

David W Williams

List of Publications by Year in descending order

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62
papers

4,446
citations

126907

33
h-index

118850

62
g-index

62
all docs

62
docs citations

62
times ranked

6162
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Candida glabrata</i> , <i>Candida parapsilosis</i> and <i>Candida tropicalis</i> : biology, epidemiology, pathogenicity and antifungal resistance. <i>FEMS Microbiology Reviews</i> , 2012, 36, 288-305.	8.6	714
2	A review of the scientific evidence for biofilms in wounds. <i>Wound Repair and Regeneration</i> , 2012, 20, 647-657.	3.0	380
3	Biofilms of non- <i>Candida albicans</i> <i>Candida</i> species: quantification, structure and matrix composition. <i>Medical Mycology</i> , 2009, 47, 681-689.	0.7	318
4	Adherence and biofilm formation of non- <i>Candida albicans</i> <i>Candida</i> species. <i>Trends in Microbiology</i> , 2011, 19, 241-247.	7.7	208
5	Microbiology of the skin and the role of biofilms in infection. <i>International Wound Journal</i> , 2012, 9, 14-32.	2.9	184
6	Detection and identification of specific bacteria in wound biofilms using peptide nucleic acid fluorescent in situ hybridization (PNA FISH). <i>Microbiology (United Kingdom)</i> , 2009, 155, 2603-2611.	1.8	177
7	<i>Candida</i> biofilms and oral candidosis: treatment and prevention. <i>Periodontology 2000</i> , 2011, 55, 250-265.	13.4	165
8	Antimicrobial tolerance and the significance of persister cells in recalcitrant chronic wound biofilms. <i>Wound Repair and Regeneration</i> , 2011, 19, 1-9.	3.0	144
9	An in vitro model of chronic wound biofilms to test wound dressings and assess antimicrobial susceptibilities. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1195-1206.	3.0	141
10	Titanium surface modification and its effect on the adherence of <i>Porphyromonas gingivalis</i> : an in vitro study. <i>Clinical Oral Implants Research</i> , 2006, 17, 633-637.	4.5	139
11	Antimicrobial susceptibility of 800 anaerobic isolates from patients with dentoalveolar infection to 13 oral antibiotics. <i>Oral Microbiology and Immunology</i> , 2007, 22, 285-288.	2.8	110
12	Biofilms and bacterial imbalances in chronic wounds: anti-Koch. <i>International Wound Journal</i> , 2010, 7, 169-175.	2.9	92
13	Lipopolysaccharide-Induced M2 to M1 Macrophage Transformation for IL-12p70 Production Is Blocked by <i>Candida albicans</i> Mediated Up-Regulation of EB13 Expression. <i>PLoS ONE</i> , 2013, 8, e63967.	2.5	90
14	<i>Candida glabrata</i> and <i>Candida albicans</i> co-infection of an in vitro oral epithelium. <i>Journal of Oral Pathology and Medicine</i> , 2011, 40, 421-427.	2.7	86
15	Adherence of <i>Candida albicans</i> to experimental denture soft lining materials. <i>Journal of Prosthetic Dentistry</i> , 1997, 77, 306-312.	2.8	83
16	In Vitro Biofilm Activity of Non- <i>Candida albicans</i> <i>Candida</i> Species. <i>Current Microbiology</i> , 2010, 61, 534-540.	2.2	82
17	A pilot study of bioaerosol reduction using an air cleaning system during dental procedures. <i>British Dental Journal</i> , 2010, 209, E14-E14.	0.6	73
18	The effect of silver nanoparticles and nystatin on mixed biofilms of <i>Candida glabrata</i> and <i>Candida albicans</i> on acrylic. <i>Medical Mycology</i> , 2013, 51, 178-184.	0.7	72

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19	Silicone colonization by non-Candida albicans Candida species in the presence of urine. <i>Journal of Medical Microbiology</i> , 2010, 59, 747-754.	1.8	68
20	In vitro susceptibility of oral Candida to seven antifungal agents. <i>Oral Microbiology and Immunology</i> , 2005, 20, 349-353.	2.8	66
21	Molecular Analysis of Microbial Communities in Endotracheal Tube Biofilms. <i>PLoS ONE</i> , 2011, 6, e14759.	2.5	66
22	An outcome audit of the treatment of acute dentoalveolar infection: impact of penicillin resistance. <i>British Dental Journal</i> , 2005, 198, 759-763.	0.6	60
23	Introduction to Biofilms. <i>Springer Series on Biofilms</i> , 2011, , 41-68.	0.1	60
24	Evaluation of the recurrence of denture stomatitis and Candida colonization in a small group of patients who received itraconazole. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 97, 351-358.	1.4	56
25	Differential invasion of Candida albicans isolates in an in vitro model of oral candidosis. <i>Oral Microbiology and Immunology</i> , 2004, 19, 293-296.	2.8	52
26	The role of secreted aspartyl proteinases in Candida tropicalis invasion and damage of oral mucosa. <i>Clinical Microbiology and Infection</i> , 2011, 17, 264-272.	6.0	47
27	Detection of Candida in Concentrated Oral Rinse Cultures by Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2004, 42, 2101-2107.	3.9	46
28	Detection of cfxA and cfxA2, the β -Lactamase Genes of Prevotella spp., in Clinical Samples from Dentoalveolar Infection by Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2006, 44, 172-176.	3.9	43
29	Surface modification of an experimental silicone rubber aimed at reducing initial candidal adhesion. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 122-128.	3.1	40
30	PCR Fingerprinting of Candida albicans Associated with Chronic Hyperplastic Candidosis and Other Oral Conditions. <i>Journal of Clinical Microbiology</i> , 2001, 39, 4066-4075.	3.9	39
31	Characterization of Candida albicans infection of an in vitro oral epithelial model using confocal laser scanning microscopy. <i>Oral Microbiology and Immunology</i> , 2007, 22, 188-194.	2.8	38
32	Characterisation of the inflammatory cell infiltrate in chronic hyperplastic candidosis of the oral mucosa. <i>Journal of Oral Pathology and Medicine</i> , 1997, 26, 83-89.	2.7	35
33	In vitro secreted aspartyl proteinase activity of Candida albicans isolated from oral diseases and healthy oral cavities. <i>Oral Microbiology and Immunology</i> , 2003, 18, 405-407.	2.8	33
34	Association of oral yeast carriage with specific host factors and altered mouth sensation. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 105, 445-451.	1.4	33
35	Antimicrobial activity of Citrox [®] bioflavonoid preparations against oral microorganisms. <i>British Dental Journal</i> , 2011, 210, E22-E22.	0.6	33
36	The visualisation and speed of kill of wound isolates on a silver alginate dressing. <i>International Wound Journal</i> , 2012, 9, 633-642.	2.9	27

