Steven L Percival

List of Publications by Year
in descending order

168 papers	7,157 citations	93792 39 h-index	68831 81 g-index
173 all docs	173 docs citations	173 times ranked	9941 citing authors

#	Article	IF	Citations
1	Controlledâ€release iodine foam dressings demonstrate broadâ€spectrum biofilm management in several in vitro models. International Wound Journal, 2022, 19, 1717-1728.	1.3	9
2	The Ability of a Concentrated Surfactant Gel to Reduce an Aerobic, Anaerobic and Multispecies Bacterial Biofilm In Vitro. Advances in Experimental Medicine and Biology, 2021, 1323, 149-157.	0.8	2
3	Antibiofilm Efficacy of Polihexanide, Octenidine and Sodium Hypochlorite/Hypochlorous Acid Based Wound Irrigation Solutions against Staphylococcus aureus, Pseudomonas aeruginosa and a Multispecies Biofilm. Advances in Experimental Medicine and Biology, 2021, , 1.	0.8	5
4	A comparative study on the cellular viability and debridement efficiency of antimicrobialâ€based wound dressings. International Wound Journal, 2020, 17, 73-82.	1.3	2
5	The efficacy of topical agents used in wounds for managing chronic biofilm infections: A systematic review. Journal of Infection, 2020, 80, 261-270.	1.7	40
6	Effects of a surfactant-based gel on acute and chronic paediatric wounds: a panel discussion and case series. Journal of Wound Care, 2019, 28, 398-408.	0.5	4
7	In vitro cellular viability studies on a concentrated surfactantâ€based wound dressing. International Wound Journal, 2019, 16, 703-712.	1.3	12
8	Efficacy of Poloxamer-Based Wound Dressings on Acinetobacter baumanni Biofilms. Advances in Wound Care, 2019, 8, 463-468.	2.6	3
9	Surfactants: Role in biofilm management and cellular behaviour. International Wound Journal, 2019, 16, 753-760.	1.3	38
10	Silver, biofilms and wounds: resistance revisited. Critical Reviews in Microbiology, 2019, 45, 223-237.	2.7	25
11	Efficacy of Concentrated Surfactant-Based Wound Dressings in Wound Repair and Biofilm Reduction. Advances in Wound Care, 2018, 7, 315-322.	2.6	7
12	Assessment of clinical effectiveness of haemoglobin spray as adjunctive therapy in the treatment of sloughy wounds. Journal of Wound Care, 2018, 27, 210-219.	0.5	11
13	Restoring balance: biofilms and wound dressings. Journal of Wound Care, 2018, 27, 102-113.	0.5	15
14	Efficacy of a Surfactant-Based Wound Dressing in the Prevention of Biofilms. Advances in Skin and Wound Care, 2018, 31, 514-520.	0.5	9
15	Effect of a surfactant-based gel on patient quality of life. Journal of Wound Care, 2018, 27, 664-678.	0.5	5
16	Cell salvage in acute and chronic wounds: a potential treatment strategy. Experimental data and early clinical results. Journal of Wound Care, 2018, 27, 594-605.	0.5	14
17	Role of anaerobes in polymicrobial communities and biofilms complicating diabetic foot ulcers. International Wound Journal, 2018, 15, 776-782.	1.3	50
18	Mode of action of poloxamerâ€based surfactants in wound care and efficacy on biofilms. International Wound Journal, 2018, 15, 749-755.	1.3	32

