

Kenneth W Simpson

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,053
citations

218662
26
h-index

197805
49
g-index

50
all docs

50
docs citations

50
times ranked

4377
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytologic, histopathologic, and clinical features of granulomatous colitis in a French Bulldog. <i>Veterinary Clinical Pathology</i> , 2022, 50, 76-82.	0.7	4
2	Mucosal metabolites fuel the growth and virulence of <i>E. coli</i> linked to Crohn's disease. <i>JCI Insight</i> , 2022, 7, .	5.0	17
3	Diffusion-Convection Hybrid Microfluidic Platform for Rapid Antibiotic Susceptibility Testing. <i>Analytical Chemistry</i> , 2021, 93, 5789-5796.	6.5	13
4	Biological small-molecule assays using gradient-based microfluidics. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113038.	10.1	9
5	Gradient-Based Microfluidic Platform for One Single Rapid Antimicrobial Susceptibility Testing. <i>ACS Sensors</i> , 2021, 6, 1560-1571.	7.8	14
6	Antimicrobial Susceptibility Testing in a Rapid Single Test via an Egg-like Multivolume Microchamber-Based Microfluidic Platform. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19581-19592.	8.0	7
7	Adherent-invasive <i>E. coli</i> metabolism of propanediol in Crohn's disease regulates phagocytes to drive intestinal inflammation. <i>Cell Host and Microbe</i> , 2021, 29, 607-619.e8.	11.0	60
8	Long-read sequencing to interrogate strain-level variation among adherent-invasive <i>Escherichia coli</i> isolated from human intestinal tissue. <i>PLoS ONE</i> , 2021, 16, e0259141.	2.5	7
9	Dietary L-serine confers a competitive fitness advantage to Enterobacteriaceae in the inflamed gut. <i>Nature Microbiology</i> , 2020, 5, 116-125.	13.3	93
10	Short Chain Fatty Acids Modulate the Growth and Virulence of Pathosymbiont <i>Escherichia coli</i> and Host Response. <i>Antibiotics</i> , 2020, 9, 462.	3.7	45
11	Molecular and Phenotypic Characterization of <i>Escherichia coli</i> Associated with Granulomatous Colitis of Boxer Dogs. <i>Antibiotics</i> , 2020, 9, 540.	3.7	16
12	Acute Ulcerative Enterocolitis With Severe Protein Loss Due to Mucosal Invasion With <i>Enterococcus</i> spp. in a Dog With Exocrine Pancreatic Insufficiency: A Case Report. <i>Frontiers in Veterinary Science</i> , 2020, 7, 577642.	2.2	2
13	Defined microbiota transplant restores Th17/ROR γ t ⁺ regulatory T cell balance in mice colonized with inflammatory bowel disease microbiotas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21536-21545.	7.1	58
14	Imputation of canine genotype array data using 365 whole-genome sequences improves power of genome-wide association studies. <i>PLoS Genetics</i> , 2019, 15, e1008003.	3.5	32
15	Neuroborreliosis in a horse with common variable immunodeficiency. <i>Journal of Veterinary Diagnostic Investigation</i> , 2019, 31, 241-245.	1.1	13
16	Yersiniabactin-Producing Adherent/Invasive <i>Escherichia coli</i> Promotes Inflammation-Associated Fibrosis in Gnotobiotic IL10 ^{-/-} Mice. <i>Infection and Immunity</i> , 2019, 87, .	2.2	38
17	Murine Adherent and Invasive <i>E. coli</i> Induces Chronic Inflammation and Immune Responses in the Small and Large Intestines of Monoassociated IL-10 ^{-/-} Mice Independent of Long Polar Fimbriae Adhesin A. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 875-885.	1.9	27
18	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. <i>Mucosal Immunology</i> , 2019, 12, 457-467.	6.0	44

