

Joanna Verran

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,036
citations

304602

22
h-index

254106

43
g-index

77
all docs

77
docs citations

77
times ranked

2537
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Retention of <i>Candida albicans</i> on acrylic resin and silicone of different surface topography. <i>Journal of Prosthetic Dentistry</i> , 1997, 77, 535-539. | 1.1 | 293 |
| 2 | Retention of microbial cells in substratum surface features of micrometer and sub-micrometer dimensions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 129-138. | 2.5 | 263 |
| 3 | Use of the atomic force microscope to determine the effect of substratum surface topography on the ease of bacterial removal. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 51, 44-53. | 2.5 | 121 |
| 4 | Colonization and penetration of denture soft lining materials by <i>Candida albicans</i> . <i>Dental Materials</i> , 2004, 20, 167-175. | 1.6 | 110 |
| 5 | Highly efficient photocatalytic bismuth oxide coatings and their antimicrobial properties under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 223-232. | 10.8 | 70 |
| 6 | Antifungal Activity of Commercial Essential Oils and Biocides against <i>Candida Albicans</i> . <i>Pathogens</i> , 2018, 7, 15. | 1.2 | 66 |
| 7 | Biofilm development by blastospores and hyphae of <i>Candida albicans</i> on abraded denture acrylic resin surfaces. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 988-993. | 1.1 | 55 |
| 8 | Formation, architecture and functionality of microbial biofilms in the food industry. <i>Current Opinion in Food Science</i> , 2015, 2, 84-91. | 4.1 | 53 |
| 9 | The effect of surface properties and application method on the retention of <i>Pseudomonas aeruginosa</i> on uncoated and titanium-coated stainless steel. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 74-80. | 1.9 | 47 |
| 10 | The effect of dentifrice abrasion on denture topography and the subsequent retention of microorganisms on abraded surfaces. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1513-1522. | 1.1 | 46 |
| 11 | Chapter 8 Microbial Retention on Open Food Contact Surfaces and Implications for Food Contamination. <i>Advances in Applied Microbiology</i> , 2008, 64, 223-246. | 1.3 | 41 |
| 12 | Toxicity and Antimicrobial Properties of ZnO@ZIF-8 Embedded Silicone against Planktonic and Biofilm Catheter-Associated Pathogens. <i>ACS Applied Nano Materials</i> , 2018, 1, 1657-1665. | 2.4 | 41 |
| 13 | Microbiological and Chemical Analyses of Stainless Steel and Ceramics Subjected to Repeated Soiling and Cleaning Treatments. <i>Journal of Food Protection</i> , 2001, 64, 1377-1387. | 0.8 | 36 |
| 14 | A selective medium for isolation and accurate enumeration of <i>Lactobacillus casei</i> -group members in probiotic milks and dairy products. <i>International Dairy Journal</i> , 2015, 47, 27-36. | 1.5 | 34 |
| 15 | Structural Formation and Photocatalytic Activity of Magnetron Sputtered Titania and Doped-Titania Coatings. <i>Molecules</i> , 2014, 19, 16327-16348. | 1.7 | 33 |
| 16 | Micron- and nanosized FAU-type zeolites from fly ash for antibacterial applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 16897. | 6.7 | 32 |
| 17 | The antimicrobial effect of metal substrates on food pathogens. <i>Food and Bioprocess Technology</i> , 2019, 113, 68-76. | 1.8 | 32 |
| 18 | The detection and influence of food soils on microorganisms on stainless steel using scanning electron microscopy and epifluorescence microscopy. <i>International Journal of Food Microbiology</i> , 2010, 141, S125-S133. | 2.1 | 29 |

