

# Timothy O'Brien

## List of Publications by Year in descending order

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68  
papers

2,613  
citations

172207

29  
h-index

197535

49  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3625  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	9
2	A novel MCT1 and MCT4 dual inhibitor reduces mitochondrial metabolism and inhibits tumour growth of feline oral squamous cell carcinoma. <i>Veterinary and Comparative Oncology</i> , 2020, 18, 324-341.	0.8	10
3	Interspecies Organogenesis for Human Transplantation. <i>Cell Transplantation</i> , 2019, 28, 1091-1105.	1.2	19
4	What is your diagnosis? Nasal lesion in a horse with exophthalmos. <i>Veterinary Clinical Pathology</i> , 2019, 48, 771-773.	0.3	1
5	Comparative Transcriptome Analysis Quantifies Immune Cell Transcript Levels, Metastatic Progression, and Survival in Osteosarcoma. <i>Cancer Research</i> , 2018, 78, 326-337.	0.4	100
6	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.	3.2	4
7	Constitutive activation of alternative nuclear factor kappa B pathway in canine diffuse large B-cell lymphoma contributes to tumor cell survival and is a target of new adjuvant therapies. <i>Leukemia and Lymphoma</i> , 2017, 58, 1702-1710.	0.6	10
8	A completely biological <i>off-the-shelf</i> arteriovenous graft that recellularizes in baboons. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	120
9	Generation of induced pluripotent stem cells from Chinese hamster embryonic fibroblasts. <i>Stem Cell Research</i> , 2017, 21, 132-136.	0.3	3
10	Anti-Insulin Immune Responses Are Detectable in Dogs with Spontaneous Diabetes. <i>PLoS ONE</i> , 2016, 11, e0152397.	1.1	8
11	Rapid Induction of Cerebral Organoids From Human Induced Pluripotent Stem Cells Using a Chemically Defined Hydrogel and Defined Cell Culture Medium. <i>Stem Cells Translational Medicine</i> , 2016, 5, 970-979.	1.6	116
12	Eradication of Canine Diffuse Large B-Cell Lymphoma in a Murine Xenograft Model with CD47 Blockade and Anti-CD20. <i>Cancer Immunology Research</i> , 2016, 4, 1072-1087.	1.6	46
13	Plasticity and Aggregation of Juvenile Porcine Islets in Modified Culture: Preliminary Observations. <i>Cell Transplantation</i> , 2016, 25, 1763-1775.	1.2	2
14	Canine adipose-derived stromal cell viability following exposure to synovial fluid from osteoarthritic joints. <i>Veterinary Record Open</i> , 2015, 2, e000063.	0.3	10
15	Porcine lung mesenchymal stromal cells possess differentiation and immunoregulatory properties. <i>Stem Cell Research and Therapy</i> , 2015, 6, 222.	2.4	13
16	Stimulation with Concanavalin-A Induces IL-17 Production by Canine Peripheral T Cells. <i>Veterinary Sciences</i> , 2015, 2, 43-51.	0.6	15
17	A Chitosan-Hyaluronan-Based Hydrogel-Hydrocolloid Supports <i>In Vitro</i> Culture and Differentiation of Human Mesenchymal Stem/Stromal Cells. <i>Tissue Engineering - Part A</i> , 2015, 21, 1952-1962.	1.6	32
18	Mesenchymal stromal cells inhibit murine syngeneic anti-tumor immune responses by attenuating inflammation and reorganizing the tumor microenvironment. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 1449-1460.	2.0	6

