx36 makes channels coupling human pancreatic β -cells, and correlates with insulin expression. <i>Human Molecular Genetics</i> , 2009, 18, 428-439.	2.9	105
4	Successful treatment of recurrent focal segmental glomerulosclerosis after kidney transplantation by plasmapheresis and rituximab. <i>Transplant International</i> , 2007, 20, 102-105.	1.6	91
5	<i>PTX3</i> Polymorphisms and Invasive Mold Infections After Solid Organ Transplant: Figure 1.. <i>Clinical Infectious Diseases</i> , 2015, 61, 619-622.	5.8	91
6	Porcine cytomegalovirus and coagulopathy in pig-to-primate xenotransplantation1. <i>Transplantation</i> , 2003, 75, 1841-1847.	1.0	88
7	Natural Killer Cell Receptor Repertoire and Their Ligands, and the Risk of CMV Infection After Kidney Transplantation. <i>American Journal of Transplantation</i> , 2008, 8, 2674-2683.	4.7	83
8	Positron-Emission Tomography Imaging of Early Events after Transplantation of Islets of Langerhans. <i>Transplantation</i> , 2005, 79, 353-355.	1.0	75
9	Long-Term Insulin-Independence After Allogeneic Islet Transplantation for Type 1 Diabetes: Over the 10-Year Mark. <i>American Journal of Transplantation</i> , 2009, 9, 419-423.	4.7	75
10	A focus on the role of platelets in liver regeneration: Do platelet-endothelial cell interactions initiate the regenerative process?. <i>Journal of Hepatology</i> , 2015, 63, 1263-1271.	3.7	75
11	Sequential Kidney/Islet Transplantation: Efficacy and Safety Assessment of a Steroid-Free Immunosuppression Protocol. <i>American Journal of Transplantation</i> , 2006, 6, 1049-1058.	4.7	74
12	Outcome of treated and untreated asymptomatic bacteriuria in renal transplant recipients. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 4109-4114.	0.7	69
13	Effect of Ex Vivo "Expanded Recipient Regulatory T Cells on Hematopoietic Chimerism and Kidney Allograft Tolerance Across MHC Barriers in Cynomolgus Macaques. <i>Transplantation</i> , 2017, 101, 274-283.	1.0	61
14	Activation of Porcine Cytomegalovirus, but Not Porcine Lymphotropic Herpesvirus, in Pig-to-Baboon Xenotransplantation. <i>Journal of Infectious Diseases</i> , 2004, 189, 1628-1633.	4.0	60
15	Treatment of acetaminophen-induced acute liver failure in the mouse with conditionally immortalized human hepatocytes. <i>Journal of Hepatology</i> , 2005, 43, 1031-1037.	3.7	58
16	Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes. <i>Xenotransplantation</i> , 2005, 12, 457-464.	2.8	56
17	What Clinical Alternatives to Whole Liver Transplantation? Current Status of Artificial Devices and Hepatocyte Transplantation. <i>Transplantation</i> , 2009, 87, 457-466.	1.0	54
18	Epidural anesthesia improves pancreatic perfusion and decreases the severity of acute pancreatitis. <i>World Journal of Gastroenterology</i> , 2015, 21, 12448.	3.3	52

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19	BK Polyomavirus-Specific 9mer CD8 T Cell Responses Correlate With Clearance of BK Viremia in Kidney Transplant Recipients: First Report From the Swiss Transplant Cohort Study. <i>American Journal of Transplantation</i> , 2017, 17, 2591-2600.	4.7	52
20	Isolation of Adult Porcine Islets of Langerhans. <i>Cell Transplantation</i> , 2000, 9, 297-305.	2.5	51
21	From current immunosuppressive strategies to clinical tolerance of allografts. <i>Transplant International</i> , 2007, 20, 12-24.	1.6	51
22	Mesenchymal Stem Cells Derived From Human Exocrine Pancreas Express Transcription Factors Implicated in Beta-Cell Development. <i>Pancreas</i> , 2008, 37, 75-84.	1.1	51
23	Expansion and tissue infiltration of an allospecific CD4+CD25+CD45RO+IL-7R α high cell population in solid organ transplant recipients. <i>Journal of Experimental Medicine</i> , 2007, 204, 1533-1541.	8.5	49
24	Value of contrast-enhanced ¹⁸ F-fluorodeoxyglucose positron emission tomography/computed tomography in detection and presurgical assessment of pancreatic cancer: A prospective study. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011, 26, 657-662.	2.8	48
25	Interleukin-1 Receptor Antagonist Modulates Liver Inflammation and Fibrosis in Mice in a Model-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1295.	4.1	48
