# Mark Duncan Perry Willcox

List of Publications by Year
in descending order



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|---|---|---|---|
| 447 papers | 18,240 citations | 22548 61 h-index | 37326 100 g-index |
| 456 all docs | 456 docs citations | 456 times ranked | 14618 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Longevity of hand sanitisers on fingers. Australasian journal of optometry, The, 2023, 106, 436-442. | 0.6 | 0 |
| 2 | Ocular microbiota and lens contamination following Mel4 peptide-coated antimicrobial contact lens (MACL) extended wear. Contact Lens and Anterior Eye, 2022, 45, 101431. | 0.8 | 9 |
| 3 | Differential gene expression of the healthy conjunctiva during the day. Contact Lens and Anterior Eye, 2022, 45, 101494. | 0.8 | 4 |
| 4 | Antiviral effect of multipurpose contact lens disinfecting solutions against coronavirus. Contact Lens and Anterior Eye, 2022, 45, 101513. | 0.8 | 8 |
| 5 | All soft contact lenses are not created equal. Contact Lens and Anterior Eye, 2022, 45, 101515. | 0.8 | 10 |
| 6 | The ability of face masks to reduce transmission of microbes. Australasian journal of optometry, The, 2022, 105, 214-221. | 0.6 | 3 |
| 7 | Human meibomian gland epithelial cell culture models: Current progress, challenges, and future directions. Ocular Surface, 2022, 23, 96-113. | 2.2 | 7 |
| 8 | Biocompatibility and Comfort during Extended Wear of Mel4 Peptide-Coated Antimicrobial Contact Lenses. Antibiotics, 2022, 11, 58. | 1.5 | 2 |
| 9 | In vitro and in vivo evaluation of cyclosporine-graphene oxide laden hydrogel contact lenses. International Journal of Pharmaceutics, 2022, 613, 121414. | 2.6 | 11 |
| 10 | Timolol-eluting graphene oxide laden silicone contact lens: Control release profile with improved critical lens properties. Journal of Drug Delivery Science and Technology, 2022, 69, 103134. | 1.4 | 5 |
| 11 | Halogenated Dihydropyrrol-2-One Molecules Inhibit Pyocyanin Biosynthesis by Blocking the Pseudomonas Quinolone Signaling System. Molecules, 2022, 27, 1169. | 1.7 | 8 |
| 12 | Tear film and ocular surface neuropeptides: Characteristics, synthesis, signaling and implications for ocular surface and systemic diseases. Experimental Eye Research, 2022, 218, 108973. | 1.2 | 12 |
| 13 | Ability of Essential Oil Vapours to Reduce Numbers of Culturable Aerosolised Coronavirus, Bacteria and Fungi. Antibiotics, 2022, 11, 393. | 1.5 | 6 |
| 14 | Bioinspired Polydopamine Coatings Facilitate Attachment of Antimicrobial Peptidomimetics with Broad-Spectrum Antibacterial Activity. International Journal of Molecular Sciences, 2022, 23, 2952. | 1.8 | 7 |
| 15 | Characterisation of Bacteriophage vB_SmaM_Ps15 Infective to Stenotrophomonas maltophilia Clinical Ocular Isolates. Viruses, 2022, 14, 709. | 1.5 | 0 |
| 16 | The Possible Role of Prion-Like Viral Protein Domains on the Emergence of Novel Viruses as SARS-CoV-2. Journal of Molecular Evolution, 2022, 90, 227-230. | 0.8 | 6 |
| 17 | Cholic Acid-Based Antimicrobial Peptide Mimics as Antibacterial Agents. International Journal of Molecular Sciences, 2022, 23, 4623. | 1.8 | 6 |
| 18 | A comparative analysis of the cephalic microbiome: The ocular, aural, nasal/nasopharyngeal, oral and facial dermal niches. Experimental Eye Research, 2022, 220, 109130. | 1.2 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Feasibility of Silicon Quantum Dots as a Biomarker for the Bioimaging of Tear Film. Nanomaterials, 2022, 12, 1965. | 1.9 | 6 |
| 20 | Virulence Genes of Staphylococcus aureus Associated With Keratitis, Conjunctivitis, and Contact Lensâ€“Associated Inflammation. Translational Vision Science and Technology, 2022, 11, 5. | 1.1 | 6 |
