

Merle E Olson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8930778/publications.pdf>

Version: 2024-02-01

71
papers

4,576
citations

117571

34
h-index

98753

67
g-index

72
all docs

72
docs citations

72
times ranked

5318
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm bacteria: formation and comparative susceptibility to antibiotics. <i>Canadian Journal of Veterinary Research</i> , 2002, 66, 86-92.	1.1	445
2	Early healing events in a porcine model of contaminated wounds: effects of nanocrystalline silver on matrix metalloproteinases, cell apoptosis, and healing. <i>Wound Repair and Regeneration</i> , 2002, 10, 141-151.	1.5	347
3	Microtiter susceptibility testing of microbes growing on peg lids: a miniaturized biofilm model for high-throughput screening. <i>Nature Protocols</i> , 2010, 5, 1236-1254.	5.5	262
4	Update on Cryptosporidium and Giardia infections in cattle. <i>Trends in Parasitology</i> , 2004, 20, 185-191.	1.5	220
5	Can filamentous fungi form biofilms?. <i>Trends in Microbiology</i> , 2009, 17, 475-480.	3.5	212
6	Giardia and Cryptosporidium in mammalian wildlife – current status and future needs. <i>Trends in Parasitology</i> , 2005, 21, 370-376.	1.5	206
7	Silver-Coated Endotracheal Tubes Associated With Reduced Bacterial Burden in the Lungs of Mechanically Ventilated Dogs. <i>Chest</i> , 2002, 121, 863-870.	0.4	173
8	Giardia Cyst and Cryptosporidium Oocyst Survival in Water, Soil, and Cattle Feces. <i>Journal of Environmental Quality</i> , 1999, 28, 1991-1996.	1.0	166
9	Copper and Quaternary Ammonium Cations Exert Synergistic Bactericidal and Antibiofilm Activity against <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2870-2881.	1.4	154
10	[25] The MBEC assay system: Multiple equivalent biofilms for antibiotic and biocide susceptibility testing. <i>Methods in Enzymology</i> , 2001, 337, 377-385.	0.4	130
11	Prevalence and infection pattern of naturally acquired giardiasis and cryptosporidiosis in range beef calves and their dams. <i>Veterinary Parasitology</i> , 2003, 114, 113-122.	0.7	111
12	Pathophysiology of small intestinal malabsorption in gerbils infected with <i>Giardia lamblia</i> . <i>Gastroenterology</i> , 1992, 103, 506-513.	0.6	109
13	Comparison of in vitro disc diffusion and time kill-kinetic assays for the evaluation of antimicrobial wound dressing efficacy. <i>Wound Repair and Regeneration</i> , 2005, 13, 412-421.	1.5	104
14	Molecular and Cell Biology of Skin Wound Healing in a Pig Model. <i>Connective Tissue Research</i> , 2000, 41, 195-211.	1.1	99
15	Cytotoxic Necrotizing Factor Type 1-Positive <i>Escherichia coli</i> Causes Increased Inflammation and Tissue Damage to the Prostate in a Rat Prostatitis Model. <i>Infection and Immunity</i> , 2001, 69, 6515-6519.	1.0	95
16	Molecular, histologic, and gross phenotype of skin wound healing in red Duroc pigs reveals an abnormal healing phenotype of hypercontracted, hyperpigmented scarring. <i>Wound Repair and Regeneration</i> , 2004, 12, 305-319.	1.5	88
17	Biofilm Formation by Group A Streptococci: Is There a Relationship with Treatment Failure?. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4043-4048.	1.8	85
18	Biofilm Formation and Biocide Susceptibility Testing of <i>Mycobacterium fortuitum</i> and <i>Mycobacterium marinum</i> . <i>Current Microbiology</i> , 2003, 46, 28-32.	1.0	84

