

Melanie J Graham

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,832
citations

361413

20
h-index

265206

42
g-index

54
all docs

54
docs citations

54
times ranked

2412
citing authors

#	ARTICLE	IF	CITATIONS
1	Prolonged diabetes reversal after intraportal xenotransplantation of wild-type porcine islets in immunosuppressed nonhuman primates. <i>Nature Medicine</i> , 2006, 12, 301-303.	30.7	499
2	The streptozotocin-induced diabetic nude mouse model: differences between animals from different sources. <i>Comparative Medicine</i> , 2011, 61, 356-60.	1.0	140
3	The multifactorial role of the 3Rs in shifting the harm-benefit analysis in animal models of disease. <i>European Journal of Pharmacology</i> , 2015, 759, 19-29.	3.5	128
4	A completely biological "off-the-shelf" arteriovenous graft that recellularizes in baboons. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	120
5	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	1.0	72
6	Species incompatibilities in the pig-to-macaque islet xenotransplant model affect transplant outcome: a comparison with allotransplantation. <i>Xenotransplantation</i> , 2011, 18, 328-342.	2.8	69
7	Extrahepatic islet transplantation with microporous polymer scaffolds in syngeneic mouse and allogeneic porcine models. <i>Biomaterials</i> , 2011, 32, 9677-9684.	11.4	67
8	Differences in glucose-stimulated insulin secretion <i>in vitro</i> of islets from human, nonhuman primate, and porcine origin. <i>Xenotransplantation</i> , 2013, 20, 75-81.	2.8	56
9	Validity of animal models of type 1 diabetes, and strategies to enhance their utility in translational research. <i>European Journal of Pharmacology</i> , 2015, 759, 221-230.	3.5	53
10	Successful implementation of cooperative handling eliminates the need for restraint in a complex non-human primate disease model. <i>Journal of Medical Primatology</i> , 2012, 41, 89-106.	0.6	50
11	A comprehensive microbiological safety approach for agarose encapsulated porcine islets intended for clinical trials. <i>Xenotransplantation</i> , 2016, 23, 444-463.	2.8	45
12	Long-term tolerance of islet allografts in nonhuman primates induced by apoptotic donor leukocytes. <i>Nature Communications</i> , 2019, 10, 3495.	12.8	43
13	The safety, efficacy and regulatory triangle in drug development: Impact for animal models and the use of animals. <i>European Journal of Pharmacology</i> , 2015, 759, 3-13.	3.5	41
14	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes"Chapter 4: pre-clinical efficacy and complication data required to justify a clinical trial. <i>Xenotransplantation</i> , 2016, 23, 46-52.	2.8	36
15	The usefulness and limitations of the diabetic macaque model in evaluating long-term porcine islet xenograft survival. <i>Xenotransplantation</i> , 2013, 20, 5-17.	2.8	35
16	Effects of Histone Deacetylase Inhibitor SAHA on Effector and FOXP3+Regulatory T Cells in Rhesus Macaques. <i>Transplantation Proceedings</i> , 2008, 40, 459-461.	0.6	33
17	Factors Affecting Transplant Outcomes in Diabetic Nude Mice Receiving Human, Porcine, and Nonhuman Primate Islets. <i>Transplantation</i> , 2013, 95, 1439-1447.	1.0	31
18	Cyclosporine toxicity in immunosuppressed streptozotocin-diabetic nonhuman primates. <i>Toxicology</i> , 2005, 207, 117-127.	4.2	25

