

# 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	Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates. <i>Nature Materials</i> , 2015, 14, 643-651.	27.5	700
2	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
3	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
4	Recapitulating endocrine cell clustering in culture promotes maturation of human stem-cell-derived $\beta^2$ cells. <i>Nature Cell Biology</i> , 2019, 21, 263-274.	10.3	334
5	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
6	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
7	Long-Term Metabolic and Immunological Follow-Up of Nonimmunosuppressed Patients With Type 1 Diabetes Treated With Microencapsulated Islet Allografts. <i>Diabetes Care</i> , 2011, 34, 2406-2409.	8.6	202
8	MST1 is a key regulator of beta cell apoptosis and dysfunction in diabetes. <i>Nature Medicine</i> , 2014, 20, 385-397.	30.7	170
9	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
10	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
11	Reciprocal regulation of mTOR complexes in pancreatic islets from humans with type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 668-678.	6.3	84
12	Five-year follow-up of patients with type 1 diabetes transplanted with allogeneic islets: the UIC experience. <i>Acta Diabetologica</i> , 2014, 51, 833-843.	2.5	78
13	Encapsulation of Human Islets in Novel Inhomogeneous Alginate-Ca <sup>2+</sup> /Ba <sup>2+</sup> Microbeads: In Vitro and In Vivo Function. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 403-420.	0.9	74
14	$\beta^2$ -Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells. <i>Diabetes</i> , 2018, 67, 26-35.	0.6	74
15	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	1.0	72
16	Binding and leakage of barium in alginate microbeads. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2939-2947.	4.0	69
17	Microfluidic perfusion and imaging device for multi-parametric islet function assessment. <i>Biomedical Microdevices</i> , 2010, 12, 409-417.	2.8	64
18	Single Center Experience With Robotic Kidney Transplantation for Recipients With BMI of 40 kg/m <sup>2</sup> Or Greater. <i>Transplantation</i> , 2017, 101, 191-196.	1.0	56

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19	Early discontinuation of steroids is safe and effective in pediatric kidney transplant recipients. <i>Pediatric Transplantation</i> , 2005, 9, 456-463.	1.0	54
20	Microfluidic Array with Integrated Oxygenation Control for Real-Time Live-Cell Imaging: Effect of Hypoxia on Physiology of Microencapsulated Pancreatic Islets. <i>Analytical Chemistry</i> , 2013, 85, 11240-11249.	6.5	53
21	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
22	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic $\beta^2$ cells in diet-induced obesity. <i>Nature Immunology</i> , 2019, 20, 677-686.	14.5	48
23	Neurogenin 3 Expressing Cells in the Human Exocrine Pancreas Have the Capacity for Endocrine Cell Fate. <i>PLoS ONE</i> , 2015, 10, e0133862.	2.5	45
24	A pumpless microfluidic device driven by surface tension for pancreatic islet analysis. <i>Biomedical Microdevices</i> , 2016, 18, 80.	2.8	45
25	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
26	First World Consensus Conference on pancreas transplantation: Part II " recommendations. <i>American Journal of Transplantation</i> , 2021, 21, 17-59.	4.7	43
27	Effect of Microcapsule Composition and Short-Term Immunosuppression on Intraportal Biocompatibility. <i>Cell Transplantation</i> , 2005, 14, 159-167.	2.5	42
28	Islet Microencapsulation: Strategies and Clinical Status in Diabetes. <i>Current Diabetes Reports</i> , 2017, 17, 47.	4.2	35
29	Clinically translatable cytokine delivery platform for eradication of intraperitoneal tumors. <i>Science Advances</i> , 2022, 8, eabm1032.	10.3	35
30	Laparoscopic and robotic donor pancreatectomy for living donor pancreas and pancreas-kidney transplantation. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2010, 17, 97-100.	2.6	31
31	Beneficial Effects of Coating Alginate Microcapsules with Macromolecular Heparin Conjugates " <i>In Vitro</i> and <i>In Vivo</i> Study. <i>Tissue Engineering - Part A</i> , 2014, 20, 324-334.	3.1	29
32	Robotic pancreas transplantation in a type 1 diabetic patient with morbid obesity. <i>Medicine (United States)</i> , 2010, 89, 1000-1004.	1.0	26
33	Enumerating $\beta^2$ -Cells in Whole Human Islets: Sex Differences and Associations With Clinical Outcomes After Islet Transplantation. <i>Diabetes Care</i> , 2015, 38, e176-e177.	8.6	25
34	Proproliferative and antiapoptotic action of exogenously introduced YAP in pancreatic $\beta^2$ cells. <i>JCI Insight</i> , 2016, 1, e86326.	5.0	24
35	A Recommended Laparoscopic Procedure for Implantation of Microcapsules in the Peritoneal Cavity of Non-Human Primates. <i>Journal of Surgical Research</i> , 2011, 168, e117-e123.	1.6	23
36	Minimally invasive, robot-assisted procedure for kidney transplantation among morbidly obese: Positive outcomes at 5 years post-transplant. <i>Clinical Transplantation</i> , 2018, 32, e13404.	1.6	22

