Timothy O'Brien

List of Publications by Year
in descending order

68	2,613	172207	197535
papers	citations	29 h-index	49 g-index

70	70	70	3625
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for Proteotoxicity in Î² Cells in Type 2 Diabetes. American Journal of Pathology, 2010, 176, 861-869.	1.9	207
2	Islet Amyloid, Islet-Amyloid Polypeptide, and Diabetes Mellitus. New England Journal of Medicine, 1989, 321, 513-518.	13.9	179
3	A completely biological â€œoff-the-shelfâ€•arteriovenous graft that recellularizes in baboons. Science Translational Medicine, 2017, 9, .	5.8	120
4	Rapid Induction of Cerebral Organoids From Human Induced Pluripotent Stem Cells Using a Chemically Defined Hydrogel and Defined Cell Culture Medium. Stem Cells Translational Medicine, 2016, 5, 970-979.	1.6	116
5	Reversal of New-Onset Diabetes through Modulating Inflammation and Stimulating Î²-Cell Replication in Nonobese Diabetic Mice by a Dipeptidyl Peptidase IV Inhibitor. Endocrinology, 2010, 151, 3049-3060.	1.4	111
6	Comparative Transcriptome Analysis Quantifies Immune Cell Transcript Levels, Metastatic Progression, and Survival in Osteosarcoma. Cancer Research, 2018, 78, 326-337.	0.4	100
7	Islet Amyloid Polypeptide and Insulin Secretion From Isolated Perfused Pancreas of Fed, Fasted, Glucose-Treated, and Dexamethasone-Treated Rats. Diabetes, 1991, 40, 1701-1706.	0.3	97
8	Multipotent Adult Progenitor Cells from Swine Bone Marrow. Stem Cells, 2006, 24, 2355-2366.	1.4	93
9	Nano-engineered mesenchymal stem cells as targeted therapeutic carriers. Journal of Controlled Release, 2014, 196, 243-251.	4.8	92
10	Islet Amyloid Polypeptide in Human Insulinomas: Evidence for Intracellular Amyloidogenesis. Diabetes, 1994, 43, 329-336.	0.3	87
11	Feline Models of Type 2 Diabetes Mellitus. ILAR Journal, 2006, 47, 234-242.	1.8	86
12	A Feline Model of Experimentally Induced Islet Amyloidosis. American Journal of Pathology, 2000, 157, 2143-2150.	1.9	75
13	Spheroid Culture for Enhanced Differentiation of Human Embryonic Stem Cells to Hepatocyte-Like Cells. Stem Cells and Development, 2014, 23, 124-131.	1.1	69
14	Identification of Three Molecular and Functional Subtypes in Canine Hemangiosarcoma through Gene Expression Profiling and Progenitor Cell Characterization. American Journal of Pathology, 2014, 184, 985-995.	1.9	68
15	Islets in Type 2 Diabetes: In Honor of Dr. Robert C. Turner. Diabetes, 2008, 57, 2899-2904.	0.3	61
16	AÎ²-Associated cerebral angiopathy and senile plaques with neurofibrillary tangles and cerebral hemorrhage in an aged wolverine (Gulo gulo). Neurobiology of Aging, 1996, 17, 243-247.	1.5	59
17	Upregulating CD4+CD25+FOXP3+ Regulatory T Cells in Pancreatic Lymph Nodes in Diabetic NOD Mice by Adjuvant Immunotherapy. Transplantation, 2009, 87, 198-206.	0.5	55
18	Isolation and Differentiation of Chicken Mesenchymal Stem Cells From Bone Marrow. Stem Cells and Development, 2009, 18, 1485-1492.	1.1	52

