Michael H Stoffel

List of Publications by Year in descending order

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Version: 2024-02-01

123	2,156	23	37
papers	citations	h-index	g-index
135	135	135	3335
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Determination of host proteins composing the microenvironment of coronavirus replicase complexes by proximity-labeling. ELife, $2019,8,.$	6.0	157
2	A Metabolic Enzyme as a Primary Virulence Factor of <i>Mycoplasma mycoides </i> mycoides mycoides mycoides mycoides mycoides mycoides mycoides mycoides mycoides	2.2	139
3	Occurrence of Leishmania sp. in cutaneous lesions of horses in Central Europe. Veterinary Parasitology, 2009, 166, 346-351.	1.8	79
4	Emergence of Canine Distemper Virus Strains With Modified Molecular Signature and Enhanced Neuronal Tropism Leading to High Mortality in Wild Carnivores. Veterinary Pathology, 2012, 49, 913-929.	1.7	74
5	Prevalence of keel bone deformities in Swiss laying hens. British Poultry Science, 2011, 52, 531-536.	1.7	69
6	A stereotaxic, population-averaged T1w ovine brain atlas including cerebral morphology and tissue volumes. Frontiers in Neuroanatomy, 2015, 9, 69.	1.7	59
7	Listeria monocytogenes Spreads within the Brain by Actin-Based Intra-Axonal Migration. Infection and Immunity, 2015, 83, 2409-2419.	2.2	56
8	Ultrasound-guided retrobulbar nerve block in horses: a cadaveric study. Veterinary Anaesthesia and Analgesia, 2013, 40, 205-211.	0.6	51
9	A stereotaxic breed-averaged, symmetric T2w canine brain atlas including detailed morphological and volumetrical data sets. Neurolmage, 2019, 187, 93-103.	4.2	50
10	Invasion and persistence of Mycoplasma bovis in embryonic calf turbinate cells. Veterinary Research, 2015, 46, 53.	3.0	46
11	Effects of housing, perches, genetics, and 25-hydroxycholecalciferol on keel bone deformities in laying hens. Poultry Science, 2011, 90, 1637-1644.	3.4	41
12	An Unusual Splice Defect in the Mitofusin 2 Gene (MFN2) Is Associated with Degenerative Axonopathy in Tyrolean Grey Cattle. PLoS ONE, 2011, 6, e18931.	2.5	39
13	Comparison of Large Animal Models for Acute Ischemic Stroke: Which Model to Use?. Stroke, 2022, 53, 1411-1422.	2.0	36
14	Uptake of silica nanoparticles in the brain and effects on neuronal differentiation using different in vitro models. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1195-1204.	3.3	31
15	Removal of a Subset of Non-essential Genes Fully Attenuates a Highly Virulent Mycoplasma Strain. Frontiers in Microbiology, 2019, 10, 664.	3.5	31
16	Bovine Epithelial in vitro Infection Models for Mycoplasma bovis. Frontiers in Cellular and Infection Microbiology, 2018, 8, 329.	3.9	30
17	An in vitro toxicity evaluation of gold-, PLLA- and PCL-coated silica nanoparticles in neuronal cells for nanoparticle-assisted laser-tissue soldering. Toxicology in Vitro, 2014, 28, 990-998.	2.4	29
18	Boar sperm membranes antigens. Histochemistry, 1990, 93, 491-495.	1.9	28