#	ARTICLE	IF	CITATIONS
19	Giardiasis and Cryptosporidiosis in Ruminants. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2006, 22, 623-643.	0.5	83
20	The GacS sensor kinase controls phenotypic reversion of small colony variants isolated from biofilms of <i>Pseudomonas aeruginosa</i> PA14. <i>FEMS Microbiology Ecology</i> , 2007, 59, 32-46.	1.3	70
21	Minimum Inhibitory Concentration (MIC) versus Minimum Biofilm Eliminating Concentration (MBEC) in Evaluation of Antibiotic Sensitivity of Gram-negative Bacilli Causing Peritonitis. <i>Peritoneal Dialysis International</i> , 2004, 24, 65-67.	1.1	66
22	Giardiasis in Ringed Seals from the Western Arctic. <i>Journal of Wildlife Diseases</i> , 1997, 33, 646-648.	0.3	65
23	MIC versus MBEC to Determine the Antibiotic Sensitivity of <i>Staphylococcus aureus</i> in Peritoneal Dialysis Peritonitis. <i>Peritoneal Dialysis International</i> , 2010, 30, 652-656.	1.1	64
24	Effects of Orally Administered Epidermal Growth Factor on Enteropathogenic <i>Escherichia coli</i> Infection in Rabbits. <i>Infection and Immunity</i> , 1998, 66, 4917-4923.	1.0	62
25	Flounder Antifreeze Peptides Increase the Efficacy of Cryosurgery. <i>Cryobiology</i> , 2001, 42, 182-189.	0.3	60
26	Activity of a silver-coated endotracheal tube in preclinical models of ventilator-associated pneumonia and a study after extubation*. <i>Critical Care Medicine</i> , 2010, 38, 1135-1140.	0.4	58
27	Mast Cell Hyperplasia and Increased Macromolecular Uptake in an Animal Model of Giardiasis. <i>Journal of Parasitology</i> , 1997, 83, 908.	0.3	57
28	Recombinant connective tissue growth factor modulates porcine skin fibroblast gene expression. <i>Wound Repair and Regeneration</i> , 2003, 11, 220-229.	1.5	56
29	Connective tissue growth factor siRNA modulates mRNA levels for a subset of molecules in normal and TGF- β 1-stimulated porcine skin fibroblasts. <i>Wound Repair and Regeneration</i> , 2004, 12, 205-216.	1.5	55
30	Giardiasis in Pinnipeds from Eastern Canada. <i>Journal of Wildlife Diseases</i> , 1999, 35, 779-782.	0.3	52
31	Characterization of biofilm growth and biocide susceptibility testing of <i>Mycobacterium phlei</i> using the MBEC assay system. <i>FEMS Microbiology Letters</i> , 2001, 203, 263-267.	0.7	51
32	The molecular epidemiology of <i>Cryptosporidium</i> and <i>Giardia</i> infections in coyotes from Alberta, Canada, and observations on some cohabiting parasites. <i>Veterinary Parasitology</i> , 2009, 159, 167-170.	0.7	41
33	Aminocillin Treatment of Catheter-Associated Bacteriuria in Rabbits. <i>Journal of Infectious Diseases</i> , 1989, 159, 1065-1072.	1.9	36
34	HATCHABILITY OF STORED CHICKEN EGGS AS AFFECTED BY DAILY TURNING DURING STORAGE AND PREWARMING AND VACUUMING EGGS ENCLOSED IN PLASTIC WITH NITROGEN. <i>Canadian Journal of Animal Science</i> , 1966, 46, 47-50.	0.7	35
35	Needed, new paradigms in antibiotic development. <i>Expert Opinion on Pharmacotherapy</i> , 2010, 11, 1233-1237.	0.9	34
36	Evaluation of strategies for central venous catheter replacement. <i>Critical Care Medicine</i> , 1992, 20, 797-804.	0.4	32

#	ARTICLE	IF	CITATIONS
37	Rat model of experimentally induced abacterial prostatitis. <i>Prostate</i> , 2000, 45, 201-206.	1.2	31
38	Passive immunity and serological immune response in dairy calves associated with natural <i>Giardia duodenalis</i> infections. <i>Veterinary Parasitology</i> , 2003, 113, 89-98.	0.7	31
39	In vivo expression of iron regulated outer-membrane proteins in <i>Pasteurella haemolytica</i> -A1. <i>Microbial Pathogenesis</i> , 1991, 11, 373-378.	1.3	30
40	Antibiotic Pharmacokinetics in the Inflamed Prostate. <i>Journal of Urology</i> , 1995, 153, 527-529.	0.2	29
41	Cytokine and Growth Factor mRNA Expression Patterns Associated with the Hypercontracted, Hyperpigmented Healing Phenotype of Red Duroc Pigs: A Model of Abnormal Human Scar Development?. <i>Journal of Cutaneous Medicine and Surgery</i> , 2005, 9, 165-177.	0.6	29
42	Synergistic Effect of Febantel and Pyrantel Embonate in Elimination of <i>Giardia</i> in a Gerbil Model. <i>Parasitology Research</i> , 2009, 105, 135-140.	0.6	29
43	In vivo coefficient of kinetic friction: Study of urinary catheter biocompatibility. <i>Urology</i> , 1987, 29, 501-503.	0.5	28
44	Evaluating the impact of meloxicam oral suspension administered at parturition on subsequent production, health, and culling in dairy cows: A randomized clinical field trial. <i>PLoS ONE</i> , 2018, 13, e0209236.	1.1	25
45	Monitoring respiratory function and sleep in the obese Vietnamese pot-bellied pig. <i>Journal of Applied Physiology</i> , 1999, 87, 444-451.	1.2	23
46	Molecular and cell biology of porcine HSP47 during wound healing: complete cDNA sequence and regulation of gene expression. <i>Wound Repair and Regeneration</i> , 2002, 10, 230-240.	1.5	22
47	Ruthenium(0) Catalyzed Isomerization of Allylbenzene. The Detection and Isolation of A Hydrido- η^3 -Allyl Intermediate. <i>Journal of Organometallic Chemistry</i> , 1979, 172, C13-C19.	0.8	21
48	An <i>In Vivo</i> Rabbit Model for the Evaluation of Antimicrobial Peripherally Inserted Central Catheter to Reduce Microbial Migration and Colonization as Compared to an Uncoated PICC. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-12.	3.0	21
49	The role of the epidermal growth factor receptor in microbial infections of the gastrointestinal tract. <i>Microbes and Infection</i> , 1999, 1, 1139-1144.	1.0	18
50	Xenoinfection of nonhuman primates by feline immunodeficiency virus. <i>Current Biology</i> , 2001, 11, 1109-1113.	1.8	18
51	Therapeutic Efficacy of Fleroxacin for Eliminating Catheter-Associated Urinary Tract Infection in a Rabbit Model. <i>American Journal of Medicine</i> , 1993, 94, 23S-30S.	0.6	18
52	Biofilm Infections in Peritoneal Dialysis-Related Peritonitis: Comparison of Standard MIC and MBEC in Evaluation of Antibiotic Sensitivity of Coagulase-Negative Staphylococci. <i>Peritoneal Dialysis International</i> , 2003, 23, 77-79.	1.1	16
53	Cytokine and Growth Factor mRNA Expression Patterns Associated with the Hypercontracted, Hyperpigmented Healing Phenotype of Red Duroc Pigs: A Model of Abnormal Human Scar Development?. <i>Journal of Cutaneous Medicine and Surgery</i> , 2005, 9, 165-177.	0.6	16
54	Bacteriologically stressed animal model of new closed catheter drainage system with microbicidal outlet tube. <i>Urology</i> , 1991, 38, 280-289.	0.5	15