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|----|--|-----|-----------|
| 19 | Quantifying the pattern of microbial cell dispersion, density and clustering on surfaces of differing chemistries and topographies using multifractal analysis. <i>Journal of Microbiological Methods</i> , 2014, 104, 101-108. | 0.7 | 27 |
| 20 | Methylcellulose Hydrogel with Melissa officinalis Essential Oil as a Potential Treatment for Oral Candidiasis. <i>Microorganisms</i> , 2020, 8, 215. | 1.6 | 27 |
| 21 | Zeolite-embedded silver extends antimicrobial activity of dental acrylics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 52-57. | 2.5 | 24 |
| 22 | How Do We Determine the Efficacy of an Antibacterial Surface? A Review of Standardised Antibacterial Material Testing Methods. <i>Antibiotics</i> , 2021, 10, 1069. | 1.5 | 24 |
| 23 | Titanium-coating of stainless steel as an aid to improved cleanability. <i>International Journal of Food Microbiology</i> , 2010, 141, S134-S139. | 2.1 | 23 |
| 24 | The effect of a commercial probiotic drink containing <i>Lactobacillus casei</i> strain Shirota on oral health in healthy dentate people. <i>Microbial Ecology in Health and Disease</i> , 2013, 24, . | 3.8 | 23 |
| 25 | Antimicrobial Activity of Nanocomposite Zirconium Nitride/Silver Coatings to Combat External Bone Fixation Pin Infections. <i>International Journal of Artificial Organs</i> , 2012, 35, 817-825. | 0.7 | 22 |
| 26 | The effect of surface properties of polycrystalline, single phase metal coatings on bacterial retention. <i>International Journal of Food Microbiology</i> , 2015, 197, 92-97. | 2.1 | 22 |
| 27 | Silver zeolite-loaded silicone elastomers: a multidisciplinary approach to synthesis and antimicrobial assessment. <i>RSC Advances</i> , 2015, 5, 40932-40939. | 1.7 | 21 |
| 28 | Raising awareness of antimicrobial resistance among the general public in the UK: the role of public engagement activities. <i>JAC-Antimicrobial Resistance</i> , 2020, 2, dlaa012. | 0.9 | 21 |
| 29 | The Effect of Surface Hydrophobicity on the Attachment of Fungal Conidia to Substrates of Polyvinyl Acetate and Polyvinyl Alcohol. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1450-1464. | 2.4 | 20 |
| 30 | Culture media for differential isolation of <i>Lactobacillus casei</i> Shirota from oral samples. <i>Journal of Microbiological Methods</i> , 2012, 90, 65-71. | 0.7 | 19 |
| 31 | <i>In vitro</i> colonization of an experimental silicone by <i>Candida albicans</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 226-235. | 1.6 | 18 |
| 32 | Practical microbiology in schools: a survey of UK teachers. <i>Trends in Microbiology</i> , 2013, 21, 557-559. | 3.5 | 18 |
| 33 | A comparative study of fine polished stainless steel, TiN and TiN/Ag surfaces: Adhesion and attachment strength of <i>Listeria monocytogenes</i> as well as anti-listerial effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 190-196. | 2.5 | 18 |
| 34 | Photocatalytic TiO ₂ and Doped TiO ₂ Coatings to Improve the Hygiene of Surfaces Used in Food and Beverage Processing – A Study of the Physical and Chemical Resistance of the Coatings. <i>Coatings</i> , 2014, 4, 433-449. | 1.2 | 17 |
| 35 | Environmental and Experimental Factors Affecting Efficacy Testing of Nonporous Plastic Antimicrobial Surfaces. <i>Methods and Protocols</i> , 2018, 1, 36. | 0.9 | 17 |
| 36 | The effects of blood conditioning films on the antimicrobial and retention properties of zirconium-nitride silver surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 303-311. | 2.5 | 17 |

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|----|--|-----|-----------|
| 37 | Differential fluorescent staining of <i>Listeria monocytogenes</i> and a whey food soil for quantitative analysis of surface hygiene. <i>International Journal of Food Microbiology</i> , 2009, 135, 75-80. | 2.1 | 16 |
| 38 | The effect of surface properties on the strength of attachment of fungal spores using AFM perpendicular force measurements. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 483-489. | 2.5 | 16 |
| 39 | The effect of a commercial probiotic drink on oral microbiota in healthy complete denture wearers. <i>Microbial Ecology in Health and Disease</i> , 2012, 23, . | 3.8 | 15 |
| 40 | Identification of microbial volatile organic compounds (MVOCs) emitted from fungal isolates found on cinematographic film. <i>Analytical Methods</i> , 2012, 4, 1265. | 1.3 | 15 |
| 41 | Microbial populations on brewery filling hall surfaces – Progress towards functional coatings. <i>Food Control</i> , 2015, 55, 1-11. | 2.8 | 15 |
| 42 | Counts of fungal spores released during inspection of mouldy cinematographic film and determination of the gelatinolytic activity of predominant isolates. <i>International Biodeterioration and Biodegradation</i> , 2013, 84, 381-387. | 1.9 | 14 |
| 43 | Visualization and measurement of nanometer dimension surface features using dental impression materials and atomic force microscopy. <i>International Biodeterioration and Biodegradation</i> , 2003, 51, 221-228. | 1.9 | 12 |
| 44 | Biofilm associated genotypes of multiple antibiotic resistant <i>Pseudomonas aeruginosa</i> . <i>BMC Genomics</i> , 2021, 22, 572. | 1.2 | 11 |
| 45 | Encouraging creativity and employability skills in undergraduate microbiologists. <i>Trends in Microbiology</i> , 2010, 18, 56-58. | 3.5 | 10 |
| 46 | Transforming a school learning exercise into a public engagement event: –The Good, the Bad and The Algae™. <i>Journal of Biological Education</i> , 2013, 47, 246-252. | 0.8 | 10 |
| 47 | A student-centred learning project: the production of leaflets for –live™ clients. <i>Journal of Biological Education</i> , 1992, 26, 135-138. | 0.8 | 9 |
| 48 | Refreshing the public appetite for –good bacteria™: menus made by microbes. <i>Journal of Biological Education</i> , 2019, 53, 34-46. | 0.8 | 8 |
| 49 | Surface topography and physicochemistry of silver containing titanium nitride nanocomposite coatings. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 180-187. | 0.6 | 7 |
| 50 | The Bad Bugs Book Club: Science, Literacy, and Engagement. <i>Journal of Microbiology and Biology Education</i> , 2013, 14, 110-112. | 0.5 | 7 |
| 51 | The effect of the surface properties of poly(methyl methacrylate) on the attachment, adhesion and retention of fungal conidia. <i>AIMS Bioengineering</i> , 2020, 7, 165-178. | 0.6 | 7 |
| 52 | Poster design by microbiology students. <i>Journal of Biological Education</i> , 1993, 27, 291-294. | 0.8 | 6 |
| 53 | What does the UK public want from academic science communication?. <i>F1000Research</i> , 2016, 5, 1261. | 0.8 | 6 |
| 54 | Developing microbiological learning materials for schools: best practice. <i>FEMS Microbiology Letters</i> , 2015, 362, . | 0.7 | 5 |