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19	A double blinded, placebo-controlled pilot study to examine reduction of CD34+/CD117+/CD133+ lymphoma progenitor cells and duration of remission induced by neoadjuvant valsopodar in dogs with large B-cell lymphoma. <i>F1000Research</i> , 2015, 4, 42.	0.8	4
20	Proteomic Analysis of Highly Prevalent Amyloid A Amyloidosis Endemic to Endangered Island Foxes. <i>PLoS ONE</i> , 2014, 9, e113765.	1.1	16
21	Temperature profiles of different cooling methods in porcine pancreas procurement. <i>Xenotransplantation</i> , 2014, 21, 574-581.	1.6	11
22	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.	0.3	13
23	Spheroid Culture for Enhanced Differentiation of Human Embryonic Stem Cells to Hepatocyte-Like Cells. <i>Stem Cells and Development</i> , 2014, 23, 124-131.	1.1	69
24	Nano-engineered mesenchymal stem cells as targeted therapeutic carriers. <i>Journal of Controlled Release</i> , 2014, 196, 243-251.	4.8	92
25	Identification of Three Molecular and Functional Subtypes in Canine Hemangiosarcoma through Gene Expression Profiling and Progenitor Cell Characterization. <i>American Journal of Pathology</i> , 2014, 184, 985-995.	1.9	68
26	Abnormal Infant Islet Morphology Precedes Insulin Resistance in PCOS-Like Monkeys. <i>PLoS ONE</i> , 2014, 9, e106527.	1.1	37
27	Arginase Treatment Prevents the Recovery of Canine Lymphoma and Osteosarcoma Cells Resistant to the Toxic Effects of Prolonged Arginine Deprivation. <i>PLoS ONE</i> , 2013, 8, e54464.	1.1	8
28	MAPC culture conditions support the derivation of cells with nascent hypoblast features from bone marrow and blastocysts. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 423-426.	1.5	20
29	CD40 ligand is necessary and sufficient to support primary diffuse large B-cell lymphoma cells in culture: a tool for <i>in vitro</i> preclinical studies with primary B-cell malignancies. <i>Leukemia and Lymphoma</i> , 2012, 53, 1390-1398.	0.6	17
30	Paramagnetic microparticles do not elicit islet cytotoxicity with <i>co</i> -culture or host immune reactivity after implantation. <i>Xenotransplantation</i> , 2011, 18, 239-244.	1.6	3
31	Comparison of exendin-4 on beta-cell replication in mouse and human islet grafts. <i>Transplant International</i> , 2011, 24, 856-864.	0.8	45
32	Stimulating beta cell replication and improving islet graft function by GPR119 agonists. <i>Transplant International</i> , 2011, 24, 1124-1134.	0.8	37
33	Evaluation of plasma islet amyloid polypeptide and serum glucose and insulin concentrations in nondiabetic cats classified by body condition score and in cats with naturally occurring diabetes mellitus. <i>American Journal of Veterinary Research</i> , 2011, 72, 1052-1058.	0.3	15
34	Enhanced Differentiation of Adult Bone Marrow-Derived Stem Cells to Liver Lineage in Aggregate Culture. <i>Tissue Engineering - Part A</i> , 2011, 17, 2331-2341.	1.6	16
35	Reversal of New-Onset Diabetes through Modulating Inflammation and Stimulating $\beta$ -Cell Replication in Nonobese Diabetic Mice by a Dipeptidyl Peptidase IV Inhibitor. <i>Endocrinology</i> , 2010, 151, 3049-3060.	1.4	111
36	Isolation and characterization of chicken lung mesenchymal stromal cells and their susceptibility to avian influenza virus. <i>Developmental and Comparative Immunology</i> , 2010, 34, 474-479.	1.0	36

