

Merle E Olson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

3,834
citations

32
h-index

61
g-index

72
ext. papers

4,207
ext. citations

3.4
avg. IF

4.87
L-index

#	Paper	IF	Citations
70	Biofilm bacteria: formation and comparative susceptibility to antibiotics. <i>Canadian Journal of Veterinary Research</i> , 2002 , 66, 86-92		399
69	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, 141-51	3.6	301
68	Microtiter susceptibility testing of microbes growing on peg lids: a miniaturized biofilm model for high-throughput screening. <i>Nature Protocols</i> , 2010 , 5, 1236-54	18.8	190
67	Update on Cryptosporidium and Giardia infections in cattle. <i>Trends in Parasitology</i> , 2004 , 20, 185-91	6.4	188
66	Giardia and Cryptosporidium in mammalian wildlife--current status and future needs. <i>Trends in Parasitology</i> , 2005 , 21, 370-6	6.4	179
65	Can filamentous fungi form biofilms?. <i>Trends in Microbiology</i> , 2009 , 17, 475-80	12.4	148
64	Silver-coated endotracheal tubes associated with reduced bacterial burden in the lungs of mechanically ventilated dogs. <i>Chest</i> , 2002 , 121, 863-70	5.3	142
63	Giardia Cyst and Cryptosporidium Oocyst Survival in Water, Soil, and Cattle Feces. <i>Journal of Environmental Quality</i> , 1999 , 28, 1991-1996	3.4	133
62	Copper and quaternary ammonium cations exert synergistic bactericidal and antibiofilm activity against <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 2870-81	5.9	121
61	Prevalence and infection pattern of naturally acquired giardiasis and cryptosporidiosis in range beef calves and their dams. <i>Veterinary Parasitology</i> , 2003 , 114, 113-22	2.8	103
60	The MBEC Assay System: multiple equivalent biofilms for antibiotic and biocide susceptibility testing. <i>Methods in Enzymology</i> , 2001 , 337, 377-85	1.7	99
59	Pathophysiology of small intestinal malabsorption in gerbils infected with <i>Giardia lamblia</i> . <i>Gastroenterology</i> , 1992 , 103, 506-13	13.3	96
58	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, 412-21	3.6	95
57	Molecular and cell biology of skin wound healing in a pig model. <i>Connective Tissue Research</i> , 2000 , 41, 195-211	3.3	89
56	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, 305-19	3.6	79
55	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, 6515-9	3.7	78
54	Biofilm formation by group a streptococci: is there a relationship with treatment failure?. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 4043-8	9.7	74

53	Giardiasis and cryptosporidiosis in ruminants. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2006 , 22, 623-43	4.6	69
52	Biofilm formation and biocide susceptibility testing of <i>Mycobacterium fortuitum</i> and <i>Mycobacterium marinum</i> . <i>Current Microbiology</i> , 2003 , 46, 28-32	2.4	61
51	Giardiasis in ringed seals from the western arctic. <i>Journal of Wildlife Diseases</i> , 1997 , 33, 646-8	1.3	59
50	Effects of orally administered epidermal growth factor on enteropathogenic <i>Escherichia coli</i> infection in rabbits. <i>Infection and Immunity</i> , 1998 , 66, 4917-23	3.7	59
49	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	2.8	55
48	Recombinant connective tissue growth factor modulates porcine skin fibroblast gene expression. <i>Wound Repair and Regeneration</i> , 2003 , 11, 220-9	3.6	54
47	Flounder antifreeze peptides increase the efficacy of cryosurgery. <i>Cryobiology</i> , 2001 , 42, 182-9	2.7	52
46	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, 1135-40	1.4	51
45	Mast Cell Hyperplasia and Increased Macromolecular Uptake in an Animal Model of Giardiasis. <i>Journal of Parasitology</i> , 1997 , 83, 908	0.9	48
44	MIC versus MBEC to determine the antibiotic sensitivity of <i>Staphylococcus aureus</i> in peritoneal dialysis peritonitis. <i>Peritoneal Dialysis International</i> , 2010 , 30, 652-6	2.8	47
43	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	4.3	47
42	Giardiasis in pinnipeds from eastern Canada. <i>Journal of Wildlife Diseases</i> , 1999 , 35, 779-82	1.3	47
41	Combined administration of basic fibroblast growth factor protein and the hepatocyte growth factor gene enhances the regeneration of dermis in acute incisional wounds. <i>Wound Repair and Regeneration</i> , 2004 , 12, 67-79	3.6	46
40	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, 263-7	2.9	44
39	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, 167-70	2.8	35
38	Amdinocillin treatment of catheter-associated bacteriuria in rabbits. <i>Journal of Infectious Diseases</i> , 1989 , 159, 1065-72	7	32
37	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	2.8	29
36	Prevalence of <i>Giardia</i> and <i>Cryptosporidium</i> in beef cows in southern Ontario and in beef calves in southern British Columbia. <i>Canadian Journal of Animal Science</i> , 2005 , 46, 47-55	0.9	29

