

Sara M Thomasy

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,248
citations

293460

24
h-index

340414

39
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92
all docs

92
docs citations

92
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	Corneal thickness and anterior chamber depth of the normal adult horse as measured by ultrasound biomicroscopy. <i>Veterinary Ophthalmology</i> , 2022, 25, 17-24.	0.6	0
2	Retinal organoids derived from rhesus macaque iPSCs undergo accelerated differentiation compared to human stem cells. <i>Cell Proliferation</i> , 2022, 55, e13198.	2.4	5
3	Multimodal ocular imaging of known and novel corneal stromal disorders in dogs. <i>BMC Veterinary Research</i> , 2022, 18, 117.	0.7	1
4	Clinical presentation, treatment, and genetic and histopathological analysis of juvenile cataracts and secondary glaucoma in a rhesus macaque (<i>Macaca mulatta</i>). <i>Journal of Medical Primatology</i> , 2022, 51, 119-123.	0.3	1
5	Cytotoxicity of 2D engineered nanomaterials in pulmonary and corneal epithelium. <i>NanoImpact</i> , 2022, 26, 100404.	2.4	3
6	Metallic Engineered Nanomaterials and Ocular Toxicity: A Current Perspective. <i>Pharmaceutics</i> , 2022, 14, 981.	2.0	9
7	Ultrasound biomicroscopy of the equine iridocorneal angle. <i>Equine Veterinary Journal</i> , 2022, 54, 1153-1158.	0.9	0
8	Ophthalmology of Primatomorpha: Lemurs, Tarsiers, Monkeys, Apes, and Relatives. , 2022, , 483-543.		1
9	Drug content on receipt and over time for compounded formulations of famciclovir. <i>Journal of Feline Medicine and Surgery</i> , 2021, 23, 519-525.	0.6	4
10	Differential effects of Hsp90 inhibition on corneal cells in vitro and in vivo. <i>Experimental Eye Research</i> , 2021, 202, 108362.	1.2	4
11	Advanced Retinal Imaging and Ocular Parameters of the Rhesus Macaque Eye. <i>Translational Vision Science and Technology</i> , 2021, 10, 7.	1.1	13
12	Host Immune Responses after Suprachoroidal Delivery of AAV8 in Nonhuman Primate Eyes. <i>Human Gene Therapy</i> , 2021, 32, 682-693.	1.4	27
13	Animal models of corneal endothelial dysfunction to facilitate development of novel therapies. <i>Annals of Translational Medicine</i> , 2021, 9, 1271-1271.	0.7	16
14	Retinal degeneration in mice and humans with neuronal ceroid lipofuscinosis type 8. <i>Annals of Translational Medicine</i> , 2021, 9, 1274-1274.	0.7	2
15	Effect of Withdrawing Chronic Topical Immune Modulating Treatment on Schirmer Tear Test Values in Dogs with Dry Eye Disease: Relevance to Dry Eye Studies. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2021, 37, 394-398.	0.6	1
16	Transcorneal delivery of topically applied silver nanoparticles does not delay epithelial wound healing. <i>NanoImpact</i> , 2021, 24, 100352.	2.4	7
17	Age-related changes in the rhesus macaque eye. <i>Experimental Eye Research</i> , 2021, 212, 108754.	1.2	9
18	Metal Oxide Engineered Nanomaterials Modulate Rabbit Corneal Fibroblast to Myofibroblast Transformation. <i>Translational Vision Science and Technology</i> , 2021, 10, 23.	1.1	3