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37	Reduced replication fork speed promotes pancreatic endocrine differentiation and controls graft size. <i>JCI Insight</i> , 2021, 6, .	5.0	22
38	Successful living donor intestinal transplantation in cross-match positive recipients: Initial experience. <i>World Journal of Gastrointestinal Surgery</i> , 2016, 8, 101.	1.5	19
39	Illinois Law Opens Door To Kidney Transplants For Undocumented Immigrants. <i>Health Affairs</i> , 2015, 34, 781-787.	5.2	18
40	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
41	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
42	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
43	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
44	Robotic pancreas transplantation: the state of the art. <i>Current Opinion in Organ Transplantation</i> , 2018, 23, 423-427.	1.6	12
45	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
46	Pancreas Transplantation From Pediatric Donors: A Single-Center Experience. <i>Transplantation</i> , 2018, 102, 1732-1739.	1.0	11
47	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
48	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
49	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
50	Angiopoetin-2 Signals Do Not Mediate the Hypervascularization of Islets in Type 2 Diabetes. <i>PLoS ONE</i> , 2016, 11, e0161834.	2.5	10
51	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
52	Robotic Pancreas Transplantation. <i>Gastroenterology Clinics of North America</i> , 2018, 47, 443-448.	2.2	8
53	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
54	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

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55	Robotâ€assisted kidney transplantation is a safe alternative approach for morbidly obese patients with endâ€stage renal disease. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2293.	2.3	7
56	Anonymous Living Liver Donation: Literature Review and Case Series Report. <i>Transplantation Direct</i> , 2021, 7, e726.	1.6	7
57	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
58	Digital Assembly of Spherical Viscoelastic Bioâ€ink Particles. <i>Advanced Functional Materials</i> , 2022, 32, 2109004.	14.9	6
59	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
60	Kidney transplantation at the University of Illinois at Chicago from 1988-2004. <i>Clinical Transplants</i> , 2004, , 143-9.	0.2	6
61	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
62	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
63	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
64	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
65	Hepatic Artery Thrombosis and Takotsubo Syndrome After Liver Transplantation â€Which Came First?. <i>American Journal of Case Reports</i> , 2020, 21, e920263.	0.8	4
66	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
67	Center-level Variation in HLA-incompatible Living Donor Kidney Transplantation Outcomes. <i>Transplantation</i> , 2021, 105, 436-442.	1.0	3
68	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
69	Implementation of a Simplified Method of Islet Isolation for Allogeneic Islet Transplantation in Cynomolgus Monkeys. <i>Pancreas</i> , 2014, 43, 226-235.	1.1	2
70	Concurrent Hepatic Artery and Portal Vein Thrombosis after Orthotopic Liver Transplantation with Preserved Allografts. <i>Case Reports in Transplantation</i> , 2014, 2014, 1-6.	0.3	2
71	Renofemoral shunt for protection of abdominal allografts during emergency abdominal aortic surgery. <i>Journal of Vascular Surgery Cases</i> , 2015, 1, 113-115.	0.2	2
72	Inferior Vena Cava Stent-Graft Sepsis. <i>Annals of Vascular Surgery</i> , 2015, 29, 1451.e17-1451.e20.	0.9	1

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73	Long term (4 years) improved insulin sensitivity following islet cell transplant in type 1 diabetes. Diabetes/Metabolism Research and Reviews, 2018, 34, e2972.	4.0	1
74	Liver Transplantation With Grafts From Super Obese Donors. Transplantation Direct, 2021, 7, e770.	1.6	1
75	Heterogeneous toroidal spiral particles for islet encapsulation. Biomaterials Science, 2021, 9, 3954-3967.	5.4	1
76	Increased use of split liver grafts in adult recipients following implementation of a pediatric liver transplant program. Pediatric Transplantation, 2021, , e14159.	1.0	1
77	Outcomes in Adult Liver Transplant Recipients Using Pediatric Deceased Donor Liver Grafts. Transplantation Direct, 2022, 8, e1315.	1.6	1
78	Diazoxide Preconditioning of Nonhuman Primate Pancreas Improves Islet Isolation Outcomes by Mitochondrial Protection. Pancreas, 2020, 49, 706-713.	1.1	0