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19	Primary ciliary dyskinesia with situs inversus totalis, hydrocephalus internus and cardiac malformations in a dog. Journal of Small Animal Practice, 2001, 42, 345-348.	1.2	28
20	Structural characterization of four different naturally occurring porcine collagen membranes suitable for medical applications. PLoS ONE, 2018, 13, e0205027.	2.5	28
21	The Ovine Cerebral Venous System: Comparative Anatomy, Visualization, and Implications for Translational Research. PLoS ONE, 2014, 9, e92990.	2.5	27
22	Limited Associations between Keel Bone Damage and Bone Properties Measured with Computer Tomography, Three-Point Bending Test, and Analysis of Minerals in Swiss Laying Hens. Frontiers in Veterinary Science, 2017, 4, 128.	2.2	26
23	Sciatic-femoral nerve block with bupivacaine in goats undergoing elective stifle arthrotomy. Veterinary Journal, 2011, 188, 53-57.	1.7	25
24	High-content analysis of factors affecting gold nanoparticle uptake by neuronal and microglial cells in culture. Nanoscale, 2016, 8, 16650-16661.	5.6	25
25	Expression of enterotoxigenic Escherichia coli colonization factors in Vibrio cholerae. Vaccine, 2006, 24, 4354-4368.	3.8	24
26	Reproduction of contagious caprine pleuropneumonia reveals the ability of convalescent sera to reduce hydrogen peroxide production in vitro. Veterinary Research, 2019, 50, 10.	3.0	24
27	Treponema phagedenis (ex Noguchi 1912) Brumpt 1922 sp. nov., nom. rev., isolated from bovine digital dermatitis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2115-2123.	1.7	24
28	Effects of the two production programs †Naturafarm†M and †conventional†M on the prevalence of non-perforating abomasal lesions in Swiss veal calves at slaughter. Research in Veterinary Science, 2010, 88, 352-360.	1.9	23
29	Observations of the Periodontal Ligament and Cementum in Cats with Dental Resorptive Lesions. Journal of Veterinary Dentistry, 2005, 22, 74-85.	0.3	22
30	Effects of a nonâ€selective COX inhibitor and selective COXâ€2 inhibitors on contractility of human and porcine ureters <i>in vitro</i> and <i>in vivo</i> British Journal of Pharmacology, 2008, 154, 1297-1307.	5.4	22
31	The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8+ T cells. Journal of Experimental Medicine, 2018, 215, 1869-1890.	8.5	22
32	Morphological characteristics of boar efferent ductules and epididymal duct. Microscopy Research and Technique, 1994, 29, 411-431.	2.2	21
33	Effects of stimulus with proinflammatory mediators on nitric oxide production and matrix metalloproteinase activity in explants of cranial cruciate ligaments obtained from dogs. American Journal of Veterinary Research, 2002, 63, 1423-1428.	0.6	21
34	Biomechanical evaluation of the stabilizing function of the atlantoaxial ligaments under shear loading: A canine cadaveric study. Veterinary Surgery, 2013, 42, 918-923.	1.0	21
35	Pododermatitis in Captive and Free-Ranging Greater Flamingos (<i>Phoenicopterus roseus</i>). Veterinary Pathology, 2015, 52, 1235-1242.	1.7	19
36	Magnetic resonance imaging and computer tomography of brain lesions in water buffaloes and cattle stunned with handguns or captive bolts. Meat Science, 2016, 113, 35-40.	5.5	19

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37	Ranid Herpesvirus 3 and Proliferative Dermatitis in Free-Ranging Wild Common Frogs (Rana) Tj ETQq1 1 0.784314	⊦ rgBT /Ove	rlgck 10 <mark>Tf</mark>
38	Blood-Tissue Barriers in the Male Reproductive Tract of the Dog: A Morphological Study Using Lanthanum Nitrate as an Electron-Opaque Tracer. Cells Tissues Organs, 2003, 174, 162-169.	2.3	18
39	System immunology-based identification of blood transcriptional modules correlating to antibody responses in sheep. Npj Vaccines, 2018, 3, 41.	6.0	18
40	Immunohistochemical Demonstration of Lumbar Intervertebral Disc Innervation in the Dog. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2005, 34, 123-128.	0.7	17
41	Actin-mediated plasma membrane plasticity of the intracellular parasite <i>Theileria annulata</i> Cellular Microbiology, 2012, 14, 1867-1879.	2.1	17
42	Ciliary Beating Plane and Wave Propagation in the Bovine Oviduct. Cells Tissues Organs, 2013, 198, 457-469.	2.3	16
43	Density and distribution of anionic sites on boar ejaculated and epididymal spermatozoa. Histochemistry and Cell Biology, 2002, 117, 441-445.	1.7	15
44	Mechanism of reduction of virus release and cell-cell fusion in persistent canine distemper virus infection. Acta Neuropathologica, 2003, 106, 303-310.	7.7	15
45	Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows. American Journal of Veterinary Research, 2006, 67, 1992-1997.	0.6	15
46	Teat anatomy affects requirements for udder preparation in Mediterranean buffaloes. Journal of Dairy Research, 2010, 77, 468-473.	1.4	15
47	Distinction of GastricHelicobacterspp. in Humans and Domestic Pets by Scanning Electron Microscopy. Helicobacter, 2000, 5, 232-239.	3.5	14
48	Multi-scale alignment of respiratory cilia and its relation to mucociliary function. Journal of Structural Biology, 2021, 213, 107680.	2.8	14
49	Assessing the Expression of Enterotoxigenic Escherichia coli-specific Surface Antigens in Recombinant Strains by Transmission Electron Microscopy and Immunolabeling. Journal of Histochemistry and Cytochemistry, 2006, 54, 473-477.	2.5	13
50	Expression and function of 5-HT7 receptors in smooth muscle preparations from equine duodenum, ileum, and pelvic flexure. Research in Veterinary Science, 2009, 87, 292-299.	1.9	13
51	Ultrasound-guided block of sciatic and femoral nerves: an anatomical study. Laboratory Animals, 2014, 48, 97-104.	1.0	13
52	Bufonid herpesvirus 1 (BfHV1) associated dermatitis and mortality in free ranging common toads (Bufo) Tj ETQq0	gg rgBT /	Qyerlock 10
53	Transport of biologically active material in laser cutting. Lasers in Surgery and Medicine, 1988, 8, 562-566.	2.1	12
54	Microvasculature of the epididymis in the boar. Cell and Tissue Research, 1990, 259, 495-501.	2.9	12