26	ANTI-CD154 MONOCLONAL ANTIBODY AND THROMBOEMBOLISM. <i>Transplantation</i> , 2001, 71, 491.	1.0	46
27	Inhibition of platelet aggregation in baboons: therapeutic implications for xenotransplantation. <i>Xenotransplantation</i> , 2000, 7, 247-257.	2.8	45
28	Effect of Microcapsule Composition and Short-Term Immunosuppression on Intraportal Biocompatibility. <i>Cell Transplantation</i> , 2005, 14, 159-167.	2.5	42
29	Management of hepatocellular adenoma: Solitary-uncomplicated, multiple and ruptured tumors. <i>World Journal of Gastroenterology</i> , 2005, 11, 5691.	3.3	41
30	PD-1/PD-L1, PD-1/PD-L2, and other co-inhibitory signaling pathways in transplantation. <i>Transplant International</i> , 2008, 21, ???-???	1.6	40
31	HIV-Positive-to-HIV-Positive Liver Transplantation. <i>American Journal of Transplantation</i> , 2016, 16, 2473-2478.	4.7	40
32	Interleukin-1 Receptor Antagonist Modulates the Early Phase of Liver Regeneration after Partial Hepatectomy in Mice. <i>PLoS ONE</i> , 2011, 6, e25442.	2.5	39
33	Expression and secretion of alpha1-proteinase inhibitor are regulated by proinflammatory cytokines in human pancreatic islet cells. <i>Diabetologia</i> , 2005, 48, 1523-1533.	6.3	38
34	Epidural anaesthesia restores pancreatic microcirculation and decreases the severity of acute pancreatitis. <i>World Journal of Gastroenterology</i> , 2006, 12, 915.	3.3	38
35	Polymorphisms in the lectin pathway of complement activation influence the incidence of acute rejection and graft outcome after kidney transplantation. <i>Kidney International</i> , 2016, 89, 927-938.	5.2	37
36	Tuning the Properties of Hydrogel Microspheres by Adding Chemical Cross-linking Functionality to Sodium Alginate. <i>Chemistry of Materials</i> , 2015, 27, 4380-4389.	6.7	36

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37	Impairment of renal function after islet transplant alone or islet-after-kidney transplantation using a sirolimus/tacrolimus-based immunosuppressive regimen. <i>Transplant International</i> , 2005, 18, 1226-1230.	1.6	34
38	A meta-analysis of extended versus standard lymphadenectomy in patients undergoing pancreatoduodenectomy for pancreatic adenocarcinoma. <i>Hpb</i> , 2015, 17, 565-572.	0.3	34
39	Thoracic epidural analgesia: a new approach for the treatment of acute pancreatitis?. <i>Critical Care</i> , 2016, 20, 116.	5.8	34
40	Extracellular vesicles: Future diagnostic and therapeutic tools for liver disease and regeneration. <i>Liver International</i> , 2019, 39, 1801-1817.	3.9	34
41	Epidural analgesia in critically ill patients with acute pancreatitis: the multicentre randomised controlled EPIPAN study protocol. <i>BMJ Open</i> , 2017, 7, e015280.	1.9	32
42	Microbial surveillance during human pancreatic islet isolation. <i>Transplant International</i> , 2005, 18, 584-589.	1.6	31
43	Detection of ATP by ³¹ P magnetic resonance spectroscopy during oxygenated hypothermic pulsatile perfusion of pigs' kidneys. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 391-399.	2.0	31
44	Macrophage migration inhibitory factor deficiency leads to age-dependent impairment of glucose homeostasis in mice. <i>Journal of Endocrinology</i> , 2010, 206, 297-306.	2.6	30
45	An optimized method for mouse liver sinusoidal endothelial cell isolation. <i>Experimental Cell Research</i> , 2016, 349, 291-301.	2.6	30
46	Methods for Isolation and Purification of Murine Liver Sinusoidal Endothelial Cells: A Systematic Review. <i>PLoS ONE</i> , 2016, 11, e0151945.	2.5	30
47	Alginate-Poly(ethylene glycol) Hybrid Microspheres for Primary Cell Microencapsulation. <i>Materials</i> , 2014, 7, 275-286.	2.9	29
48	Macrophage Depletion Prolongs Discordant but not Concordant Islet Xenograft Survival. <i>Transplantation</i> , 2005, 79, 543-549.	1.0	26
49	Mechanisms of Xenogeneic Baboon Platelet Aggregation and Phagocytosis by Porcine Liver Sinusoidal Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e47273.	2.5	26
50	Selective Blockade of Herpesvirus Entry Mediator ^α B and T Lymphocyte Attenuator Pathway Ameliorates Acute Graft-versus-Host Reaction. <i>Journal of Immunology</i> , 2012, 188, 4885-4896.	0.8	25
51	Proteomic profiling in an animal model of acute pancreatitis. <i>Proteomics</i> , 2008, 8, 3621-3631.	2.2	24