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19	Antimicrobial Efficacy of a Silver Impregnated Hydrophilic PU Foam. Surgical Technology International, 2018, 32, 67-74.	0.1	4
20	Tolerance of Biofilms to Antimicrobials and Significance to Antibiotic Resistance in Wounds. Surgical Technology International, 2018, 33, 59-66.	0.1	14
21	Importance of biofilm formation in surgical infection. British Journal of Surgery, 2017, 104, e85-e94.	0.1	83
22	Efficacy of a surfactantâ€based wound dressing on biofilm control. Wound Repair and Regeneration, 2017, 25, 767-773.	1.5	39
23	Role of slough and biofilm in delaying healing in chronic wounds. British Journal of Nursing, 2017, 26, S4-S11.	0.3	9
24	Surfactants and their role in wound cleansing and biofilm management. Journal of Wound Care, 2017, 26, 680-690.	0.5	46
25	The Efficacy of Tetrasodium EDTA on Biofilms. Advances in Experimental Medicine and Biology, 2017, 1057, 101-110.	0.8	14
26	Antiseptics for treating infected wounds: Efficacy on biofilms and effect of pH. Critical Reviews in Microbiology, 2016, 42, 1-17.	2.7	68
27	An open multicenter comparative randomized clinical study on chitosan. Wound Repair and Regeneration, 2015, 23, 518-524.	1.5	34
28	Slough and biofilm: removal of barriers to wound healing by desloughing. Journal of Wound Care, 2015, 24, 498-510.	0.5	76
29	Biofilms and Wounds: An Overview of the Evidence. Advances in Wound Care, 2015, 4, 373-381.	2.6	260
30	The role of polyphosphates in the sequestration of matrix metalloproteinases. International Wound Journal, 2015, 12, 89-99.	1.3	8
31	Clinical and Antibiofilm Efficacy of Antimicrobial Hydrogels. Advances in Wound Care, 2015, 4, 398-406.	2.6	41
32	Low-level laser therapy as an antimicrobial and antibiofilm technology and its relevance to wound healing. Future Microbiology, 2015, 10, 255-272.	1.0	40
33	Healthcare-associated infections, medical devices and biofilms: risk, tolerance and control. Journal of Medical Microbiology, 2015, 64, 323-334.	0.7	547
34	Biofilm-Infected Pressure Ulcers: Current Knowledge and Emerging Treatment Strategies. Advances in Experimental Medicine and Biology, 2015, 831, 29-43.	0.8	12
35	Biofilms and Wounds: An Identification Algorithm and Potential Treatment Options. Advances in Wound Care, 2015, 4, 389-397.	2.6	67
36	The Effect of pH on the Extracellular Matrix and Biofilms. Advances in Wound Care, 2015, 4, 431-439.	2.6	283

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37	EDTA: An Antimicrobial and Antibiofilm Agent for Use in Wound Care. Advances in Wound Care, 2015, 4, 415-421.	2.6	161
38	Silver and Alginates: Role in Wound Healing and Biofilm Control. Advances in Wound Care, 2015, 4, 407-414.	2.6	69
39	Shigella. , 2014, , 223-236.		4
40	Aeromonas. , 2014, , 49-64.		6
41	Salmonella. , 2014, , 209-222.		7
42	Acinetobacter. , 2014, , 35-48.		5
43	The effectiveness of photodynamic therapy on planktonic cells and biofilms and its role in wound healing. Future Microbiology, 2014, 9, 1083-1094.	1.0	20
44	Campylobacter. , 2014, , 65-78.		2
45	Legionella. , 2014, , 155-175.		9
46	Yersinia. , 2014, , 249-259.		3
47	Vibrio. , 2014, , 237-248.		8
48	Mycobacterium. , 2014, , 177-207.		8
49	Biofilms. , 2014, , 143-163.		7
50	Healthcare-Associated Infections and Biofilms. , 2014, , 165-184.		2
51	Biofilmsâ€™ Role in Intravascular Catheter Infections. , 2014, , 185-198.		0
52	Ventilator-Associated Pneumonia, Endotracheal Tubes and Biofilms. , 2014, , 199-208.		1
53	Wound Infection and Biofilms. , 2014, , 339-358.		4
54	Introduction to Infection and Infection Prevention. , 2014, , 3-17.		0

