

# Julia R Davies

## List of Publications by Year in descending order

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65  
papers

2,730  
citations

226546

25  
h-index

190239

50  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3245  
citing authors

#	ARTICLE	IF	CITATIONS
1	MUC5B is a major gel-forming, oligomeric mucin from human salivary gland, respiratory tract and endocervix: identification of glycoforms and C-terminal cleavage. <i>Biochemical Journal</i> , 1998, 334, 685-693.	3.8	306
2	Different mucins are produced by the surface epithelium and the submucosa in human trachea: identification of MUC5AC as a major mucin from the goblet cells. <i>Biochemical Journal</i> , 1996, 318, 319-324.	3.8	281
3	MUC5AC, but not MUC2, is a prominent mucin in respiratory secretions. <i>Glycoconjugate Journal</i> , 1996, 13, 839-847.	2.7	221
4	COVID-19: The immediate response of european academic dental institutions and future implications for dental education. <i>European Journal of Dental Education</i> , 2020, 24, 811-814.	2.1	164
5	Studies on the "Insoluble" Glycoprotein Complex from Human Colon. <i>Journal of Biological Chemistry</i> , 1999, 274, 15828-15836.	3.5	138
6	Gastric MUC5AC and MUC6 are large oligomeric mucins that differ in size, glycosylation and tissue distribution. <i>Biochemical Journal</i> , 2002, 364, 191-200.	3.8	120
7	Identification of MUC5B, MUC5AC and small amounts of MUC2 mucins in cystic fibrosis airway secretions. <i>Biochemical Journal</i> , 1999, 344, 321-330.	3.8	105
8	Macromolecular organization of saliva: identification of "insoluble"™ MUC5B assemblies and non-mucin proteins in the gel phase. <i>Biochemical Journal</i> , 2000, 351, 421-428.	3.8	82
9	MUC16 is produced in tracheal surface epithelium and submucosal glands and is present in secretions from normal human airway and cultured bronchial epithelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1943-1954.	2.9	78
10	Identification of bacterial biofilm and the <i>Staphylococcus aureus</i> derived protease, staphopain, on the skin surface of patients with atopic dermatitis. <i>Scientific Reports</i> , 2017, 7, 8689.	3.4	76
11	Mucins in airway secretions from healthy and chronic bronchitic subjects. <i>Biochemical Journal</i> , 1996, 313, 431-439.	3.8	64
12	Mucus glycoproteins from pig gastric mucosa: identification of different mucin populations from the surface epithelium. <i>Biochemical Journal</i> , 1997, 326, 903-910.	3.8	59
13	Effect of nanoporous TiO <sub>2</sub> coating and anodized Ca <sup>2+</sup> modification of titanium surfaces on early microbial biofilm formation. <i>BMC Oral Health</i> , 2011, 11, 8.	2.3	57
14	Respiratory Tract Mucins: Structure and Expression Patterns. <i>Novartis Foundation Symposium</i> , 2008, , 76-93.	0.0	50
15	Role for the A Domain of Unprocessed Accumulation-Associated Protein (Aap) in the Attachment Phase of the <i>Staphylococcus epidermidis</i> Biofilm Phenotype. <i>Journal of Bacteriology</i> , 2014, 196, 4268-4275.	2.4	50
16	Identification of MUC5B, MUC5AC and small amounts of MUC2 mucins in cystic fibrosis airway secretions. <i>Biochemical Journal</i> , 1999, 344, 321.	3.8	46
17	Distribution of iodine 125 "labeled "1-microglobulin in rats after intravenous injection. <i>Translational Research</i> , 2001, 137, 165-175.	2.3	46
18	Release of Mucus Glycoconjugates by <i>Pseudomonas aeruginosa</i> Rhamnolipids into Feline Trachea <i>In Vivo</i> and Human Bronchus <i>In Vitro</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1992, 6, 116-122.	3.3	42