52	Xenotransplantation: Where do we stand in 2016?. <i>Swiss Medical Weekly</i> , 2017, 147, w14403.	1.6	24
53	Anti-CD154 mAb Treatment But Not Recipient CD154 Deficiency Leads to Long-Term Survival of Xenogeneic Islet Grafts. <i>American Journal of Transplantation</i> , 2005, 5, 1021-1031.	4.7	22
54	Survival of Free and Encapsulated Human and Rat Islet Xenografts Transplanted into the Mouse Bone Marrow. <i>PLoS ONE</i> , 2014, 9, e91268.	2.5	22

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55	Pancreas allocation in the era of islet transplantation. <i>Transplant International</i> , 2005, 18, 763-767.	1.6	21
56	Islet Encapsulation: New Developments for the Treatment of Type 1 Diabetes. <i>Frontiers in Immunology</i> , 2022, 13, 869984.	4.8	21
57	Platelet Interactions with Liver Sinusoidal Endothelial Cells and Hepatic Stellate Cells Lead to Hepatocyte Proliferation. <i>Cells</i> , 2020, 9, 1243.	4.1	19
58	Transplantation of Discordant Xenogeneic Islets Using Repeated Therapy with Anti-CD154. <i>Transplantation</i> , 2005, 79, 1545-1552.	1.0	16
59	T follicular helper expansion and humoral-mediated rejection are independent of the HVEM/BTLA pathway. <i>Cellular and Molecular Immunology</i> , 2017, 14, 497-510.	10.5	15
60	Ex Vivo Analysis of Kidney Graft Viability Using 31P Magnetic Resonance Imaging Spectroscopy. <i>Transplantation</i> , 2020, 104, 1825-1831.	1.0	15
61	Blockade of the PD-1/PD-1L pathway reverses the protective effect of anti-CD40L therapy in a rat to mouse concordant islet xenotransplantation model. <i>Xenotransplantation</i> , 2007, 14, 243-248.	2.8	14
62	Effect of HLA Matching in Simultaneous Pancreas-Kidney Transplantation. <i>Transplantation Proceedings</i> , 2005, 37, 2846-2847.	0.6	13
63	Natural killer cell receptor repertoire and functions after induction therapy by polyclonal rabbit anti-thymocyte globulin in unsensitized kidney transplant recipients. <i>Clinical Immunology</i> , 2010, 137, 250-260.	3.2	13
64	Hepatitis C virus infection after liver transplantation is associated with lower levels of activated CD4 ⁺ CD25 ⁺ CD45RO ⁺ IL-7R ^{hi} T cells. <i>Liver Transplantation</i> , 2010, 16, 49-55.	2.4	13
65	Assessment of 18F-FDG-Leukocyte Imaging to Monitor Rejection After Pancreatic Islet Transplantation. <i>Transplantation Proceedings</i> , 2006, 38, 3033-3034.	0.6	12
66	Combined Electrostatic and Covalent Polymer Networks for Cell Microencapsulation. <i>Macromolecular Symposia</i> , 2013, 329, 49-57.	0.7	12
67	Systematic review and meta-analysis of thrombocytopenia as a predictor of post-hepatectomy liver failure. <i>Hpb</i> , 2019, 21, 1419-1426.	0.3	12
68	Modulation of cytotoxic responses by targeting CD160 prolongs skin graft survival across major histocompatibility class I barrier. <i>Translational Research</i> , 2017, 181, 83-95.e3.	5.0	11
69	Monitoring of porcine and baboon cytomegalovirus infection in xenotransplantation. <i>Xenotransplantation</i> , 2009, 16, 535-536.	2.8	10
70	A new disposable perfusion machine, nuclear magnetic resonance compatible, to test the marginal organs and the kidneys from non-heart-beating donors before transplantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2007, 6, 421-424.	1.1	9
71	Magnetic Resonance Imaging as the Sole Radiological Assessment for Living Donor Nephrectomy. <i>Urologia Internationalis</i> , 2010, 84, 56-60.	1.3	9
72	DNA Methylation Profiling of the Fibrinogen Gene Landscape in Human Cells and during Mouse and Zebrafish Development. <i>PLoS ONE</i> , 2013, 8, e73089.	2.5	9

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73	Characterization, biology, and expansion of regulatory T cells in the Cynomolgus macaque for preclinical studies. <i>American Journal of Transplantation</i> , 2019, 19, 2186-2198.	4.7	9
74	International inventory of xenotransplantation practices in humans. <i>Xenotransplantation</i> , 2006, 13, 482-482.	2.8	8
75	The Role of TNFR2 and DR3 in the In Vivo Expansion of Tregs in T Cell Depleting Transplantation Regimens. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3347.	4.1	8
