

JosÃ© Oberholzer

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

4,671
citations

172457

29
h-index

102487

66
g-index

81
all docs

81
docs citations

81
times ranked

5989
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Assembly of Spherical Viscoelastic Bio-Ink Particles. <i>Advanced Functional Materials</i> , 2022, 32, 2109004.	14.9	6
2	Pericapsular fibrotic overgrowth mitigated in immunocompetent mice through microbead formulations based on sulfated or intermediate G alginates. <i>Acta Biomaterialia</i> , 2022, 137, 172-185.	8.3	6
3	Clinically translatable cytokine delivery platform for eradication of intraperitoneal tumors. <i>Science Advances</i> , 2022, 8, eabm1032.	10.3	35
4	Outcomes in Adult Liver Transplant Recipients Using Pediatric Deceased Donor Liver Grafts. <i>Transplantation Direct</i> , 2022, 8, e1315.	1.6	1
5	Living Donor Liver Transplantation vs. Split Liver Transplantation Using Left Lateral Segment Grafts in Pediatric Recipients: An Analysis of the UNOS Database. <i>Transplant International</i> , 2022, 35, 10437.	1.6	9
6	Center-level Variation in HLA-incompatible Living Donor Kidney Transplantation Outcomes. <i>Transplantation</i> , 2021, 105, 436-442.	1.0	3
7	Delayed graft function and acute rejection following HLA-incompatible living donor kidney transplantation. <i>American Journal of Transplantation</i> , 2021, 21, 1612-1621.	4.7	11
8	Reduced replication fork speed promotes pancreatic endocrine differentiation and controls graft size. <i>JCI Insight</i> , 2021, 6, .	5.0	22
9	Lose Weight to Donate: Development of a Program to Optimize Potential Donors With Hepatic Steatosis or Obesity for Living Liver Donation. <i>Transplantation Direct</i> , 2021, 7, e702.	1.6	4
10	Robot-assisted kidney transplantation is a safe alternative approach for morbidly obese patients with end-stage renal disease. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2293.	2.3	7
11	A Smartphone-Fluidic Digital Imaging Analysis System for Pancreatic Islet Mass Quantification. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 692686.	4.1	4
12	Anonymous Living Liver Donation: Literature Review and Case Series Report. <i>Transplantation Direct</i> , 2021, 7, e726.	1.6	7
13	First World Consensus Conference on pancreas transplantation: Part II " recommendations. <i>American Journal of Transplantation</i> , 2021, 21, 17-59.	4.7	43
14	Donor Morbidity Is Equivalent Between Right and Left Hepatectomy for Living Liver Donation: A Meta-Analysis. <i>Liver Transplantation</i> , 2021, 27, 1412-1423.	2.4	17
15	Liver Transplantation With Grafts From Super Obese Donors. <i>Transplantation Direct</i> , 2021, 7, e770.	1.6	1
16	Heterogeneous toroidal spiral particles for islet encapsulation. <i>Biomaterials Science</i> , 2021, 9, 3954-3967.	5.4	1
17	Increased use of split liver grafts in adult recipients following implementation of a pediatric liver transplant program. <i>Pediatric Transplantation</i> , 2021, , e14159.	1.0	1
18	Robotic kidney transplantation in the obese patient: 10-year experience from a single center. <i>American Journal of Transplantation</i> , 2020, 20, 430-440.	4.7	50