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19	Adherence of human oral keratinocytes and gingival fibroblasts to nano-structured titanium surfaces. BMC Oral Health, 2014, 14, 75.	2.3	42
20	Aspects on the Interaction of Streptococcus pneumoniae and Haemophilus influenzae with Human Respiratory Tract Mucosa. American Journal of Respiratory and Critical Care Medicine, 1996, 154, S187-S191.	6.6	41
21	Identification of novel LPXTG-linked surface proteins from Streptococcus gordonii. Microbiology (United Kingdom), 2009, 155, 1977-1988.	1.8	41
22	Macromolecular organization of saliva: identification of $\alpha$ -insoluble <sup>TM</sup> MUC5B assemblies and non-mucin proteins in the gel phase. Biochemical Journal, 2000, 351, 421.	3.8	38
23	Effects of saliva or serum coating on adherence of Streptococcus oralis strains to titanium. Microbiology (United Kingdom), 2012, 158, 390-397.	1.8	36
24	Differential effects of <i>Pseudomonas aeruginosa</i> on biofilm formation by different strains of <i>Staphylococcus epidermidis</i> . FEMS Immunology and Medical Microbiology, 2010, 59, 439-446.	2.6	29
25	Effects of clinical isolates of <i>Pseudomonas aeruginosa</i> on <i>Staphylococcus epidermidis</i> biofilm formation. FEMS Immunology and Medical Microbiology, 2010, 59, 504-512.	2.6	28
26	Acid tolerance in early colonizers of oral biofilms. BMC Microbiology, 2021, 21, 45.	3.4	28
27	Parvimonas micra stimulates expression of gingipains from Porphyromonas gingivalis in multi-species communities. Anaerobe, 2019, 55, 54-60.	2.2	27
28	Gel-Forming and Cell-Associated Mucins: Preparation for Structural and Functional Studies. Methods in Molecular Biology, 2012, 842, 27-47.	0.0	25
29	Crystalline anatase-rich titanium can reduce adherence of oral streptococci. Biofouling, 2014, 30, 751-759.	2.2	25
30	The effect of tobacco smoke upon airway secretion in the cat. Clinical Science, 1986, 71, 179-187.	4.3	23
31	Mucus glycoproteins from pig gastric mucosa: different mucins are produced by the surface epithelium and the glands. Biochemical Journal, 1998, 331, 687-694.	3.8	23
32	Bacteria on Catheters in Patients Undergoing Peritoneal Dialysis. Peritoneal Dialysis International, 2013, 33, 51-59.	2.7	23
33	A randomized, controlled, clinical study on a new titanium oxide abutment surface for improved healing and soft tissue health. Clinical Implant Dentistry and Related Research, 2019, 21, 55-68.	3.6	23
34	Modified lipoproteins in periodontitis: a link to cardiovascular disease?. Bioscience Reports, 2019, 39, .	2.7	21
35	Surface-associated MUC5B mucins promote protease activity in Lactobacillus fermentum biofilms. BMC Oral Health, 2013, 13, 43.	2.3	18
36	Salivary pellicles on titanium and their effect on metabolic activity in Streptococcus oralis. BMC Oral Health, 2013, 13, 32.	2.3	18