#	Article	IF	Citations
19	Amino acid sequence from degu islet amyloid-derived insulin shows unique sequence characteristics. Biochemical and Biophysical Research Communications, 1990, 169, 571-577.	1.0	49
20	Correlation of Urine Protein/Creatinine Ratio and Twentyâ€Fourâ€Hour Urinary Protein Excretion in Normal Cats and Cats with Surgically Induced Chronic Renal Failure. Journal of Veterinary Internal Medicine, 1992, 6, 36-40.	0.6	46
21	Eradication of Canine Diffuse Large B-Cell Lymphoma in a Murine Xenograft Model with CD47 Blockade and Anti-CD20. Cancer Immunology Research, 2016, 4, 1072-1087.	1.6	46
22	Islet amyloid polypeptide (IAPP) does not inhibit glucose-stimulated insulin secretion from isolated perfused rat pancreas. Biochemical and Biophysical Research Communications, 1990, 170, 1223-1228.	1.0	45
23	Comparison of exendin-4 on beta-cell replication in mouse and human islet grafts. Transplant International, 2011, 24, 856-864.	0.8	45
24	Amyloid proteins and amyloidosis in domestic animals. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1996, 3, 270-289.	1.4	40
25	Duplex Doppler Estimation of Pourcelot Resistive Index in Arcuate Arteries of Sedated Normal Cats. Journal of Veterinary Internal Medicine, 1996, 10, 28-33.	0.6	39
26	Stimulating beta cell replication and improving islet graft function by GPR119 agonists. Transplant International, 2011, 24, 1124-1134.	0.8	37
27	Abnormal Infant Islet Morphology Precedes Insulin Resistance in PCOS-Like Monkeys. PLoS ONE, 2014, 9, e106527.	1.1	37
28	Isolation and characterization of chicken lung mesenchymal stromal cells and their susceptibility to avian influenza virus. Developmental and Comparative Immunology, 2010, 34, 474-479.	1.0	36
29	A Chitosan-Hyaluronan-Based Hydrogel-Hydrocolloid SupportsIn VitroCulture and Differentiation of Human Mesenchymal Stem/Stromal Cells. Tissue Engineering - Part A, 2015, 21, 1952-1962.	1.6	32
30	Etiopathogenesis and Biological Behavior of Feline Vesicourachal Diverticula. Veterinary Clinics of North America - Small Animal Practice, 1987, 17, 697-733.	0.5	26
31	Relationship of Nutritional Factors to the Cause, Dissolution, and Prevention of Canine Uroliths. Veterinary Clinics of North America - Small Animal Practice, 1989, 19, 583-619.	0.5	21
32	MAPC culture conditions support the derivation of cells with nascent hypoblast features from bone marrow and blastocysts. Journal of Molecular Cell Biology, 2012, 4, 423-426.	1.5	20
33	Urologic Disorders of Immature Cats. Veterinary Clinics of North America - Small Animal Practice, 1987, 17, 663-696.	0.5	19
34	Interspecies Organogenesis for Human Transplantation. Cell Transplantation, 2019, 28, 1091-1105.	1.2	19
35	AMYLOIDOSIS IN THE BLACK-FOOTED FERRET (MUSTELA NIGRIPES). Journal of Zoo and Wildlife Medicine, 2007, 38, 32-41.	0.3	18
36	CD40 ligand is necessary and sufficient to support primary diffuse large B-cell lymphoma cells in culture: a tool forin vitropreclinical studies with primary B-cell malignancies. Leukemia and Lymphoma, 2012, 53, 1390-1398.	0.6	17

#	Article	IF	Citations
37	Dietary Management of Canine and Feline Chronic Renal Failure. Veterinary Clinics of North America - Small Animal Practice, 1989, 19, 539-560.	0.5	16
38	Enhanced Differentiation of Adult Bone Marrow-Derived Stem Cells to Liver Lineage in Aggregate Culture. Tissue Engineering - Part A, 2011, 17, 2331-2341.	1.6	16
39	Proteomic Analysis of Highly Prevalent Amyloid A Amyloidosis Endemic to Endangered Island Foxes. PLoS ONE, 2014, 9, e113765.	1.1	16
40	Relationship of Nutritional Factors to the Cause, Dissolution, and Prevention of Feline Uroliths and Urethral Plugs. Veterinary Clinics of North America - Small Animal Practice, 1989, 19, 561-581.	0.5	15
41	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. American Journal of Veterinary Research, 2011, 72, 1052-1058.	0.3	15
42	Stimulation with Concanavalin-A Induces IL-17 Production by Canine Peripheral T Cells. Veterinary Sciences, 2015, 2, 43-51.	0.6	15
43	Amyloid in the pancreatic islets of the cougar (Felis concolor) is derived from islet amyloid polypeptide (IAPP). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 98, 115-119.	0.2	14
44	Amino acid sequence analysis of amyloid protein A (AA) from cats (captive cheetahs: Acinonyx jubatus) with a high prevalence of AA amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1997, 4, 171-177.	1.4	14
45	Comparisons of phenotype and immunomodulatory capacity among rhesus boneâ€marrowâ€derived mesenchymal stem/stromal cells, multipotent adult progenitor cells, and dermal fibroblasts. Journal of Medical Primatology, 2014, 43, 231-241.	0.3	13
46	Porcine lung mesenchymal stromal cells possess differentiation and immunoregulatory properties. Stem Cell Research and Therapy, 2015, 6, 222.	2.4	13
47	AA amyloidosis in Chinese Shar-pei dogs: Immunohistochemical and amino acid sequence analyses. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1995, 2, 92-99.	1.4	12
48	Temperature profiles of different cooling methods in porcine pancreas procurement. Xenotransplantation, 2014, 21, 574-581.	1.6	11
49	Continent Jejunal Reservoir (Kock Pouch) for Urinary Diversion in Dogs. Veterinary Surgery, 1992, 21, 208-216.	0.5	10
50	Canine adiposeâ€derived stromal cell viability following exposure to synovial fluid from osteoarthritic joints. Veterinary Record Open, 2015, 2, e000063.	0.3	10
51	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. Leukemia and Lymphoma, 2017, 58, 1702-1710.	0.6	10
52	A novel MCT1 and MCT4 dual inhibitor reduces mitochondrial metabolism and inhibits tumour growth of feline oral squamous cell carcinoma. Veterinary and Comparative Oncology, 2020, 18, 324-341.	0.8	10
53	Sequence of raccoon IAPP supports importance of a specific structural motif in the development of pancreatic islet amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1994, 1, 160-164.	1.4	9
54	Gray-Scale Sonographic Characterization of Aminoglycoside-Induced Nephrotoxicosis in a Canine Model. Investigative Radiology, 1996, 31, 639-651.	3.5	9