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19	A Retrospective Study of Corneal Endothelial Dystrophy in Dogs (1991–2014). <i>Cornea</i> , 2021, 40, 578-583.	0.9	7
20	The effect of inbreeding, body size and morphology on health in dog breeds. <i>Canine Medicine and Genetics</i> , 2021, 8, 12.	1.4	26
21	Canine endotheliitis: Clinical characteristics, advanced imaging features, and treatment. <i>Veterinary Ophthalmology</i> , 2021, , .	0.6	2
22	Comparison of automated vs manual analysis of corneal endothelial cell density and morphology in normal and corneal endothelial dystrophy-affected dogs. <i>Veterinary Ophthalmology</i> , 2020, 23, 44-51.	0.6	3
23	Cytoglobin deficiency potentiates Crb1-mediated retinal degeneration in rd8 mice. <i>Developmental Biology</i> , 2020, 458, 141-152.	0.9	7
24	Engineered metal oxide nanomaterials inhibit corneal epithelial wound healing in vitro and in vivo. <i>NanoImpact</i> , 2020, 17, 100198.	2.4	14
25	Quantitative Fundus Autofluorescence in Rhesus Macaques in Aging and Age-Related Drusen. , 2020, 61, 16.		7
26	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. <i>Science</i> , 2020, 370, .	6.0	105
27	Safety and Biocompatibility of Aflibercept-Loaded Microsphere Thermo-Responsive Hydrogel Drug Delivery System in a Nonhuman Primate Model. <i>Translational Vision Science and Technology</i> , 2020, 9, 30.	1.1	22
28	Intrastromal Injection of Hyaluronidase Alters the Structural and Biomechanical Properties of the Corneal Stroma. <i>Translational Vision Science and Technology</i> , 2020, 9, 21.	1.1	4
29	Long-term Evolution and Remodeling of Soft Drusen in Rhesus Macaques. , 2020, 61, 32.		27
30	Suprachoroidal and Subretinal Injections of AAV Using Transscleral Microneedles for Retinal Gene Delivery in Nonhuman Primates. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 16, 179-191.	1.8	73
31	Stromal Collagen Arrangement Correlates with Stiffness of the Canine Cornea. <i>Bioengineering</i> , 2020, 7, 4.	1.6	9
32	Whole genome sequencing for mutation discovery in a single case of lysosomal storage disease (MPS) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.8	7
33	Altered Corneal Innervation and Ocular Surface Homeostasis in FHV-1-Exposed Cats: A Preliminary Study Suggesting Metaherpetic Disease. <i>Frontiers in Veterinary Science</i> , 2020, 7, 580414.	0.9	8
34	Evolution of ocular defects in infant macaques following in utero Zika virus infection. <i>JCI Insight</i> , 2020, 5, .	2.3	10
35	Retrobulbar vs peribulbar regional anesthesia techniques using bupivacaine in dogs. <i>Veterinary Ophthalmology</i> , 2019, 22, 183-191.	0.6	16
36	Medical management of deep ulcerative keratitis in cats: 13 cases. <i>Journal of Feline Medicine and Surgery</i> , 2019, 21, 387-393.	0.6	2

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37	Effects of 5% sodium chloride ophthalmic ointment on thickness and morphology of the normal canine cornea. <i>Veterinary Ophthalmology</i> , 2019, 22, 229-237.	0.6	7
38	Prophylactic and therapeutic effects of twice-daily famciclovir administration on infectious upper respiratory disease in shelter-housed cats. <i>Journal of Feline Medicine and Surgery</i> , 2019, 21, 544-552.	0.6	12
39	Genome-wide screening of mouse knockouts reveals novel genes required for normal integumentary and oculocutaneous structure and function. <i>Scientific Reports</i> , 2019, 9, 11211.	1.6	6
40	Equine eosinophilic keratoconjunctivitis in California: retrospective study of 47 eyes from 29 cases (1993-2017). <i>Veterinary Ophthalmology</i> , 2019, 22, 510-519.	0.6	6
41	Early postoperative results of Descemet's stripping endothelial keratoplasty in six dogs with corneal endothelial dystrophy. <i>Veterinary Ophthalmology</i> , 2019, 22, 879-890.	0.6	12
42	Evaluation of the major histocompatibility complex (MHC) class II as a candidate for sudden acquired retinal degeneration syndrome (SARDS) in Dachshunds. <i>Veterinary Ophthalmology</i> , 2019, 22, 751-759.	0.6	9
43	Topical Rho-Associated Kinase Inhibitor, Y27632, Accelerates Corneal Endothelial Regeneration in a Canine Cryoinjury Model. <i>Cornea</i> , 2019, 38, 352-359.	0.9	22
44	Comprehensive Clinical, Diagnostic, and Advanced Imaging Characterization of the Ocular Surface in Spontaneous Aqueous Deficient Dry Eye Disease in Dogs. <i>Cornea</i> , 2019, 38, 1568-1575.	0.9	18
45	YAP and TAZ are distinct effectors of corneal myofibroblast transformation. <i>Experimental Eye Research</i> , 2019, 180, 102-109.	1.2	31
46	Biomechanical changes to Descemet's membrane precede endothelial cell loss in an early-onset murine model of Fuchs endothelial corneal dystrophy. <i>Experimental Eye Research</i> , 2019, 180, 18-22.	1.2	19
47	A nonhuman primate model of inherited retinal disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 863-874.	3.9	78
48	Ocular phenotypic consequences of a single copy deletion of the gene () in mice. <i>Molecular Vision</i> , 2019, 25, 129-142.	1.1	10
49	Comparison of chorioretinal layers in rhesus macaques using spectral-domain optical coherence tomography and high-resolution histological sections. <i>Experimental Eye Research</i> , 2018, 168, 69-76.	1.2	31
50	Latrunculin B and substratum stiffness regulate corneal fibroblast to myofibroblast transformation. <i>Experimental Eye Research</i> , 2018, 170, 101-107.	1.2	19
51	Whorl pattern keratopathies in veterinary and human patients. <i>Veterinary Ophthalmology</i> , 2018, 21, 661-667.	0.6	7
52	Genetic analysis of optic nerve head coloboma in the Nova Scotia Duck Tolling Retriever identifies discordance with the <i>NHEJ1</i> intronic deletion (collie eye anomaly mutation). <i>Veterinary Ophthalmology</i> , 2018, 21, 144-150.	0.6	7
53	The role of hepatocyte growth factor in corneal wound healing. <i>Experimental Eye Research</i> , 2018, 166, 49-55.	1.2	65
54	Cofactors associated with Sudden Acquired Retinal Degeneration Syndrome: 151 dogs within a reference population. <i>Veterinary Ophthalmology</i> , 2018, 21, 264-272.	0.6	11