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55	Improved preservation of rat epididymal sperm for high-resolution low-voltage scanning electron microscopy (HR-LVSEM). Molecular Reproduction and Development, 1993, 34, 175-182.	2.0	12
56	CT scan based determination of optimal bone corridor for atlantoaxial ventral screw fixation in miniature breed dogs. Veterinary Surgery, 2013, 42, 819-824.	1.0	12
57	Validation of a magnetic resonance imaging guided stereotactic access to the ovine brainstem. BMC Veterinary Research, 2014, 10, 216.	1.9	12
58	Morphological alterations in the liver of yellow perch (Perca flavescens) from a biological mercury hotspot. Environmental Science and Pollution Research, 2015, 22, 17330-17342.	5.3	12
59	Clinicopathological Phenotype of Autosomal Recessive Cholesterol Deficiency in Holstein Cattle. Journal of Veterinary Internal Medicine, 2016, 30, 1369-1375.	1.6	12
60	Evidence for the Cytoplasmic Localization of the L-α-Glycerophosphate Oxidase in Members of the "Mycoplasma mycoides Cluster― Frontiers in Microbiology, 2019, 10, 1344.	3 . 5	12
61	Effects of gold and PCL- or PLLA-coated silica nanoparticles on brain endothelial cells and the blood–brain barrier. Beilstein Journal of Nanotechnology, 2019, 10, 941-954.	2.8	12
62	Polarization of Macrophages in Epidural Inflammation Induced by Canine Intervertebral Disc Herniation. Frontiers in Veterinary Science, 2020, 7, 32.	2.2	12
63	Efferent Ductules of the Boar – A Morphological Study. Cells Tissues Organs, 1991, 142, 272-280.	2.3	11
64	Demonstration and cytochemical analysis of anionic sites on ejaculated boar spermatozoa: a scanning electron microscopy study using cationised colloidal gold. Histochemistry and Cell Biology, 2002, 117, 61-67.	1.7	11
65	Energy loss and impact of various stunning devices used for the slaughtering of water buffaloes. Meat Science, 2018, 135, 159-165.	5 . 5	11
66	The Glandular Chambers of the Placenta of the Bitch in the Second Third of Pregnancy (day 30?44): An Ultrastructural, Ultrahistochemical and Lectinhistochemical Investigation. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 1998, 27, 95-103.	0.7	10
67	Histological assessment of testicular residues in lambs and calves after Burdizzo castration. Veterinary Record, 2009, 164, 523-528.	0.3	10
68	Expression and function of 5-hydroxytryptamine 4 receptors in smooth muscle preparations from the duodenum, ileum, and pelvic flexure of horses without gastrointestinal tract disease. American Journal of Veterinary Research, 2010, 71, 1432-1442.	0.6	10
69	Boar sperm membranes antigens. Histochemistry, 1990, 93, 485-490.	1.9	9
70	Binding of indocyanine green in polycaprolactone fibers using blend electrospinning for in vivo laserâ€assisted vascular anastomosis. Lasers in Surgery and Medicine, 2017, 49, 928-939.	2.1	9
71	Effect of Clostridium perfringens \hat{I}^2 -Toxin on Platelets. Toxins, 2017, 9, 336.	3.4	9
72	The Small-Compound Inhibitor K22 Displays Broad Antiviral Activity against Different Members of the Family Flaviviridae and Offers Potential as a Panviral Inhibitor. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	9