#	ARTICLE	IF	CITATIONS
55	Determination of the Coefficient of Kinetic Friction of Urinary Catheter Materials. Journal of Urology, 1991, 145, 610-612.	0.2	15
56	Microbial colonization of tailed and tailless intrauterine contraceptive devices: Influence of the mode of insertion in the rabbit. American Journal of Obstetrics and Gynecology, 1986, 154, 648-655.	0.7	14
57	Evaluation of autologous fat implantation in the rat urinary bladder submucosa. Urology, 1998, 52, 915-919.	0.5	12
58	The Efficacy of Meloxicam Oral Suspension for Controlling Pain and Inflammation After Castration in Horses. Journal of Equine Veterinary Science, 2015, 35, 724-730.	0.4	12
59	Early experience with topical meloxicam and lidocaine combination for the treatment of vulvodynia. Canadian Urological Association Journal, 2018, 12, 252-255.	0.3	6
60	Effect of a dietary nonionic surfactant on small intestinal nutrient transport. Digestive Diseases and Sciences, 1999, 44, 1423-1427.	1.1	4
61	Interaction of Biofilms with Tissues. , 2005, , 125-148.		4
62	The use of meloxicam oral suspension to treat musculoskeletal lameness in cattle. Veterinary Medicine: Research and Reports, 2016, Volume 7, 149-155.	0.4	4
63	114 A Comparison of in vitro Disc Diffusion and Time-Kill Kinetic Assays for the Evaluation of Antimicrobial Activity of Silver Containing Wound Dressings. Wound Repair and Regeneration, 2004, 12, A30-A30.	1.5	3
64	Minimal Biofilm Eradication Concentration (MBEC) Assay. , 2005, , 257-269.		3
65	Giardia in Pets and Farm Animals, and Their Zoonotic Potential. , 2011, , 71-92.		3
66	The Palatability and Comparative Efficacy of Meloxicam Oral Suspension for the Treatment of Chronic Musculoskeletal Disease in Horses. Journal of Equine Veterinary Science, 2016, 44, 26-31.	0.4	3
67	<p>A Pilot Study To Evaluate The Effect Of A Novel Calcium And Vitamin D-Containing Oral Bolus On Serum Calcium Levels In Holstein Dairy Cows Following Parturition</p>. Veterinary Medicine: Research and Reports, 2019, Volume 10, 151-158.	0.4	2
68	Evaluation of Activated Charcoal as an Alternative to Antimicrobials for the Treatment of Neonatal Calf Diarrhea. Veterinary Medicine: Research and Reports, 2021, Volume 12, 359-369.	0.4	2
69	Canine bladder tissue responses to injectable stabilized non-animal hyaluronic acid/dextranomer (NASHA/Dx) gel. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2008, 138, 114-115.	0.5	1
70	Dissolution Rates of Calcium Boluses and Their Effects on Serum Calcium in Dairy Cattle. Veterinary Medicine: Research and Reports, 2021, Volume 12, 23-32.	0.4	1
71	Variations of Broncho-Alveolar Lavage Techniques Affect Cell Recoveries. Journal of Parasitology, 1990, 76, 921.	0.3	0