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55	Decontamination. , 2014, , 49-60.		0
56	Wounds and Infection. , 2014, , 127-139.		4
57	Invasive Devices. , 2014, , 91-126.		0
58	Methods for the Detection ofÂWaterborne Viruses. , 2014, , 443-470.		2
59	Cyanobacteria. , 2014, , 79-88.		17
60	The effects of <scp>pH</scp> on wound healing, biofilms, and antimicrobial efficacy. Wound Repair and Regeneration, 2014, 22, 174-186.	1.5	293
61	Escherichia coli. , 2014, , 89-117.		23
62	Biofilms and Helicobacter pylori: Dissemination and persistence within the environment and host. World Journal of Gastrointestinal Pathophysiology, 2014, 5, 122.	0.5	39
63	Proteases and Delayed Wound Healing. Advances in Wound Care, 2013, 2, 438-447.	2.6	333
64	A review of the scientific evidence for biofilms in wounds. Wound Repair and Regeneration, 2012, 20, 647-657.	1.5	380
65	The affect of pH and bacterial phenotypic state on antibiotic efficacy. International Wound Journal, 2012, 9, 428-435.	1.3	21
66	The role of endogenous and exogenous enzymes in chronic wounds: A focus on the implications of aberrant levels of both host and bacterial proteases in wound healing. Wound Repair and Regeneration, 2012, 20, 125-136.	1.5	140
67	Microbiology of the skin and the role of biofilms in infection. International Wound Journal, 2012, 9, 14-32.	1.3	184
68	The antimicrobial efficacy of silver on antibioticâ€resistant bacteria isolated from burn wounds. International Wound Journal, 2012, 9, 488-493.	1.3	57
69	The visualisation and speed of kill of wound isolates on a silver alginate dressing. International Wound Journal, 2012, 9, 633-642.	1.3	27
70	Evidence and Significance of Biofilms in Chronic Wounds in Horses. Springer Series on Biofilms, 2011, , 143-173.	0.0	0
71	Antimicrobial tolerance and the significance of persister cells in recalcitrant chronic wound biofilms. Wound Repair and Regeneration, 2011, 19, 1-9.	1.5	144
72	Use of flow cytometry to compare the antimicrobial efficacy of silverâ€containing wound dressings against planktonic Staphylococcus aureus and Pseudomonas aeruginosa. Wound Repair and Regeneration, 2011, 19, 436-441.	1.5	17

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73	The efficacy of silver dressings and antibiotics on <scp>MRSA</scp> and <scp>MSSA</scp> isolated from burn patients. Wound Repair and Regeneration, 2011, 19, 767-774.	1.5	24
74	The antimicrobial efficacy of a silver alginate dressing against a broad spectrum of clinically relevant wound isolates. International Wound Journal, 2011, 8, 237-243.	1.3	69
75	Microbiology of equine wounds and evidence of bacterial biofilms. Veterinary Microbiology, 2011, 150, 152-159.	0.8	96
76	In vitro antimicrobial efficacy of a silver alginate dressing on burn wound isolates. Journal of Wound Care, 2011, 20, 124-128.	0.5	19
77	Combinatorial activities of ionic silver and sodium hexametaphosphate against microorganisms associated with chronic wounds. Journal of Antimicrobial Chemotherapy, 2011, 66, 2556-2561.	1.3	24
78	Zoonotic Infections: The Role of Biofilms. Springer Series on Biofilms, 2011, , 69-110.	0.0	6
79	Biofilms and Role to Infection and Disease in Veterinary Medicine. Springer Series on Biofilms, 2011, , 111-128.	0.0	6
80	A comparison of the antimicrobial efficacy of two silver-containing wound dressings on burn wound isolates. Journal of Wound Care, 2011, 20, 580-586.	0.5	12
81	Introduction to Microbiology, Zoonoses and Antibiotics. Springer Series on Biofilms, 2011, , 1-39.	0.0	1
82	Introduction to Biofilms. Springer Series on Biofilms, 2011, , 41-68.	0.0	60
83	Biofilms and Implication in Medical Devices in Humans and Animals. Springer Series on Biofilms, 2011, , 191-203.	0.0	4
84	Types of Wounds and Infections. , 2010, , 219-232.		9
85	Biofilms and bacterial imbalances in chronic wounds: antiâ€Koch. International Wound Journal, 2010, 7, 169-175.	1.3	92
86	A prospective randomised open label study to evaluate the potential of a new silver alginate/carboxymethylcellulose antimicrobial wound dressing to promote wound healing. International Wound Journal, 2010, 7, 262-270.	1.3	78
87	The Effect of pH on the Antimicrobial Efficiency of Silver Alginate on Chronic Wound Isolates. The Journal of the American College of Certified Wound Specialists, 2010, 2, 86-90.	0.2	13
88	An Introduction to the World of Microbiology and Biofilmology. , 2010, , 1-58.		10
89	Wound Healing Immunology and Biofilms. , 2010, , 271-292.		12
90	Antimicrobial Interventions for Wounds. , 2010, , 293-328.		12