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|----|--|-----|-----------|
| 55 | What is a microbiologist? A survey exploring the microbiology workforce. FEMS Microbiology Letters, 2015, 362, fnv208. | 0.7 | 5 |
| 56 | Emerging Infectious Literatures and the Zombie Condition. Emerging Infectious Diseases, 2018, 24, 1774-1778. | 2.0 | 5 |
| 57 | Development of a rapid method for assessing the efficacy of antibacterial photocatalytic coatings. Talanta, 2021, 225, 122009. | 2.9 | 5 |
| 58 | Diverse surface properties reveal that substratum roughness affects fungal spore binding. IScience, 2021, 24, 102333. | 1.9 | 5 |
| 59 | Use of novel culture media to indicate alkaligenic properties of dental plaque. Microbial Ecology in Health and Disease, 2004, 16, 44-50. | 3.8 | 4 |
| 60 | The Microbial Contamination of Mobile Communication Devices. Journal of Microbiology and Biology Education, 2012, 13, 59-61. | 0.5 | 4 |
| 61 | The Removal of Meat Exudate and Escherichia coli from Stainless Steel and Titanium Surfaces with Irregular and Regular Linear Topographies. International Journal of Environmental Research and Public Health, 2021, 18, 3198. | 1.2 | 4 |
| 62 | Visible light photocatalytic bismuth oxide coatings are effective at suppressing aquatic cyanobacteria and degrading free-floating genomic DNA. Journal of Environmental Sciences, 2021, 104, 128-136. | 3.2 | 4 |
| 63 | The Use of a Bookclub to Enhance Science Literacy and Understanding of Infectious Disease Epidemiology. , 2019, , 129-157. | | 4 |
| 64 | Reproducibility of Bacterial Cellulose Nanofibers Over Sub-Cultured Generations for the Development of Novel Textiles. Frontiers in Bioengineering and Biotechnology, 2022, 10, 876822. | 2.0 | 4 |
| 65 | A clinical study on the effect of the prebiotic inulin in the control of oral malodour. Microbial Ecology in Health and Disease, 2007, 19, 158-163. | 3.8 | 3 |
| 66 | A clinical study on the antimicrobial and breath-freshening effect of zinc-containing lozenge formulations. Microbial Ecology in Health and Disease, 2007, 19, 164-170. | 3.8 | 3 |
| 67 | Biofilm Control Strategies: Engaging with the Public. Antibiotics, 2020, 9, 465. | 1.5 | 3 |
| 68 | Mixed cultures: microbiology, art and literature. , 2013, , 21-28. | | 3 |
| 69 | Microbiological hazard analysis in dental technology laboratories. European journal of prosthodontics and restorative dentistry, The, 2004, 12, 115-20. | 0.3 | 3 |
| 70 | Mixed culture: encouraging cross-disciplinary collaboration and communication to enhance learning. Annals of Microbiology, 2019, 69, 1107-1111. | 1.1 | 2 |
| 71 | Using fiction to engage audiences with infectious disease: the effect of the coronavirus pandemic on participation in the Bad Bugs Bookclub. FEMS Microbiology Letters, 2021, 368, . | 0.7 | 2 |
| 72 | Analysis of university student responses to the pandemic in a formal microbiology assessment. FEMS Microbiology Letters, 2021, 368, . | 0.7 | 2 |

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|----|--|-----|-----------|
| 73 | Multifractal Analysis to Determine the Effect of Surface Topography on the Distribution, Density, Dispersion and Clustering of Differently Organised Coccal-Shaped Bacteria. <i>Antibiotics</i> , 2022, 11, 551. | 1.5 | 2 |
| 74 | “Life after last orders”™: microbiology as a career. <i>Journal of Biological Education</i> , 2004, 38, 194-195. | 0.8 | 0 |
| 75 | Use of spherical particles to understand conidial attachment to surfaces using atomic force microscopy. <i>IScience</i> , 2021, 24, 101962. | 1.9 | 0 |
| 76 | Communication in the Biosciences. , 0, , 213-233. | | 0 |
| 77 | Who inspired my thinking? “ The co-factor: conversation, collaboration, co-production. <i>Research for All</i> , 2020, 4, . | 0.1 | 0 |