35	In vivo expression of iron regulated outer-membrane proteins in <i>Pasteurella haemolytica</i> -A1. <i>Microbial Pathogenesis</i> , 1991 , 11, 373-8	3.8	27
34	Synergistic effect of febantel and pyrantel embonate in elimination of <i>Giardia</i> in a gerbil model. <i>Parasitology Research</i> , 2009 , 105 Suppl 1, S135-40	2.4	26
33	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, 165-77	1.6	26
32	Evaluation of strategies for central venous catheter replacement. <i>Critical Care Medicine</i> , 1992 , 20, 797-804	4	26
31	In vivo coefficient of kinetic friction: study of urinary catheter biocompatibility. <i>Urology</i> , 1987 , 29, 501-3	1.6	26
30	Rat model of experimentally induced abacterial prostatitis. <i>Prostate</i> , 2000 , 45, 201-6	4.2	23
29	Antibiotic pharmacokinetics in the inflamed prostate. <i>Journal of Urology</i> , 1995 , 153, 527-9	2.5	23
28	Monitoring respiratory function and sleep in the obese Vietnamese pot-bellied pig. <i>Journal of Applied Physiology</i> , 1999 , 87, 444-51	3.7	22
27	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, 230-40	3.6	20
26	Ruthenium(0) Catalyzed Isomerization of Allylbenzene. The Detection and Isolation of A Hydrido- β -Allyl Intermediate. <i>Journal of Organometallic Chemistry</i> , 1979 , 172, C13-C19	2.3	20
25	An in vivo 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, 921617		18
24	Xenoinfection of nonhuman primates by feline immunodeficiency virus. <i>Current Biology</i> , 2001 , 11, 1109-13	13	17
23	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	2.4	17
22	The role of the epidermal growth factor receptor in microbial infections of the gastrointestinal tract. <i>Microbes and Infection</i> , 1999 , 1, 1139-44	9.3	16
21	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	1.6	15
20	Bacteriologically stressed animal model of new closed catheter drainage system with microbicidal outlet tube. <i>Urology</i> , 1991 , 38, 280-9	1.6	14
19	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	2.8	13
18	Determination of the coefficient of kinetic friction of urinary catheter materials. <i>Journal of Urology</i> , 1991 , 145, 610-2	2.5	13

17	Microbial colonization of tailed and tailless intrauterine contraceptive devices: influence of the mode of insertion in the rabbit. <i>American Journal of Obstetrics and Gynecology</i> , 1986 , 154, 648-55	6.4	12
16	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	3.7	11
15	Evaluation of autologous fat implantation in the rat urinary bladder submucosa. <i>Urology</i> , 1998 , 52, 915-916	1.6	10
14	The Efficacy of Meloxicam Oral Suspension for Controlling Pain and Inflammation After Castration in Horses. <i>Journal of Equine Veterinary Science</i> , 2015 , 35, 724-730	1.2	8
13	Early experience with topical meloxicam and lidocaine combination for the treatment of vulvodinia. <i>Canadian Urological Association Journal</i> , 2018 , 12, 252-255	1.2	4
12	The use of meloxicam oral suspension to treat musculoskeletal lameness in cattle. <i>Veterinary Medicine: Research and Reports</i> , 2016 , 7, 149-155	2.3	4
11	Giardia in Pets and Farm Animals, and Their Zoonotic Potential 2011 , 71-92		3
10	114A Comparison of in vitro Disc Diffusion and Time-Kill Kinetic Assays for the Evaluation of Antimicrobial Activity of Silver Containing Wound Dressings. <i>Wound Repair and Regeneration</i> , 2004 , 12, A30-A30	3.6	3
9	Effect of a dietary nonionic surfactant on small intestinal nutrient transport. <i>Digestive Diseases and Sciences</i> , 1999 , 44, 1423-7	4	3
8	Minimal Biofilm Eradication Concentration (MBEC) Assay 2005 , 257-269		2
7	Interaction of Biofilms with Tissues 2005 , 125-148		2
6	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. <i>Veterinary Medicine: Research and Reports</i> , 2019 , 10, 151-158	2.3	2
5	The Palatability and Comparative Efficacy of Meloxicam Oral Suspension for the Treatment of Chronic Musculoskeletal Disease in Horses. <i>Journal of Equine Veterinary Science</i> , 2016 , 44, 26-31	1.2	2
4	Canine bladder tissue responses to injectable stabilized non-animal hyaluronic acid/dextranomer (NASHA/Dx) gel. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2008 , 138, 114-5	2.4	1
3	Evaluation of Activated Charcoal as an Alternative to Antimicrobials for the Treatment of Neonatal Calf Diarrhea.. <i>Veterinary Medicine: Research and Reports</i> , 2021 , 12, 359-369	2.3	0
2	Variations of Broncho-Alveolar Lavage Techniques Affect Cell Recoveries. <i>Journal of Parasitology</i> , 1990 , 76, 921	0.9	
1	Dissolution Rates of Calcium Boluses and Their Effects on Serum Calcium in Dairy Cattle. <i>Veterinary Medicine: Research and Reports</i> , 2021 , 12, 23-32	2.3	