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55	Phenotypic Characterization of Corneal Endothelial Dystrophy in German Shorthaired and Wirehaired Pointers Using In Vivo Advanced Corneal Imaging and Histopathology. <i>Cornea</i> , 2018, 37, 88-94.	0.9	18
56	A Population Study of Common Ocular Abnormalities in C57BL/6N Mice. , 2018, 59, 2252.		31
57	Identification of genes required for eye development by high-throughput screening of mouse knockouts. <i>Communications Biology</i> , 2018, 1, 236.	2.0	37
58	Whole genome variant association across 100 dogs identifies a frame shift mutation in DISHEVELLED 2 which contributes to Robinow-like syndrome in Bulldogs and related screw tail dog breeds. <i>PLoS Genetics</i> , 2018, 14, e1007850.	1.5	61
59	Modulation of human corneal stromal cell differentiation by hepatocyte growth factor and substratum compliance. <i>Experimental Eye Research</i> , 2018, 176, 235-242.	1.2	22
60	Effects of aging and environmental tobacco smoke exposure on ocular and plasma circulatory microRNAs in the Rhesus macaque. <i>Molecular Vision</i> , 2018, 24, 633-646.	1.1	9
61	Comparison of corneal degeneration and calcific band keratopathy from 2000 to 2013 in 69 horses. <i>Veterinary Ophthalmology</i> , 2017, 20, 16-26.	0.6	9
62	Tissue and cellular biomechanics during corneal wound injury and repair. <i>Acta Biomaterialia</i> , 2017, 58, 291-301.	4.1	71
63	In Vivo Multimodal Imaging of Drusenoid Lesions in Rhesus Macaques. <i>Scientific Reports</i> , 2017, 7, 15013.	1.6	38
64	The SPOTS System: An Ocular Scoring System Optimized for Use in Modern Preclinical Drug Development and Toxicology. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017, 33, 718-734.	0.6	62
65	In Vivo Imaging of Corneal Endothelial Dystrophy in Boston Terriers: A Spontaneous, Canine Model for Fuchs' Endothelial Corneal Dystrophy. , 2016, 57, OCT495.		31
66	Effect of Uveal Melanocytes on Choroidal Morphology in Rhesus Macaques and Humans on Enhanced-Depth Imaging Optical Coherence Tomography. , 2016, 57, 5764.		40
67	In vivo ocular imaging of the cornea of the normal female laboratory beagle using confocal microscopy. <i>Veterinary Ophthalmology</i> , 2016, 19, 63-67.	0.6	12
68	In vivo evaluation of the cornea and conjunctiva of the normal laboratory beagle using time-domain and Fourier domain optical coherence tomography and ultrasound pachymetry. <i>Veterinary Ophthalmology</i> , 2016, 19, 50-56.	0.6	23
69	Oral administration of famciclovir for treatment of spontaneous ocular, respiratory, or dermatologic disease attributed to feline herpesvirus type 1: 59 cases (2006-2013). <i>Journal of the American Veterinary Medical Association</i> , 2016, 249, 526-538.	0.2	38
70	Biomechanical relationships between the corneal endothelium and Descemet's membrane. <i>Experimental Eye Research</i> , 2016, 152, 57-70.	1.2	38
71	Superficial Keratectomy and Conjunctival Advancement Hood Flap (SKCAHF) for the Management of Bullous Keratopathy. <i>Cornea</i> , 2016, 35, 1295-1304.	0.9	21
72	Species Differences in the Geometry of the Anterior Segment Differentially Affect Anterior Chamber Cell Scoring Systems in Laboratory Animals. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 28-37.	0.6	24