#	Article	IF	Citations
55	Clinically available immunosuppression averts rejection but not systemic inflammation after porcine islet xenotransplant in cynomolgus macaques. American Journal of Transplantation, 2022, 22, 745-760.	2.6	9
56	Anti-Insulin Immune Responses Are Detectable in Dogs with Spontaneous Diabetes. PLoS ONE, 2016, 11, e0152397.	1.1	8
57	Arginase Treatment Prevents the Recovery of Canine Lymphoma and Osteosarcoma Cells Resistant to the Toxic Effects of Prolonged Arginine Deprivation. PLoS ONE, 2013, 8, e54464.	1.1	8
58	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). Veterinary Clinical Pathology, 2010, 39, 494-498.	0.3	6
59	Mesenchymal stromal cells inhibit murine syngeneic anti-tumor immune responses by attenuating inflammation and reorganizing the tumor microenvironment. Cancer Immunology, Immunotherapy, 2015, 64, 1449-1460.	2.0	6
60	Crystalluria: Observations, Interpretations, and Misinterpretations. Veterinary Clinics of North America - Small Animal Practice, 1986, 16, 45-65.	0.5	5
61	Establishing a Large-Animal Model for In Vivo Reprogramming of Bile Duct Cells into Insulin-Secreting Cells to Treat Diabetes. Human Gene Therapy Clinical Development, 2017, 28, 87-95.	3.2	4
62	A double blinded, placebo-controlled pilot study to examine reduction of CD34+/CD117+/CD133+ lymphoma progenitor cells and duration of remission induced by neoadjuvant valspodar in dogs with large B-cell lymphoma. F1000Research, 2015, 4, 42.	0.8	4
63	Paramagnetic microparticles do not elicit islet cytotoxicity with coâ€culture or host immune reactivity after implantation. Xenotransplantation, 2011, 18, 239-244.	1.6	3
64	Generation of induced pluripotent stem cells from Chinese hamster embryonic fibroblasts. Stem Cell Research, 2017, 21, 132-136.	0.3	3
65	When a nephrectomy cures hypoglycaemia. BMJ Case Reports, 2009, 2009, bcr0220091617-bcr0220091617.	0.2	3
66	A double blinded, placebo-controlled pilot study to examine reduction of CD34+/CD117+/CD133+ lymphoma progenitor cells and duration of remission induced by neoadjuvant valspodar in dogs with large B-cell lymphoma. F1000Research, 0, 4, 42.	0.8	3
67	Plasticity and Aggregation of Juvenile Porcine Islets in Modified Culture: Preliminary Observations. Cell Transplantation, 2016, 25, 1763-1775.	1.2	2
68	What is your diagnosis? Nasal lesion in a horse with exophthalmos. Veterinary Clinical Pathology, 2019, 48, 771-773.	0.3	1