76	Multipotent mesenchymal stromal cells derived from porcine exocrine pancreas improve insulin secretion from juvenile porcine islet cell clusters. <i>Xenotransplantation</i> , 2021, 28, e12666.	2.8	8
77	Renal ischaemic injuries during the use of zolmitriptan for treatment of migraines in a transplanted patient under tacrolimus therapy. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 3341-3343.	0.7	7
78	Reply to: "The role of platelets in liver regeneration" "What don't we know?" <i>Journal of Hepatology</i> , 2015, 63, 1538-1539.	3.7	7
79	Microbiologic Changes Induced by Biliary Drainage Require Adapted Antibiotic Prophylaxis during Duodenopancreatectomy. <i>Surgical Infections</i> , 2019, 20, 677-682.	1.4	7
80	Gangrenous gas necrosis of the spleen: a case report. <i>BMC Infectious Diseases</i> , 2019, 19, 777.	2.9	7
81	Platelet Transforming Growth Factor- β 1 Induces Liver Sinusoidal Endothelial Cells to Secrete Interleukin-6. <i>Cells</i> , 2020, 9, 1311.	4.1	7
82	Soluble CD40 ligand in prediction of acute severe pancreatitis. <i>World Journal of Gastroenterology</i> , 2006, 12, 1613.	3.3	7
83	International standards and guidelines for xenotransplantation. <i>Nature Biotechnology</i> , 2021, 39, 1501-1502.	17.5	6
84	Xenogeneic Heterotopic Auxiliary Liver transplantation (XHALT) promotes native liver regeneration in a Post-Hepatectomy Liver failure model. <i>PLoS ONE</i> , 2018, 13, e0207272.	2.5	5
85	The impact of CD160 deficiency on alloreactive CD8 T cell responses and allograft rejection. <i>Translational Research</i> , 2021, , .	5.0	5
86	Robotic versus hand-assisted laparoscopic living donor nephrectomy: comparison of two minimally invasive techniques in kidney transplantation. <i>Journal of Robotic Surgery</i> , 2022, 16, 1471-1481.	1.8	5
87	Phylogenetic disparity influences the predominance of direct over indirect pathway of antigen presentation in islet xenotransplantation. <i>Transplantation Proceedings</i> , 2005, 37, 463-465.	0.6	4
88	Impact of a Sirolimus/Tacrolimus-Based Immunosuppressive Regimen on Kidney Function After Islet Transplantation. <i>Transplantation Proceedings</i> , 2005, 37, 1326-1327.	0.6	4
89	Infectious complications and graft outcome following treatment of acute antibody-mediated rejection after kidney transplantation: A nationwide cohort study. <i>PLoS ONE</i> , 2021, 16, e0250829.	2.5	4
90	Islet Transplantation in a Recipient Presenting the Factor V Leiden Mutation. <i>Transplantation</i> , 2005, 79, 1771-1772.	1.0	3

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91	New Isotopes for the Treatment of Pancreatic Cancer in Collaboration With CERN: A Mini Review. <i>Frontiers in Medicine</i> , 2021, 8, 674656.	2.6	3
92	Expression of the hepatic Niemann-Pick C1 like 1 protein gene is sensitive to rosuvastatin treatment of primary human hepatocytes. <i>Pharmacogenetics and Genomics</i> , 2010, 20, 455-458.	1.5	3
93	Impact of an intra-abdominal cooling device during open kidney transplantation in pigs. <i>Swiss Medical Weekly</i> , 2019, 149, w20143.	1.6	3
94	Role of CD40-CD154 pathway in the rejection of concordant and discordant xenogeneic islets. <i>Transplantation Proceedings</i> , 2005, 37, 460-462.	0.6	2
95	Do multipotent mesenchymal stromal cells differentiate into hepatocytes?. <i>Current Opinion in Organ Transplantation</i> , 2007, 12, 668-672.	1.6	1
96	Preoperative platelet count does not predict the occurrence of post-hepatectomy liver failure after partial hepatectomy in a retrospective monocentric cohort study. <i>Medicine (United States)</i> , 2021, 100, e24425.	1.0	1
97	Tribute to Carl-Gustav Groth (1933-2014), first president of the International Xenotransplantation Association. <i>Xenotransplantation</i> , 2014, 21, 97-98.	2.8	0
98	Reply to Cunha et al. <i>Clinical Infectious Diseases</i> , 2015, 61, 1894-1895.	5.8	0
99	David J. G. White, PhD, FRCPath. <i>Xenotransplantation</i> , 2017, 24, e12346.	2.8	0
100	Creation of chimeric animals by blastocyst complementation; Editorial commentary. <i>Xenotransplantation</i> , 2017, 24, e12325.	2.8	0
101	Theme issue on Xenotransplantation in Asia. <i>Xenotransplantation</i> , 2019, 26, e12499.	2.8	0
102	New Approaches. , 0, , 563-584.		0