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73	A review of antiviral drugs and other compounds with activity against feline herpesvirus type 1. <i>Veterinary Ophthalmology</i> , 2016, 19, 119-130.	0.6	48
74	Robust and artifact-free mounting of tissue samples for atomic force microscopy. <i>BioTechniques</i> , 2014, 56, 40-42.	0.8	27
75	Elastic modulus and collagen organization of the rabbit cornea: Epithelium to endothelium. <i>Acta Biomaterialia</i> , 2014, 10, 785-791.	4.1	96
76	Restrictive orbital myofibroblastic sarcoma in a cat – Cross-sectional imaging (MRI) and Tj ETQq000 rgBT/Overlock	0.6	17
77	Substratum stiffness and latrunculin B modulate the gene expression of the mechanotransducers YAP and TAZ in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2013, 113, 66-73.	1.2	67
78	Role of Substratum Stiffness in Modulating Genes Associated with Extracellular Matrix and Mechanotransducers YAP and TAZ. , 2013, 54, 378.		92
79	Substratum Compliance Modulates Corneal Fibroblast to Myofibroblast Transformation. , 2013, 54, 5901.		46
80	Compliance profile of the human cornea as measured by atomic force microscopy. <i>Micron</i> , 2012, 43, 1293-1298.	1.1	123
81	Pharmacokinetics of penciclovir in healthy cats following oral administration of famciclovir or intravenous infusion of penciclovir. <i>American Journal of Veterinary Research</i> , 2012, 73, 1092-1099.	0.3	18
82	Substratum Stiffness and Latrunculin B Regulate Matrix Gene and Protein Expression in Human Trabecular Meshwork Cells. , 2012, 53, 952.		44
83	Pharmacokinetics of famciclovir and penciclovir in tears following oral administration of famciclovir to cats: a pilot study. <i>Veterinary Ophthalmology</i> , 2012, 15, 299-306.	0.6	24
84	Substratum Compliance Regulates Human Trabecular Meshwork Cell Behaviors and Response to Latrunculin B. , 2011, 52, 9298.		29
85	Evaluation of orally administered famciclovir in cats experimentally infected with feline herpesvirus type-1. <i>American Journal of Veterinary Research</i> , 2011, 72, 85-95.	0.3	76
86	Assessment of viremia associated with experimental primary feline herpesvirus infection or presumed herpetic recrudescence in cats. <i>American Journal of Veterinary Research</i> , 2009, 70, 99-104.	0.3	11
87	Comparison of Liquid Chromatography-Mass Spectrometry and Radioimmunoassay for Measurement of Fentanyl and Determination of Pharmacokinetics in Equine Plasma. <i>Journal of Analytical Toxicology</i> , 2008, 32, 754-759.	1.7	13
88	Pharmacokinetics and safety of penciclovir following oral administration of famciclovir to cats. <i>American Journal of Veterinary Research</i> , 2007, 68, 1252-1258.	0.3	32
89	Comparison of opioid receptor binding in horse, guinea pig, and rat cerebral cortex and cerebellum. <i>Veterinary Anaesthesia and Analgesia</i> , 2007, 34, 351-358.	0.3	28
90	Pharmacokinetics of lidocaine and its active metabolite, monoethylglycinexylidide, after intravenous administration of lidocaine to awake and isoflurane-anesthetized cats. <i>American Journal of Veterinary Research</i> , 2005, 66, 1162-1166.	0.3	44

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91	Inhalation of Silver Silicate Nanoparticles Leads to Transient and Differential Microglial Activation in the Rodent Olfactory Bulb. Toxicologic Pathology, 0, , 019262332211076.	0.9	2