

# Michael Alexander

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9613123/publications.pdf>

Version: 2024-02-01

28  
papers

509  
citations

840776

11  
h-index

713466

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

706  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Islet and Stem Cell Encapsulation for Clinical Transplantation. Review of Diabetic Studies, 2014, 11, 84-101.  | 1.3 | 97        |
| 2  | Cryopreservation: An Overview of Principles and Cell-Specific Considerations. Cell Transplantation, 2021, 30, 096368972199961.   | 2.5 | 97        |
| 3  | Encapsulated Islet Transplantation: Strategies and Clinical Trials. Immune Network, 2013, 13, 235.   | 3.6 | 57        |
| 4  | Systematic review of islet cryopreservation. Islets, 2018, 10, 40-49.  | 1.8 | 32        |
| 5  | Cost and Scalability Analysis of Porcine Islet Isolation for Islet Transplantation: Comparison of Juvenile, Neonatal and Adult Pigs. Cell Transplantation, 2019, 28, 967-972.  | 2.5 | 22        |
| 6  | In vitro characterization of neonatal, juvenile, and adult porcine islet oxygen demand, cell function, and transcriptomes. Xenotransplantation, 2018, 25, e12432.  | 2.8 | 20        |
| 7  | Approaches in Immunotherapy, Regenerative Medicine, and Bioengineering for Type 1 Diabetes. Frontiers in Immunology, 2018, 9, 1354.  | 4.8 | 19        |
| 8  | Necrostatin-1 supplementation enhances young porcine islet maturation and in vitro function. Xenotransplantation, 2020, 27, e12555.  | 2.8 | 18        |
| 9  | Characterisation of impaired wound healing in a preclinical model of induced diabetes using wide-field imaging and conventional immunohistochemistry assays. International Wound Journal, 2019, 16, 144-152.   | 2.9 | 16        |
| 10 | Functionalization of Alginate with Extracellular Matrix Peptides Enhances Viability and Function of Encapsulated Porcine Islets. Advanced Healthcare Materials, 2020, 9, e2000102.   | 7.6 | 15        |
| 11 | Improved cryopreservation yield of pancreatic islets using combination of lower dose permeable cryoprotective agents. Cryobiology, 2019, 88, 23-28.  | 0.7 | 14        |
| 12 | Effects of Periodic Intensive Insulin Therapy: An Updated Review. Current Therapeutic Research, 2019, 90, 61-67.   | 1.2 | 13        |
| 13 | An overview of current advancements in pancreatic islet transplantation into the omentum. Islets, 2021, 13, 115-120.   | 1.8 | 12        |
| 14 | Impact of donor age and weaning status on pancreatic exocrine and endocrine tissue maturation in pigs. Xenotransplantation, 2015, 22, 356-367.   | 2.8 | 10        |
| 15 | Controlled Release of Stem Cell Secretome Attenuates Inflammatory Response against Implanted Biomaterials. Advanced Healthcare Materials, 2020, 9, e1901874.   | 7.6 | 10        |
| 16 | In Quest of Pathognomonic/Endophenotypic Markers of Attention Deficit Hyperactivity Disorder (ADHD): Potential of EEG-Based Frequency Analysis and ERPs to Better Detect, Prevent and Manage ADHD. Medical Devices: Evidence and Research, 2020, Volume 13, 115-137. | 0.8 | 9         |
| 17 | Cryopreserved Alginate-Encapsulated Islets Can Restore Euglycemia in a Diabetic Animal Model Better than Cryopreserved Non-encapsulated Islets. Cell Medicine, 2019, 11, 215517901987664.  | 5.0 | 7         |
| 18 | Dose-dependent effects of necrostatin-1 supplementation to tissue culture media of young porcine islets. PLoS ONE, 2020, 15, e0243506.   | 2.5 | 7         |

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|----|--|-----|-----------|
| 19 | Characterization of chelator-mediated recovery of pancreatic islets from barium-stabilized alginate microcapsules. <i>Xenotransplantation</i> , 2020, 27, e12554.  | 2.8 | 5         |
| 20 | Comparison of islet isolation result and clinical applicability according to GMP-grade collagenase enzyme blend in adult porcine islet isolation and culture. <i>Xenotransplantation</i> , 2021, 28, e12703.       | 2.8 | 5         |
| 21 | Necrostatin-1 Supplementation to Islet Tissue Culture Enhances the In-Vitro Development and Graft Function of Young Porcine Islets. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8367.           | 4.1 | 5         |
| 22 | Physiologic Insulin Resensitization as a Treatment Modality for Insulin Resistance Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1884.   | 4.1 | 5         |
| 23 | Optimal Time to Ship Human Islets Post Tissue Culture to Maximize Islet. <i>Cell Transplantation</i> , 2020, 29, 096368972097458.  | 2.5 | 4         |
| 24 | The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. <i>Biomolecules</i> , 2020, 10, 722.                             | 4.0 | 4         |
| 25 | Evaluation of Cycloferin Supplement on Health Parameters in Experimentally Induced Diabetic Rats with and Without Exogenous Insulin. <i>Journal of Dietary Supplements</i> , 2019, 16, 454-462.                    | 2.6 | 2         |
| 26 | Comparison of Islet Characterization from Use of Standard Crude Collagenase to GMP-Grade Collagenase Enzyme Blends in Preweaned Porcine Islet Isolations. <i>Cell Transplantation</i> , 2020, 29, 096368972097783. | 2.5 | 2         |
| 27 | Islet Transplantation in the Lung via Endoscopic Aerosolization: Investigation of Feasibility, Islet Cluster Cell Vitality, and Structural Integrity. <i>Cell Transplantation</i> , 2020, 29, 096368972094924.     | 2.5 | 1         |
| 28 | Exploring Insulin Production Following Alveolar Islet Transplantation (AIT). <i>International Journal of Molecular Sciences</i> , 2021, 22, 10185.   | 4.1 | 1         |