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91	Human Skin and Microbial Flora. , 2010, , 59-82.		2
92	The Microbiology of Wounds. , 2010, , 187-218.		21
93	Biofilms and Significance to Wound Healing. , 2010, , 233-248.		10
94	Wounds, Enzymes, and Proteases. , 2010, , 249-270.		2
95	ï»¿ï»¿ï»¿ï»¿Chronic equine wounds: what is the role of infection and biofilms?ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿ï»¿. Wounds, 201	0.2	15
96	Biofilms: possible strategies for suppression in chronic wounds. Nursing Standard (Royal College of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	20
97	Transmission of Helicobacter pylori and the role of water and biofilms. Journal of Water and Health, 2009, 7, 469-477.	1.1	54
98	Prevalence of silver resistance genes in bacteria isolated from human and horse wounds. Veterinary Microbiology, 2009, 138, 325-329.	0.8	76
99	The effect of EDTA instillations on the rate of development of encrustation and biofilms in Foley catheters. Urological Research, 2009, 37, 205-209.	1.5	30
100	Silver resistance in MRSA isolated from wound and nasal sources in humans and animals. International Wound Journal, 2009, 6, 32-38.	1.3	81
101	Biofilm evidence and the microbial diversity of horse wounds. Canadian Journal of Microbiology, 2009, 55, 197-202.	0.8	75
102	In Vitro Study of Sustained Antimicrobial Activity of a New Silver Alginate Dressing. The Journal of the American College of Certified Wound Specialists, 2009, 1, 117-120.	0.2	22
103	Detection and identification of specific bacteria in wound biofilms using peptide nucleic acid fluorescent in situ hybridization (PNA FISH). Microbiology (United Kingdom), 2009, 155, 2603-2611.	0.7	177
104	Decomposition of Human Remains. , 2009, , 313-334.		102
105	Skin Aging and Microbiology. , 2009, , 57-94.		4
106	Biofilms:possible strategies for suppression in chronic wounds. Nursing Standard (Royal College of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	2
107	Microbiological Theory of Autism in Childhood. , 2009, , 291-311.		0
108	The Significance of Helicobacter Pylori Acquisition and the Hygiene Hypothesis. , 2009, , 263-274.		0

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109	Probiotics and the Ageing Gut. , 2009, , 275-289.		0
110	Clostridium and The Ageing Gut. , 2009, , 223-262.		0
111	Ageing Theories, Diseases and Microorganisms. , 2009, , 1-13.		0
112	Indigenous Microbiota and Association with the Host. , 2009, , 15-37.		0
113	Assessing the effect of an antimicrobial wound dressing on biofilms. Wound Repair and Regeneration, 2008, 16, 52-57.	1.5	110
114	Biofilms in wounds: management strategies. Journal of Wound Care, 2008, 17, 502-508.	0.5	140
115	Prevalence of silver resistance in bacteria isolated from diabetic foot ulcers and efficacy of silver-containing wound dressings. Ostomy - Wound Management, 2008, 54, 30-40.	0.8	22
116	Antimicrobial activity of silverâ€containing dressings on wound microorganisms using an in vitro biofilm model. International Wound Journal, 2007, 4, 186-191.	1.3	178
117	Evaluating antibiotics for use in medicine using a poloxamer biofilm model. Annals of Clinical Microbiology and Antimicrobials, 2007, 6, 2.	1.7	37
118	Biofilms and their relevance to veterinary medicine. Veterinary Microbiology, 2007, 121, 1-17.	0.8	106
119	Intravascular catheters and biofilm control. Journal of Vascular Access, 2007, 8, 69-80.	0.5	12
120	Answers linked to Percival SL, Bowler PG, Russell AD. Bacterial resistance to silver in wound care. J Hosp Infect 2005;60:1â€”7.. Journal of Hospital Infection, 2006, 62, 239.	1.4	4
121	Tetrasodium EDTA as a Novel Central Venous Catheter Lock Solution Against Biofilm. Infection Control and Hospital Epidemiology, 2005, 26, 515-519.	1.0	148
122	Bacterial resistance to silver in wound care. Journal of Hospital Infection, 2005, 60, 1-7.	1.4	726
123	Entamoeba histolytica. , 2004, , 285-298.		0
124	Vibrio cholerae. , 2004, , 197-207.		0
125	Enterovirus. , 2004, , 401-418.		0
126	Norovirus and sapovirus. , 2004, , 433-444.		0