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37	Exclusion of cytoplasmic fragments in flow cytometric analysis of lymph node samples from dogs with lymphoma using membrane-permeable violet laser-excitable DNA-binding fluorescent dye (DyeCycle Violet). <i>Veterinary Clinical Pathology</i> , 2010, 39, 494-498.	0.3	6
38	Evidence for Proteotoxicity in $\beta$ 2 Cells in Type 2 Diabetes. <i>American Journal of Pathology</i> , 2010, 176, 861-869.	1.9	207
39	Isolation and Differentiation of Chicken Mesenchymal Stem Cells From Bone Marrow. <i>Stem Cells and Development</i> , 2009, 18, 1485-1492.	1.1	52
40	Upregulating CD4+CD25+FOXP3+ Regulatory T Cells in Pancreatic Lymph Nodes in Diabetic NOD Mice by Adjuvant Immunotherapy. <i>Transplantation</i> , 2009, 87, 198-206.	0.5	55
41	When a nephrectomy cures hypoglycaemia. <i>BMJ Case Reports</i> , 2009, 2009, bcr0220091617-bcr0220091617.	0.2	3
42	Islets in Type 2 Diabetes: In Honor of Dr. Robert C. Turner. <i>Diabetes</i> , 2008, 57, 2899-2904.	0.3	61
43	AMYLOIDOSIS IN THE BLACK-FOOTED FERRET ( <i>MUSTELA NIGRIPES</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , 2007, 38, 32-41.	0.3	18
44	Multipotent Adult Progenitor Cells from Swine Bone Marrow. <i>Stem Cells</i> , 2006, 24, 2355-2366.	1.4	93
45	Feline Models of Type 2 Diabetes Mellitus. <i>ILAR Journal</i> , 2006, 47, 234-242.	1.8	86
46	A Feline Model of Experimentally Induced Islet Amyloidosis. <i>American Journal of Pathology</i> , 2000, 157, 2143-2150.	1.9	75
47	Amino acid sequence analysis of amyloid protein A (AA) from cats (captive cheetahs: <i>Acinonyx jubatus</i> ) with a high prevalence of AA amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1997, 4, 171-177.	1.4	14
48	$\beta$ 2-Associated cerebral angiopathy and senile plaques with neurofibrillary tangles and cerebral hemorrhage in an aged wolverine ( <i>Gulo gulo</i> ). <i>Neurobiology of Aging</i> , 1996, 17, 243-247.	1.5	59
49	Duplex Doppler Estimation of Pourcelot Resistive Index in Arcuate Arteries of Sedated Normal Cats. <i>Journal of Veterinary Internal Medicine</i> , 1996, 10, 28-33.	0.6	39
50	Amyloid proteins and amyloidosis in domestic animals. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1996, 3, 270-289.	1.4	40
51	Gray-Scale Sonographic Characterization of Aminoglycoside-Induced Nephrotoxicosis in a Canine Model. <i>Investigative Radiology</i> , 1996, 31, 639-651.	3.5	9
52	AA amyloidosis in Chinese Shar-pei dogs: Immunohistochemical and amino acid sequence analyses. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1995, 2, 92-99.	1.4	12
53	Islet Amyloid Polypeptide in Human Insulinomas: Evidence for Intracellular Amyloidogenesis. <i>Diabetes</i> , 1994, 43, 329-336.	0.3	87
54	Sequence of raccoon IAPP supports importance of a specific structural motif in the development of pancreatic islet amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1994, 1, 160-164.	1.4	9

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55	Continent Jejunum Reservoir (Kock Pouch) for Urinary Diversion in Dogs. <i>Veterinary Surgery</i> , 1992, 21, 208-216.	0.5	10
56	Correlation of Urine Protein/Creatinine Ratio and Twenty-Four-Hour Urinary Protein Excretion in Normal Cats and Cats with Surgically Induced Chronic Renal Failure. <i>Journal of Veterinary Internal Medicine</i> , 1992, 6, 36-40.	0.6	46
57	Islet Amyloid Polypeptide and Insulin Secretion From Isolated Perfused Pancreas of Fed, Fasted, Glucose-Treated, and Dexamethasone-Treated Rats. <i>Diabetes</i> , 1991, 40, 1701-1706.	0.3	97
58	Amyloid in the pancreatic islets of the cougar ( <i>Felis concolor</i> ) is derived from islet amyloid polypeptide (IAPP). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1991, 98, 115-119.	0.2	14
59	Amino acid sequence from degu islet amyloid-derived insulin shows unique sequence characteristics. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 571-577.	1.0	49
60	Islet amyloid polypeptide (IAPP) does not inhibit glucose-stimulated insulin secretion from isolated perfused rat pancreas. <i>Biochemical and Biophysical Research Communications</i> , 1990, 170, 1223-1228.	1.0	45
61	Islet Amyloid, Islet-Amyloid Polypeptide, and Diabetes Mellitus. <i>New England Journal of Medicine</i> , 1989, 321, 513-518.	13.9	179
62	Dietary Management of Canine and Feline Chronic Renal Failure. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1989, 19, 539-560.	0.5	16
63	Relationship of Nutritional Factors to the Cause, Dissolution, and Prevention of Canine Uroliths. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1989, 19, 583-619.	0.5	21
64	Relationship of Nutritional Factors to the Cause, Dissolution, and Prevention of Feline Uroliths and Urethral Plugs. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1989, 19, 561-581.	0.5	15
65	Urologic Disorders of Immature Cats. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1987, 17, 663-696.	0.5	19
66	Etiopathogenesis and Biological Behavior of Feline Vesicourachal Diverticula. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1987, 17, 697-733.	0.5	26
67	Crystalluria: Observations, Interpretations, and Misinterpretations. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 1986, 16, 45-65.	0.5	5
68	A double blinded, placebo-controlled pilot study to examine reduction of CD34+/CD117+/CD133+ lymphoma progenitor cells and duration of remission induced by neoadjuvant valsopodar in dogs with large B-cell lymphoma. <i>F1000Research</i> , 0, 4, 42.	0.8	3