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37	Methylcellulose Hydrogel with Melissa officinalis Essential Oil as a Potential Treatment for Oral Candidiasis. <i>Microorganisms</i> , 2020, 8, 215.	3.6	27
38	Proteinase Activity of Prevotella Species Associated with Oral Purulent Infection. <i>Current Microbiology</i> , 2006, 52, 375-378.	2.2	24
39	Strain persistence of invasive Candida albicans in chronic hyperplastic candidosis that underwent malignant change. <i>Gerodontology</i> , 2001, 18, 73-78.	2.0	23
40	Molecular characterization of clinical and environmental isolates of vancomycin-resistant Enterococcus faecium and Enterococcus faecalis from a teaching hospital in Wales. <i>Journal of Medical Microbiology</i> , 2003, 52, 821-827.	1.8	23
41	Role of Bacterial Lipopolysaccharide in Enhancing Host Immune Response to <i>Candida albicans</i> . <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-9.	3.3	22
42	The Role of the IL-12 Cytokine Family in Directing T-Cell Responses in Oral Candidosis. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-10.	3.3	21
43	Development of an "early warning" sensor for encrustation of urinary catheters following <i>Proteus</i> infection. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 133-137.	3.4	21
44	Microbial contamination of removable prosthodontic appliances from laboratories and impact of clinical storage. <i>British Dental Journal</i> , 2011, 211, 163-166.	0.6	20
45	Comparison of foam swabs and toothbrushes as oral hygiene interventions in mechanically ventilated patients: a randomised split mouth study. <i>BMJ Open Respiratory Research</i> , 2016, 3, e000150.	3.0	20
46	Specific protease activity indicates the degree of Pseudomonas aeruginosa infection in chronic infected wounds. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 2183-2189.	2.9	16
47	Reduced adherence of Candida to silane-treated silicone rubber. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 74B, 481-487.	3.4	13
48	An increased prevalence of β -lactamase-positive isolates in Japanese patients with dentoalveolar infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 708-709.	3.0	13
49	Pathogenesis and Virulence of Candida albicans and Candida glabrata. <i>Pathogens</i> , 2020, 9, 752.	2.8	13
50	Sex determination by PCR analysis of DNA extracted from incinerated, deciduous teeth. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2004, 44, 89-94.	2.1	11
51	Macrolides and community-acquired pneumonia: is quorum sensing the key?. <i>Critical Care</i> , 2010, 14, 181.	5.8	11
52	Bispecific Antibody-Mediated Detection of the Staphylococcus aureus Thermonuclease. <i>Analytical Chemistry</i> , 2012, 84, 5876-5884.	6.5	11
53	Oral care and pulmonary infection - the importance of plaque scoring. <i>Critical Care</i> , 2012, 17, 101.	5.8	10
54	A molecular epidemiological study of sequential oral isolates of Candida albicans from terminally ill patients. <i>Journal of Oral Pathology and Medicine</i> , 2001, 30, 206-212.	2.7	9

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55	Influence of extracellular matrix proteins in enhancing bacterial adhesion to titanium surfaces. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1319-1327.	3.4	9
56	Real-time monitoring of the adherence of Streptococcus anginosus group bacteria to extracellular matrix decorin and biglycan proteoglycans in biofilm formation. Research in Microbiology, 2012, 163, 436-447.	2.1	8
57	Summary of: A pilot study of bioaerosol reduction using an air cleaning system during dental procedures. British Dental Journal, 2010, 209, 408-409.	0.6	7
58	Efficacy of oral chlorhexidine in critical care. Critical Care, 2008, 12, 419.	5.8	5
59	Impact of poor dental health on pneumonia. European Respiratory Journal, 2008, 32, 1123-1124.	6.7	5
60	Role of Biofilms in the Oral Health of Animals. Springer Series on Biofilms, 2011, , 129-142.	0.1	2
61	Higher Number of EB13 Cells in Mucosal Chronic Hyperplastic Candidiasis May Serve to Regulate IL-17-Producing Cells. Journal of Fungi (Basel, Switzerland), 2021, 7, 533.	3.5	1
62	Introduction to Microbiology, Zoonoses and Antibiotics. Springer Series on Biofilms, 2011, , 1-39.	0.1	1