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19	Rifaximin decreases virulence of Crohn's disease-associated <i>Escherichia coli</i> and epithelial inflammatory responses. <i>Journal of Antibiotics</i> , 2018, 71, 485-494.	2.0	15
20	Nanoliter-Sized Microchamber/Microarray Microfluidic Platform for Antibiotic Susceptibility Testing. <i>Analytical Chemistry</i> , 2018, 90, 14137-14144.	6.5	51
21	Microbiome within a Membrane: A Microfluidic-Based Model for Spatially Constrained Culture of Intestinal Microbiota (Adv. Funct. Mater. 48(2018)). <i>Advanced Functional Materials</i> , 2018, 28, 1870339.	14.9	0
22	A Microfluidic-Based Model for Spatially Constrained Culture of Intestinal Microbiota. <i>Advanced Functional Materials</i> , 2018, 28, 1805568.	14.9	15
23	Presumptive non-cirrhotic bleeding esophageal varices in a dog. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1703-1707.	1.6	3
24	Genome-wide association studies of inflammatory bowel disease in German shepherd dogs. <i>PLoS ONE</i> , 2018, 13, e0200685.	2.5	25
25	Detection of glyphosate residues in companion animal feeds. <i>Environmental Pollution</i> , 2018, 243, 1113-1118.	7.5	42
26	Canine Hepatitis Associated with Intrahepatic Bacteria in Three Dogs. <i>Journal of the American Animal Hospital Association</i> , 2018, 54, 65-70.	1.1	6
27	Critical Role for the Microbiota in CX3CR1+ Intestinal Mononuclear Phagocyte Regulation of Intestinal T _H Cell Responses. <i>Immunity</i> , 2018, 49, 151-163.e5.	14.3	148
28	5-Aminosalicylic acid downregulates the growth and virulence of <i>Escherichia coli</i> associated with IBD and colorectal cancer, and upregulates host anti-inflammatory activity. <i>Journal of Antibiotics</i> , 2018, 71, 950-961.	2.0	23
29	IgA-coated <i>E. coli</i> enriched in Crohn's disease spondyloarthritis promote T _H 17-dependent inflammation. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	246
30	Solar-thermal complex sample processing for nucleic acid based diagnostics in limited resource settings. <i>Biomedical Optics Express</i> , 2016, 7, 1974.	2.9	8
31	Complex disease and phenotype mapping in the domestic dog. <i>Nature Communications</i> , 2016, 7, 10460.	12.8	220
32	Epithelial Sel1L is required for the maintenance of intestinal homeostasis. <i>Molecular Biology of the Cell</i> , 2016, 27, 483-490.	2.1	36
33	Successful treatment of vaginal malakoplakia in a young cat. <i>Journal of Feline Medicine and Surgery Open Reports</i> , 2016, 2, 205511691667487.	0.2	3
34	Genome Based Phylogeny and Comparative Genomic Analysis of Intra-Mammary Pathogenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0119799.	2.5	32
35	IRE1 α is an endogenous substrate of endoplasmic-reticulum-associated degradation. <i>Nature Cell Biology</i> , 2015, 17, 1546-1555.	10.3	173
36	Proteomic analysis reveals protein expression differences in <i>Escherichia coli</i> strains associated with persistent versus transient mastitis. <i>Journal of Proteomics</i> , 2014, 108, 373-381.	2.4	30

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37	Pitfalls and Progress in the Diagnosis and Management of Canine Inflammatory Bowel Disease. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2011, 41, 381-398.	1.5	122
38	Culture independent analysis of ileal mucosa reveals a selective increase in invasive <i>Escherichia coli</i> of novel phylogeny relative to depletion of Clostridiales in Crohn's disease involving the ileum. <i>ISME Journal</i> , 2007, 1, 403-418.	9.8	565
39	Adherent and Invasive <i>Escherichia coli</i> Is Associated with Granulomatous Colitis in Boxer Dogs. <i>Infection and Immunity</i> , 2006, 74, 4778-4792.	2.2	235
40	Quantitative Analysis of Inflammatory and Immune Responses in Dogs with Gastritis and Their Relationship to <i>Helicobacter</i> spp. <i>Infection. Journal of Veterinary Internal Medicine</i> , 2005, 19, 4-14.	1.6	56
41	Somatostatin Receptor Imaging In Vivo by Planar Scintigraphy Facilitates the Diagnosis of Canine Insulinomas. <i>Journal of Veterinary Internal Medicine</i> , 2005, 19, 168-176.	1.6	28
42	Expression of leptospiral immunoglobulin-like protein by <i>Leptospira interrogans</i> and evaluation of its diagnostic potential in a kinetic ELISA. <i>Journal of Medical Microbiology</i> , 2004, 53, 975-984.	1.8	74
43	Subnormal Concentrations of Serum Cobalamin (Vitamin B ₁₂) in Cats with Gastrointestinal Disease. <i>Journal of Veterinary Internal Medicine</i> , 2001, 15, 26-32.	1.6	136
44	<i>Helicobacter pylori</i> Infection in the Cat: Evaluation of Gastric Colonization, Inflammation and Function. <i>Helicobacter</i> , 2001, 6, 1-14.	3.5	20
45	Histological and Immunohistochemical Detection of Different <i>Helicobacter</i> Species in the Gastric Mucosa of Cats. <i>Journal of Veterinary Diagnostic Investigation</i> , 2001, 13, 3-12.	1.1	38
46	<i>Helicobacter felis</i> Infection Is Associated with Lymphoid Follicular Hyperplasia and Mild Gastritis but Normal Gastric Secretory Function in Cats. <i>Infection and Immunity</i> , 2000, 68, 779-790.	2.2	39
47	<i>Helicobacter</i> Infection in Dogs and Cats: Facts and Fiction. <i>Journal of Veterinary Internal Medicine</i> , 2000, 14, 125-133.	1.6	83
48	Glomerular Filtration Rate and Renal Volume in Dogs with Congenital Portosystemic Vascular Anomalies before and after Surgical Ligation. <i>Journal of Veterinary Internal Medicine</i> , 1999, 13, 465-471.	1.6	24
49	Gastric Function in Dogs with Naturally Acquired Gastric <i>Helicobacter</i> spp. <i>Infection. Journal of Veterinary Internal Medicine</i> , 1999, 13, 507-515.	1.6	38
50	Right Ventricular Cardiomyopathy in a Dog. <i>Journal of Veterinary Internal Medicine</i> , 1994, 8, 306-309.	1.6	20