| 21 | Bacterial contamination of intravitreal needles by the ocular surface microbiome. Ocular Surface, 2021, 19, 169-175. | 2.2 | 8 |
| 22 | Toll-like receptor gene polymorphisms in patients with keratitis. Contact Lens and Anterior Eye, 2021, 44, 101352. | 0.8 | 4 |
| 23 | Antimicrobial resistance of ocular microbes and the role of antimicrobial peptides. Australasian journal of optometry, The, 2021, 104, 295-307. | 0.6 | 11 |
| 24 | Effect of hydrothermal hot-compression method on the antimicrobial performance of green building materials from heterogeneous cellulose wastes. Journal of Cleaner Production, 2021, 280, 124377. | 4.6 | 8 |
| 25 | A Systematic Review of Intracellular Microorganisms within Acanthamoeba to Understand Potential Impact for Infection. Pathogens, 2021, 10, 225. | 1.2 | 41 |
| 26 | American Academy of Optometry Microbial Keratitis Think Tank. Optometry and Vision Science, 2021, 98, 182-198. | 0.6 | 19 |
| 27 | Novel Seleno- and Thio-Urea Containing Dihydropyrrol-2-One Analogues as Antibacterial Agents. Antibiotics, 2021, 10, 321. | 1.5 | 12 |
| 28 | BCLA CLEAR - Effect of contact lens materials and designs on the anatomy and physiology of the eye. Contact Lens and Anterior Eye, 2021, 44, 192-219. | 0.8 | 31 |
| 29 | BCLA CLEAR - Contact lens wettability, cleaning, disinfection and interactions with tears. Contact Lens and Anterior Eye, 2021, 44, 157-191. | 0.8 | 41 |
| 30 | Contact Lens Evidence-Based Academic Reports (CLEAR). Contact Lens and Anterior Eye, 2021, 44, 129-131. | 0.8 | 12 |
| 31 | Development of antibiotic resistance in the ocular Pseudomonas aeruginosa clone ST308 over twenty years. Experimental Eye Research, 2021, 205, 108504. | 1.2 | 8 |
| 32 | BCLA CLEAR â€“ Contact lens technologies of the future. Contact Lens and Anterior Eye, 2021, 44, 398-430. | 0.8 | 47 |
| 33 | Effect of Hygiene Procedures on Lens Case Contamination with Povidone-Iodine or Multipurpose Disinfecting Solutions. Optometry and Vision Science, 2021, 98, 563-569. | 0.6 | 4 |
| 34 | Effect of Antimicrobial Contact Lenses on Corneal Infiltrative Events: A Randomized Clinical Trial. Translational Vision Science and Technology, 2021, 10, 32. | 1.1 | 13 |
| 35 | Profiling of non-polar lipids in tears of contact lens wearers during the day. Experimental Eye Research, 2021, 207, 108567. | 1.2 | 4 |
| 36 | Comparative analysis of ocular surface tissue microbiome in human, mouse, rabbit, and guinea pig. Experimental Eye Research, 2021, 207, 108609. | 1.2 | 7 |

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| 37 | The Autofluorescence Patterns of Acanthamoeba castellanii, Pseudomonas aeruginosa and Staphylococcus aureus: Effects of Antibiotics and Tetracaine. Pathogens, 2021, 10, 894. | 1.2 | 2 |
| 38 | Polyphenylglyoxamide-Based Amphiphilic Small Molecular Peptidomimetics as Antibacterial Agents with Anti-Biofilm Activity. International Journal of Molecular Sciences, 2021, 22, 7344. | 1.8 | 6 |
| 39 | The role of nitric oxide in ocular surface physiology and pathophysiology. Ocular Surface, 2021, 21, 37-51. | 2.2 | 15 |
| 40 | Acanthamoeba keratitis: an increasingly common infectious disease of the cornea. Lancet Microbe, The, 2021, 2, e345-e346. | 3.4 | 23 |
| 41 | Graphene- and Nanoparticle-Embedded Antimicrobial and Biocompatible Cotton/Silk Fabrics for Protective Clothing. ACS Applied Bio Materials, 2021, 4, 6175-6185. | 2.3 | 39 |
| 42 | Enhancement of Antibiofilm Activity of Ciprofloxacin against Staphylococcus aureus by Administration of Antimicrobial Peptides. Antibiotics, 2021, 10, 1159. | 1.5 | 10 |