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73	Development of an ultrasound-guided technique for pudendal nerve block in cat cadavers. Journal of Feline Medicine and Surgery, 2013, 15, 901-907.	1.6	8
74	Ceratohyoidectomy in standing sedated horses. Veterinary Surgery, 2019, 48, 1391-1398.	1.0	8
75	Ultrastructural evidence of transplacental transport of immunoglobulin G in bitches. Reproduction, 2000, , 315-326.	2.6	8
76	Quantitative analysis of infiltrating immune cells and bovine papillomavirus type 1 E2-positive cells in equine sarcoids. Veterinary Journal, 2016, 216, 45-52.	1.7	7
77	Generation of a molecular clone of an attenuated lentivirus, a first step in understanding cytopathogenicity and virulence. Virology, 2016, 487, 50-58.	2.4	7
78	Assessment of a specifically developed bullet casing gun for the stunning of water buffaloes. Meat Science, 2018, 135, 74-78.	5.5	7
79	Silica nanoparticle-exposure during neuronal differentiation modulates dopaminergic and cholinergic phenotypes in SH-SY5Y cells. Journal of Nanobiotechnology, 2019, 17, 46.	9.1	7
80	Morphometric and functional study of the canine atlantoaxial joint. Research in Veterinary Science, 2020, 128, 76-85.	1.9	7
81	Abnormal keratinocyte differentiation in the nasal planum of Labrador Retrievers with hereditary nasal parakeratosis (HNPK). PLoS ONE, 2020, 15, e0225901.	2.5	7
82	Minimalistic mycoplasmas harbor different functional toxin-antitoxin systems. PLoS Genetics, 2021, 17, e1009365.	3.5	7
83	Ultrastructural validation of an improved culture system for boar efferent duct epithelium. Reproduction, 1996, 106, 251-258.	2.6	6
84	Distribution of lactate dehydrogenase in healthy and degenerative canine stifle joint cartilage. Histochemistry and Cell Biology, 2007, 128, 7-18.	1.7	6
85	Domain analysis of lipoprotein LppQ in Mycoplasma mycoides subsp. mycoides SC. Antonie Van Leeuwenhoek, 2008, 93, 175-183.	1.7	6
86	Assessment by electron-microscopy of recombinant Vibrio cholerae and Salmonella vaccine strains expressing enterotoxigenic Escherichia coli-specific surface antigens. Clinical Microbiology and Infection, 2008, 14, 282-286.	6.0	6
87	Intestinal Atresia and Ectopia in a Bovine Fetus. Veterinary Pathology, 2011, 48, 830-833.	1.7	6
88	Equine pastern vasculitis: A clinical and histopathological study. Veterinary Journal, 2013, 198, 524-530.	1.7	6
89	Anatomical Atlas of the Quail's Ear (<i>Coturnix coturnix</i>). Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2016, 45, 399-404.	0.7	6
90	Ultrastructural evidence of transplacental transport of immunoglobulin G in bitches. Reproduction, 2000, 118, 315-26.	0.2	6

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91	Doppler sonography of the medial arterial blood supply to the coxofemoral joints of 36Âmedium to large breed dogs and its relationship with radiographic signs of joint disease. Veterinary Record, 2005, 156, 305-309.	0.3	5
92	Ultrasound-guided proximal paravertebral anaesthesia in cattle. Veterinary Anaesthesia and Analgesia, 2014, 41, 534-542.	0.6	5
93	Sensory innervation of the dorsal longitudinal ligament and the meninges in the lumbar spine of the dog. Histochemistry and Cell Biology, 2014, 142, 433-447.	1.7	5
94	Time-Dependent Internalization of Polymer-Coated Silica Nanoparticles in Brain Endothelial Cells and Morphological and Functional Effects on the Blood-Brain Barrier. International Journal of Molecular Sciences, 2021, 22, 1657.	4.1	5
95	Increased teat wall thickness in response to machine milking. Journal of Dairy Science, 2021, 104, 9082-9092.	3.4	5
96	Immunohistochemical Localization of RANK, RANKL and OPG in Healthy and Arthritic Canine Elbow Joints. Veterinary Surgery, 2009, 38, 780-786.	1.0	4
97	InÂvitro rescue of FGA deletion by lentiviral transduction of an afibrinogenemic patient's hepatocytes. Journal of Thrombosis and Haemostasis, 2014, 12, 1874-1879.	3.8	4
98	Polymelia in a chimeric Simmental calf: nociceptive withdrawal reflex, anaesthetic and analgesic management, anatomic and genetic analysis. BMC Veterinary Research, 2019, 15, 102.	1.9	4
99	Isolation of Human Small Extracellular Vesicles and Tracking of Their Uptake by Retinal Pigment Epithelial Cells In Vitro. International Journal of Molecular Sciences, 2020, 21, 3799.	4.1	4
100	Herpesvirus-Associated Proliferative Skin Disease in Frogs and Toads: Proposed Pathogenesis. Veterinary Pathology, 2021, 58, 713-729.	1.7	4
101	Lowâ€Energy Heâ€Neâ€Laser Irradiation of the Bovine Mammary Gland. Transboundary and Emerging Diseases, 1989, 36, 596-602.	0.6	3
102	Immunohistochemical Localization of Osteoclastogenic Cell Mediators in Feline Tooth Resorption and Healthy Teeth. Journal of Veterinary Dentistry, 2010, 27, 75-83.	0.3	3
103	Comparative anatomy and biomechanical properties of atlanto-axial ligaments in equine, bovine, and canine cadaveric specimens. Veterinary and Comparative Orthopaedics and Traumatology, 2017, 30, 219-222.	0.5	3
104	Polymer-coated nanoparticles and their effects on mitochondrial function in brain endothelial cells. Toxicology and Applied Pharmacology, 2019, 385, 114800.	2.8	3
105	Establishment of caprine airway epithelial cells grown in an air-liquid interface system to study caprine respiratory viruses and bacteria. Veterinary Microbiology, 2021, 257, 109067.	1.9	3
106	Effects of different types of solid feeds on health status and performance of Swiss veal calves. I. Basic feeding with milk by-products. Schweizer Archiv Fur Tierheilkunde, 2013, 155, 269-281.	0.8	3
107	An allergen-fused dendritic cell-binding peptide enhances in vitro proliferation of equine T-cells and cytokine production. Veterinary Immunology and Immunopathology, 2022, 243, 110351.	1.2	3
108	Novel immortalization approach defers senescence of cultured canine adipose-derived mesenchymal stromal cells. GeroScience, 2022, 44, 1301-1323.	4.6	3