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37	Biofilm formation by <i>Staphylococcus epidermidis</i> on peritoneal dialysis catheters and the effects of extracellular products from <i>Pseudomonas aeruginosa</i> . <i>Pathogens and Disease</i> , 2013, 67, 192-198.	2.0	17
38	<i>Streptococcus gordonii</i> Type I Lipoteichoic Acid Contributes to Surface Protein Biogenesis. <i>MSphere</i> , 2019, 4, .	3.1	16
39	Titanium granules pre-treated with hydrogen peroxide inhibit growth of bacteria associated with post-operative infections in spine surgery. <i>European Spine Journal</i> , 2018, 27, 2463-2468.	2.3	14
40	Effect of Fluoride and Chlorhexidine Digluconate Mouthrinses on Plaque Biofilms. <i>Open Dentistry Journal</i> , 2015, 9, 106-111.	0.5	14
41	Biosynthesis of mucins in bovine trachea: identification of the major radiolabelled species. <i>Biochemical Journal</i> , 1998, 333, 449-456.	3.8	13
42	Oâ€œHEALTHâ€œEDU: A scoping review on the reporting of oral health professional education in Europe. <i>European Journal of Dental Education</i> , 2021, 25, 56-77.	2.1	13
43	Human gastric mucins - a major population identified as MUC5. <i>Biochemical Society Transactions</i> , 1995, 23, 533S-533S.	3.4	12
44	Mucin biosynthesis and secretion in tracheal epithelial cells in primary culture. <i>Biochemical Journal</i> , 2001, 353, 23-32.	3.8	12
45	pH-dependent binding of <i>Helicobacter pylori</i> to pig gastric mucins. <i>FEMS Immunology and Medical Microbiology</i> , 1999, 24, 175-181.	2.6	11
46	Structural and Functional Analysis of the N-terminal Domain of the <i>Streptococcus gordonii</i> Adhesin Sgo0707. <i>PLoS ONE</i> , 2013, 8, e63768.	2.5	11
47	The effect of delmopinol and fluoride on acid adaptation and acid production in dental plaque biofilms. <i>Archives of Oral Biology</i> , 2014, 59, 318-323.	1.9	11
48	Bactericidal effect of photocatalytically active nanostructured TiO <sub>2</sub> surfaces on biofilms of the early oral colonizer, <i>Streptococcus oralis</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2321-2328.	4.1	11
49	Mucus glycoproteins in bovine trachea: identification of the major mucin populations in respiratory secretions and investigation of their tissue origins. <i>Biochemical Journal</i> , 1997, 321, 117-124.	3.8	9
50	ARTICULATE: A European glossary of terms used in oral health professional education. <i>European Journal of Dental Education</i> , 2023, 27, 209-222.	2.1	7
51	<scp>Oâ€œHealthâ€œEdu</scp>: A vision for oral health professional education in Europe. <i>European Journal of Dental Education</i> , 2023, 27, 382-387.	2.1	7
52	Modulation of the nanometer pore size improves magnesium adsorption into mesoporous titania coatings and promotes bone morphogenic protein 4 expression in adhering osteoblasts. <i>Dental Materials</i> , 2016, 32, e148-e158.	3.5	6
53	Polymicrobial synergy stimulates <i>Porphyromonas gingivalis</i> survival and gingipain expression in a multi-species subgingival community. <i>BMC Oral Health</i> , 2021, 21, 639.	2.3	6
54	Bacterial colonization of a powerâ€œdriven water flosser during regular use. A proofâ€œofâ€œprinciple study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 656-663.	1.9	5

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55	Human tracheal mucins“ is MUC5 more prominent in the epithelial surface than in the submucosa?. Biochemical Society Transactions, 1995, 23, 534S-534S.	3.4	4
56	Exogenous LL-37 but not homogenates of desquamated oral epithelial cells shows activity against <i>Streptococcus mutans</i> . Acta Odontologica Scandinavica, 2021, 79, 466-472.	1.6	4
57	Structure and Biochemistry of Human Respiratory Mucins. , 1997, , 19-39.		4
58	Mucin biosynthesis and secretion in tracheal epithelial cells in primary culture. Biochemical Journal, 2000, 353, 23.	3.8	3
59	Streptococcus gordonii Poised for Glycan Feeding through a MUC5B-Discriminating, Lipoteichoic Acid-Mediated Outside-In Signaling Circuit. Journal of Bacteriology, 0, , .	2.4	3
60	Characterization of core polypeptides of human bronchial mucins. Biochemical Society Transactions, 1986, 14, 114-115.	3.4	2
61	Limosilactobacillus reuteri inhibits the acid tolerance response in oral bacteria. Biofilm, 2023, 6, 100136.	3.9	2
62	<sc>Oâ€HEALTHâ€EDU</sc>: A viewpoint into the current state of Oral Health Professional education in Europe: Part 1: Programmeâ€Level data. European Journal of Dental Education, 2024, 28, 591-606.	2.1	1
63	<sc>Oâ€Healthâ€Edu</sc>: A viewpoint into the current state of oral health professional education in Europe: Part 2: Curriculum structure, facilities, staffing and quality assurance. European Journal of Dental Education, 2024, 28, 607-620.	2.1	1
64	A novel multiplex fluorescent-labeling method for the visualization of mixed-species biofilms <i>in vitro</i> . Microbiology Spectrum, 2024, 12, .	3.0	0
65	Graduating European Dentist Curriculum DomainÂV:ÂResearch. European Journal of Dental Education, 0, , .	2.1	0