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127	Other heterotrophic plate count bacteria. , 2004, , 125-143.		0
128	Use of In Vivo-Generated Biofilms from Hemodialysis Catheters To Test the Efficacy of a Novel Antimicrobial Catheter Lock for Biofilm Eradication In Vitro. Journal of Clinical Microbiology, 2004, 42, 3073-3076.	1.8	90
129	Risk assessment and drinking water. , 2004, , 3-17.		0
130	Escherichia coli. , 2004, , 71-90.		0
131	Emerging waterborne infectious diseases. , 2004, , 463-468.		1
132	Balantidium coli. , 2004, , 231-236.		0
133	Acinetobacter. , 2004, , 21-28.		0
134	Legionella. , 2004, , 145-153.		1
135	Acanthamoeba spp.. , 2004, , 221-229.		1
136	Cyclospora cayetanensis. , 2004, , 267-284.		1
137	Naegleria fowleri. , 2004, , 319-324.		1
138	Toxoplasma gondii. , 2004, , 325-336.		1
139	The survival and persistence of viruses in water. , 2004, , 345-348.		1
140	Methods for the detection of waterborne viruses. , 2004, , 349-377.		2
141	Astrovirus. , 2004, , 387-399.		1
142	Yersinia. , 2004, , 209-218.		1
143	Dracunculiasis. , 2004, , 455-459.		0
144	Campylobacter. , 2004, , 49-60.		0

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145	Hepatitis E virus (HEV). , 2004, , 427-431.		0
146	Rotavirus. , 2004, , 445-452.		0
147	Common themes. , 2004, , 339-343.		0
148	Hepatitis A virus (HAV). , 2004, , 419-426.		0
149	Shigella. , 2004, , 185-195.		0
150	Giardia duodenalis. , 2004, , 299-318.		0
151	Aeromonas. , 2004, , 29-41.		0
152	Cryptosporidium spp. , 2004, , 237-265.		1
153	Arcobacter. , 2004, , 43-48.		0
154	The Mycobacterium avium complex. , 2004, , 155-171.		0
155	Adenovirus. , 2004, , 379-386.		0
156	Salmonella. , 2004, , 173-183.		0
157	Cyanobacteria. , 2004, , 61-70.		0
158	BACTERIAL RESISTANCE TO SILVER. Journal of Wound, Ostomy and Continence Nursing, 2004, 31, S29.	0.6	1
159	[12] Methods used to assess biofouling of material used in distribution and domestic water systems. Methods in Enzymology, 2001, 337, 187-200.	0.4	4
160	[16] Microscopy methods to investigate structure of potable water biofilms. Methods in Enzymology, 2001, 337, 243-255.	0.4	25
161	The effect of turbulent flow and surface roughness on biofilm formation in drinking water. Journal of Industrial Microbiology and Biotechnology, 1999, 22, 152-159.	1.4	88
162	The effect of molybdenum on biofilm development. Journal of Industrial Microbiology and Biotechnology, 1999, 23, 112-117.	1.4	25

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163	Biofilm development in potable quality water. Biofouling, 1999, 13, 259-277.	0.8	8
164	Potable water and biofilms: A review of the public health implications. Biofouling, 1999, 14, 99-115.	0.8	86
165	BIOFILM DEVELOPMENT ON STAINLESS STEEL IN MAINS WATER. Water Research, 1998, 32, 243-253.	5.3	94
166	Biofilms, mains water and stainless steel. Water Research, 1998, 32, 2187-2201.	5.3	40
167	Physical factors influencing bacterial fouling of type 304 and 316 stainless steels. Corrosion Engineering Science and Technology, 1998, 33, 121-129.	0.3	6
168	Biofilm Development on 304 and 316 Stainless Steels in a Potable Water System. Water and Environment Journal, 1997, 11, 289-294.	1.0	23