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109	Morphological and immunocytochemical analysis of Escherichia coli-specific surface antigens in wildtype strains and in recombinant Vibrio cholerae. Antonie Van Leeuwenhoek, 2008, 93, 185-192.	1.7	2
110	The junctions between efferent ductules and epididymal duct in the boar. Andrologia, 2009, 29, 283-285.	2.1	2
111	Treatment and ophthalmic sequelae in a horse with facial cellulitis and orbital abscess. Equine Veterinary Education, 2017, 29, 594-599.	0.6	2
112	Assessment of potential neuropathic changes in cattle after cautery disbudding. Research in Veterinary Science, 2019, 126, 9-16.	1.9	2
113	The embryonic development of the bovine stomach revisited. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2020, 49, 270-280.	0.7	2
114	Effects of different types of solid feeds on health status and performance of Swiss veal calves. II. Basic feeding with whole milk. Schweizer Archiv Fur Tierheilkunde, 2013, 155, 283-292.	0.8	2
115	Ex vivo study of vagal branches at risk for iatrogenic injury during laryngoplasty in horses. Veterinary Surgery, 2021, 50, 425-434.	1.0	1
116	Assessment of Hydroxyethyl Starch (6% HES 130/0.4) Kidney Storage in Critically Ill Dogs: A Post-mortem Prospective Study. Frontiers in Veterinary Science, 2021, 8, 802507.	2.2	1
117	Exposure of rainbow trout (Oncorhynchus mykiss) to nonylphenol is associated with an increased chloride cell fractional surface area. Schweizer Archiv Fur Tierheilkunde, 2000, 142, 263-7.	0.8	1
118	Evaluation of Paraspinal Musculature in Small Breed Dogs with and without Atlantoaxial Instability Using Computed Tomography. Veterinary and Comparative Orthopaedics and Traumatology, 0, , .	0.5	1
119	Localization of glucose-6-phosphatase activity and carbohydrates in boar caput epididymal principal cells. Reproduction, 1998, 114, 103-110.	2.6	0
120	Expression and morphology of enterotoxigenic <i>Escherichia coli</i> surface antigen CS31A in <i>E. coli</i> K12 and <i>Vibrio cholerae</i> Canadian Journal of Microbiology, 2012, 58, 728-737.	1.7	0
121	THE LYSOSOMAL STORAGE DISEASE GM2 GANGLIOSIDOSIS IN CAPTIVE BANDED MONGOOSE SIBLINGS (MUNGOS MUNGO). Journal of Zoo and Wildlife Medicine, 2018, 49, 335-344.	0.6	0
122	A novel technique for laser-assisted revascularization: an in vitro pilot study. Lasers in Medical Science, 2021, 36, 855-862.	2.1	0
123	Histologie-Kurs VeterinĤmediziner. Schweizer Archiv Fur Tierheilkunde, 2010, 152, 49-49.	0.8	0