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19	High-Dimensional Design-Of-Experiments Extracts Small-Molecule-Only Induction Conditions for Dorsal Pancreatic Endoderm from Pluripotency. <i>IScience</i> , 2020, 23, 101346.	4.1	12
20	Diazoxide Preconditioning of Nonhuman Primate Pancreas Improves Islet Isolation Outcomes by Mitochondrial Protection. <i>Pancreas</i> , 2020, 49, 706-713.	1.1	0
21	A multi-throughput mechanical loading system for mouse intervertebral disc. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 105, 103636.	3.1	8
22	Hepatic Artery Thrombosis and Takotsubo Syndrome After Liver Transplantation â€œ Which Came First?. <i>American Journal of Case Reports</i> , 2020, 21, e920263.	0.8	4
23	Recapitulating endocrine cell clustering in culture promotes maturation of human stem-cell-derived Î² cells. <i>Nature Cell Biology</i> , 2019, 21, 263-274.	10.3	334
24	Long-term implant fibrosis prevention in rodents and non-human primates using crystallized drug formulations. <i>Nature Materials</i> , 2019, 18, 892-904.	27.5	114
25	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic Î² cells in diet-induced obesity. <i>Nature Immunology</i> , 2019, 20, 677-686.	14.5	48
26	Pancreas Transplantation From Pediatric Donors: A Single-Center Experience. <i>Transplantation</i> , 2018, 102, 1732-1739.	1.0	11
27	Robotic Pancreas Transplantation. <i>Gastroenterology Clinics of North America</i> , 2018, 47, 443-448.	2.2	8
28	Structural changes in alginate-based microspheres exposed to in vivo environment as revealed by confocal Raman microscopy. <i>Scientific Reports</i> , 2018, 8, 1637.	3.3	14
29	Hospital readmissions following HLA-incompatible live donor kidney transplantation: A multi-center study. <i>American Journal of Transplantation</i> , 2018, 18, 650-658.	4.7	11
30	Î²-Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells. <i>Diabetes</i> , 2018, 67, 26-35.	0.6	74
31	Long term (4 years) improved insulin sensitivity following islet cell transplant in type 1 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e2972.	4.0	1
32	Robotic pancreas transplantation: the state of the art. <i>Current Opinion in Organ Transplantation</i> , 2018, 23, 423-427.	1.6	12
33	Minimally invasive, robotâ€ assisted procedure for kidney transplantation among morbidly obese: Positive outcomes at 5Â years postâ€ transplant. <i>Clinical Transplantation</i> , 2018, 32, e13404.	1.6	22
34	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	1.0	72
35	Concerns and hopes of patients with type 1 diabetes prior to islet cell transplantation: A content analysis. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 677-681.	2.3	4
36	Reduction of measurement noise in a continuous glucose monitor by coating the sensor with a zwitterionic polymer. <i>Nature Biomedical Engineering</i> , 2018, 2, 894-906.	22.5	150

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37	Over ten-year insulin independence following single allogeneic islet transplant without T-cell depleting antibody induction. <i>Islets</i> , 2018, 10, 168-174.	1.8	6
38	Alginate encapsulation as long-term immune protection of allogeneic pancreatic islet cells transplanted into the omental bursa of macaques. <i>Nature Biomedical Engineering</i> , 2018, 2, 810-821.	22.5	242
39	Single Center Experience With Robotic Kidney Transplantation for Recipients With BMI of 40 kg/m2 Or Greater. <i>Transplantation</i> , 2017, 101, 191-196.	1.0	56
40	Robotic pancreas transplantation in a type 1 diabetic patient with morbid obesity. <i>Medicine (United States)</i> , 2017, 96, 100-106.	1.0	26
41	Islet Microencapsulation: Strategies and Clinical Status in Diabetes. <i>Current Diabetes Reports</i> , 2017, 17, 47.	4.2	35
42	Alginate microbeads are coagulation compatible, while alginate microcapsules activate coagulation secondary to complement or directly through FXII. <i>Acta Biomaterialia</i> , 2017, 58, 158-167.	8.3	17
43	Colony stimulating factor-1 receptor is a central component of the foreign body response to biomaterial implants in rodents and non-human primates. <i>Nature Materials</i> , 2017, 16, 671-680.	27.5	214
44	Reciprocal regulation of mTOR complexes in pancreatic islets from humans with type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 668-678.	6.3	84
45	In Vitro and In Vivo Biocompatibility Evaluation of Polyallylamine and Macromolecular Heparin Conjugates Modified Alginate Microbeads. <i>Scientific Reports</i> , 2017, 7, 11695.	3.3	5
46	Coronary artery calcium may stabilize following islet cell transplantation in patients with type 1 diabetes. <i>Clinical Transplantation</i> , 2017, 31, e13059.	1.6	7
47	Impairment of neurovascular coupling in Type 1 Diabetes Mellitus in rats is prevented by pancreatic islet transplantation and reversed by a semi-selective PKC inhibitor. <i>Brain Research</i> , 2017, 1655, 48-54.	2.2	14
48	Monitoring the Exocytosis and Full Fusion of Insulin Granules in Pancreatic Islet Cells via Graphene Liquid Cell-Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 1310-1311.	0.4	3
49	Xeno-Transplantation of macro-encapsulated islets and Pluripotent Stem Cell-Derived Pancreatic Progenitors without Immunosuppression. <i>Journal of Stem Cell and Transplantation Biology</i> , 2017, 02, .	0.2	3
50	Noninvasive Tracking of Encapsulated Insulin Producing Cells Labelled with Magnetic Microspheres by Magnetic Resonance Imaging. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-13.	2.3	10
51	A pumpless microfluidic device driven by surface tension for pancreatic islet analysis. <i>Biomedical Microdevices</i> , 2016, 18, 80.	2.8	45
52	Combinatorial hydrogel library enables identification of materials that mitigate the foreign body response in primates. <i>Nature Biotechnology</i> , 2016, 34, 345-352.	17.5	417
53	Long-term glycemic control using polymer-encapsulated human stem cell-derived beta cells in immune-competent mice. <i>Nature Medicine</i> , 2016, 22, 306-311.	30.7	564
54	A microfluidic array for real-time live-cell imaging of human and rodent pancreatic islets. <i>Lab on A Chip</i> , 2016, 16, 1466-1472.	6.0	44