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19	Mucosal Microbiota and Metabolome along the Intestinal Tract Reveal a Location-Specific Relationship. <i>MSystems</i> , 2020, 5, .	3.8	25
20	A novel alternative placement site and technique for totally implantable vascular access ports in nonhuman primates. <i>Journal of Medical Primatology</i> , 2009, 38, 204-212.	0.6	24
21	Refining the high-dose streptozotocin-induced diabetic non-human primate model: an evaluation of risk factors and outcomes. <i>Experimental Biology and Medicine</i> , 2011, 236, 1218-1230.	2.4	21
22	Real-Time Noninvasive Assessment of Pancreatic ATP Levels During Cold Preservation. <i>Transplantation Proceedings</i> , 2008, 40, 403-406.	0.6	16
23	Refinement of vascular access port placement in nonhuman primates: complication rates and outcomes. <i>Comparative Medicine</i> , 2010, 60, 479-85.	1.0	16
24	Evaluation of commercial ELISA and RIA for measuring porcine C-peptide: implications for research. <i>Xenotransplantation</i> , 2015, 22, 62-69.	2.8	15
25	Boosting of SARS-CoV-2 immunity in nonhuman primates using an oral rhabdoviral vaccine. <i>Vaccine</i> , 2022, 40, 2342-2351.	3.8	14
26	Comparisons of phenotype and immunomodulatory capacity among rhesus bone marrow-derived mesenchymal stem/stromal cells, multipotent adult progenitor cells, and dermal fibroblasts. <i>Journal of Medical Primatology</i> , 2014, 43, 231-241.	0.6	13
27	Management of adverse side-effects after chemotherapy in macaques as exemplified by streptozotocin: case studies and recommendations. <i>Laboratory Animals</i> , 2012, 46, 178-192.	1.0	12
28	Risk factors associated with surgical site infection and the development of short-term complications in macaques undergoing indwelling vascular access port placement. <i>Journal of Medical Primatology</i> , 2008, 37, 202-209.	0.6	11
29	Cross-validation of commercial enzyme-linked immunosorbent assay and radioimmunoassay for porcine C-peptide concentration measurements in nonhuman primate serum. <i>Xenotransplantation</i> , 2017, 24, e12320.	2.8	10
30	Pretreatment of Donor Pigs With a Diet Rich in Soybean Oil Increases the Yield of Isolated Islets. <i>Transplantation Proceedings</i> , 2014, 46, 1945-1949.	0.6	9
31	Xenotransplantation of islet cells: what can the nonhuman primate model bring for the evaluation of efficacy and safety?. <i>Xenotransplantation</i> , 2015, 22, 231-235.	2.8	9
32	Long-Term Management of Vascular Access Ports in Nonhuman Primates Used in Preclinical Efficacy and Tolerability Studies. <i>Journal of Investigative Surgery</i> , 2020, 33, 493-504.	1.3	9
33	Clinically available immunosuppression averts rejection but not systemic inflammation after porcine islet xenotransplant in cynomolgus macaques. <i>American Journal of Transplantation</i> , 2022, 22, 745-760.	4.7	9
34	Pharmacokinetics and Antinociceptive Activity of Sustained-Release Buprenorphine in Sheep. <i>Journal of the American Association for Laboratory Animal Science</i> , 2015, 54, 763-8.	1.2	9
35	Preliminary Evaluation of Sustained-release Compared with Conventional Formulations of Meloxicam in Sheep (<i>Ovis aries</i>). <i>Journal of the American Association for Laboratory Animal Science</i> , 2019, 58, 339-345.	1.2	8
36	Pancreatic islet xenotransplantation. <i>Drug Discovery Today: Disease Models</i> , 2017, 23, 43-50.	1.2	7

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37	Serum cytokine profiles in healthy nonhuman primates are blunted by sedation and demonstrate sexual dimorphism as detected by a validated multiplex immunoassay. <i>Scientific Reports</i> , 2021, 11, 2340.	3.3	7
38	Long-Term Hepatic Vascular Access in the Nonhuman Primate for Recurrent Portal Vein Infusion. <i>Journal of Investigative Surgery</i> , 2011, 24, 59-66.	1.3	6
39	Successful Isolation and Transplantation of Nonhuman Primate Islets Using a Novel Purified Enzyme Blend. <i>Transplantation</i> , 2011, 92, e40-e42.	1.0	6
40	Behavioral Management as a Coping Strategy for Managing Stressors in Primates: The Influence of Temperament and Species. <i>Biology</i> , 2022, 11, 423.	2.8	5
41	Establishing a Large-Animal Model for <i>In Vivo</i> Reprogramming of Bile Duct Cells into Insulin-Secreting Cells to Treat Diabetes. <i>Human Gene Therapy Clinical Development</i> , 2017, 28, 87-95.	3.1	4
42	Long-term efficacy and safety of porcine islet macrobeads in nonimmunosuppressed diabetic cynomolgus macaques. <i>Xenotransplantation</i> , 2022, 29, e12747.	2.8	4
43	Noninvasive Fluorine-19 Magnetic Resonance Relaxometry Measurement of the Partial Pressure of Oxygen in Acellular Perfluorochemical-loaded Alginate Microcapsules Implanted in the Peritoneal Cavity of Nonhuman Primates. <i>Transplantation</i> , 2020, 104, 259-269.	1.0	3
44	A nonhuman primate model of vertical sleeve gastrectomy facilitates mechanistic and translational research in human obesity. <i>IScience</i> , 2021, 24, 103421.	4.1	2
45	Limitations of the model of porcine islet transplantation in diabetic nonhuman primates affecting long-term survival and graft function. <i>Xenotransplantation</i> , 2012, 19, 8-8.	2.8	1
46	The immunobiology of pig-to-nonhuman primate islet xenotransplantation: insights, innovation, and impact. <i>Xenotransplantation</i> , 2013, 20, 50-50.	2.8	1
47	Meeting Report of the 33rd Annual Meeting of the Academy of Surgical Research: Summary of Presentations, Labs, and Workshops, Focusing on Experimental Surgery, Las Vegas, NV, October 4-6, 2017. <i>Journal of Investigative Surgery</i> , 2019, 32, 573-585.	1.3	1
48	Commentary on: Is the renal subcapsular space the preferred site for clinical porcine islet xenotransplantation? Review article (<i>Int J Surg</i> 2019 Jul 30;69:100-107.) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 302 Jd (https://doi.org/10.1016/j.intjs.2019.07.011)		
49	Meeting Report of the 34th Annual Meeting of the Academy of Surgical Research: Summary of Presentations, Labs, and Workshops, Focusing on Experimental Surgery, Charleston, SC, September 26-28, 2018. <i>Journal of Investigative Surgery</i> , 2019, 32, 773-784.	1.3	1
50	Characterization of Different Commercial Dietary Supplements in the Peri-Weaning Period on Consumption and Growth Performance in C57Bl/6J Mice. <i>Animals</i> , 2020, 10, 1284.	2.3	1