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55	Proproliferative and antiapoptotic action of exogenously introduced YAP in pancreatic β^2 cells. JCI Insight, 2016, 1, e86326.	5.0	24
56	Angiopoetin-2 Signals Do Not Mediate the Hypervascularization of Islets in Type 2 Diabetes. PLoS ONE, 2016, 11, e0161834.	2.5	10
57	Successful living donor intestinal transplantation in cross-match positive recipients: Initial experience. World Journal of Gastrointestinal Surgery, 2016, 8, 101.	1.5	19
58	Renofemoral shunt for protection of abdominal allografts during emergency abdominal aortic surgery. Journal of Vascular Surgery Cases, 2015, 1, 113-115.	0.2	2
59	Neurogenin 3 Expressing Cells in the Human Exocrine Pancreas Have the Capacity for Endocrine Cell Fate. PLoS ONE, 2015, 10, e0133862.	2.5	45
60	Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates. Nature Materials, 2015, 14, 643-651.	27.5	700
61	Enumerating β^2 -Cells in Whole Human Islets: Sex Differences and Associations With Clinical Outcomes After Islet Transplantation. Diabetes Care, 2015, 38, e176-e177.	8.6	25
62	Inferior Vena Cava Stent-Graft Sepsis. Annals of Vascular Surgery, 2015, 29, 1451.e17-1451.e20.	0.9	1
63	Illinois Law Opens Door To Kidney Transplants For Undocumented Immigrants. Health Affairs, 2015, 34, 781-787.	5.2	18
64	Five-year follow-up of patients with type 1 diabetes transplanted with allogeneic islets: the UIC experience. Acta Diabetologica, 2014, 51, 833-843.	2.5	78
65	Implementation of a Simplified Method of Islet Isolation for Allogeneic Islet Transplantation in Cynomolgus Monkeys. Pancreas, 2014, 43, 226-235.	1.1	2
66	Concurrent Hepatic Artery and Portal Vein Thrombosis after Orthotopic Liver Transplantation with Preserved Allografts. Case Reports in Transplantation, 2014, 2014, 1-6.	0.3	2
67	Beneficial Effects of Coating Alginate Microcapsules with Macromolecular Heparin Conjugatesâ€“ <i>In Vitro</i> and <i>In Vivo</i> Study. Tissue Engineering - Part A, 2014, 20, 324-334.	3.1	29
68	MST1 is a key regulator of beta cell apoptosis and dysfunction in diabetes. Nature Medicine, 2014, 20, 385-397.	30.7	170
69	Microfluidic Array with Integrated Oxygenation Control for Real-Time Live-Cell Imaging: Effect of Hypoxia on Physiology of Microencapsulated Pancreatic Islets. Analytical Chemistry, 2013, 85, 11240-11249.	6.5	53
70	Binding and leakage of barium in alginate microbeads. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2939-2947.	4.0	69
71	A Recommended Laparoscopic Procedure for Implantation of Microcapsules in the Peritoneal Cavity of Non-Human Primates. Journal of Surgical Research, 2011, 168, e117-e123.	1.6	23
72	Long-Term Metabolic and Immunological Follow-Up of Nonimmunosuppressed Patients With Type 1 Diabetes Treated With Microencapsulated Islet Allografts. Diabetes Care, 2011, 34, 2406-2409.	8.6	202

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73	Laparoscopic and robotic donor pancreatectomy for living donor pancreas and pancreasâ€™kidney transplantation. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2010, 17, 97-100.	2.6	31
74	Microfluidic perfusion and imaging device for multi-parametric islet function assessment. <i>Biomedical Microdevices</i> , 2010, 12, 409-417.	2.8	64
75	Encapsulation of Human Islets in Novel Inhomogeneous Alginate-Ca ²⁺ /Ba ²⁺ Microbeads: In Vitro and In Vivo Function. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 403-420.	0.9	74
76	Early discontinuation of steroids is safe and effective in pediatric kidney transplant recipients. <i>Pediatric Transplantation</i> , 2005, 9, 456-463.	1.0	54
77	Effect of Microcapsule Composition and Short-Term Immunosuppression on Intraportal Biocompatibility. <i>Cell Transplantation</i> , 2005, 14, 159-167.	2.5	42
78	Kidney transplantation at the University of Illinois at Chicago from 1988-2004. <i>Clinical Transplants</i> , 2004, , 143-9.	0.2	6