| 43 | Semi-quantification of lipids in human meibomian gland epithelial cells using dual staining microplate assays. Experimental Eye Research, 2021, 210, 108719. | 1.2 | 4 |
| 44 | Inhibition of S.â€...aureus Infection of Human Umbilical Vein Endothelial Cells (HUVECs) by Trehaloseâ€•and Glucoseâ€Functionalized Gold Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 22652-22658. | 7.2 | 11 |
| 45 | Inhibition of S.â€...aureus Infection of Human Umbilical Vein Endothelial Cells (HUVECs) by Trehaloseâ€•and Glucoseâ€Functionalized Gold Nanoparticles. Angewandte Chemie, 2021, 133, 22834. | 1.6 | 1 |
| 46 | Advances and challenges in the nanoparticles-laden contact lenses for ocular drug delivery. International Journal of Pharmaceutics, 2021, 608, 121090. | 2.6 | 27 |
| 47 | Recent advances in ophthalmic preparations: Ocular barriers, dosage forms and routes of administration. International Journal of Pharmaceutics, 2021, 608, 121105. | 2.6 | 32 |
| 48 | Controlled bimatoprost release from graphene oxide laden contact lenses: In vitro and in vivo studies. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112096. | 2.5 | 16 |
| 49 | Risk Factors for Contact Lensâ€"Related Microbial Keratitis and Associated Vision Loss in a South Indian Population. Eye and Contact Lens, 2021, 47, 118-126. | 0.8 | 8 |
| 50 | Susceptibility of Ocular Staphylococcus aureus to Antibiotics and Multipurpose Disinfecting Solutions. Antibiotics, 2021, 10, 1203. | 1.5 | 11 |
| 51 | A method for studying lipid adsorption to silicone hydrogel contact lenses. Biofouling, 2021, 37, 862-878. | 0.8 | 3 |
| 52 | The Effect of Age, Gender and Body Mass Index on Tear Film Neuromediators and Corneal Nerves. Current Eye Research, 2020, 45, 411-418. | 0.7 | 14 |
| 53 | Antibiotics and Microbial Keratitis: Do We Need to Test for Resistance?. Eye and Contact Lens, 2020, 46, 1-2. | 0.8 | 2 |
| 54 | A Comparative Study on the Diagnostic Utility of Corneal Confocal Microscopy and Tear Neuromediator Levels in Diabetic Peripheral Neuropathy. Current Eye Research, 2020, 45, 921-930. | 0.7 | 14 |

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|---|---|---|---|
| 55 | Effect of Eyelid Treatments on Bacterial Load and Lipase Activity in Relation to Contact Lens Discomfort. Eye and Contact Lens, 2020, 46, 245-253. | 0.8 | 10 |
| 56 | Bacterial biofilm in silver-impregnated contact lens cases. Contact Lens and Anterior Eye, 2020, 43, 408-412. | 0.8 | 5 |
| 57 | The Antimicrobial Activity of Multipurpose Disinfecting Solutions in the Presence of Different Organic Soils. Eye and Contact Lens, 2020, 46, 201-207. | 0.8 | 7 |
| 58 | A New Era of Antibiotics: The Clinical Potential of Antimicrobial Peptides. International Journal of Molecular Sciences, 2020, 21, 7047. | 1.8 | 235 |
| 59 | Immuno-pathogenesis of nCOVID-19 and a possible host-directed therapy including anti-inflammatory and anti-viral prostaglandin (PG J2) for effective treatment and reduction in the death toll. Medical Hypotheses, 2020, 143, 110080. | 0.8 | 3 |
| 60 | Interaction of the surface bound antimicrobial peptides melimineÂand Mel4 with Staphylococcus aureus. Biofouling, 2020, 36, 1-12. | 0.8 | 8 |
| 61 | Hybrid engineered dental composites by multiscale reinforcements with chitosan-integrated halloysite nanotubes and S-glass fibers. Composites Part B: Engineering, 2020, 202, 108448. | 5.9 | 19 |
| 62 | Polyâ€îµâ€Lysine or Mel4 Antimicrobial Surface Modification on a Novel Peptide Hydrogel Bandage Contact Lens. Advanced Materials Interfaces, 2020, 7, 2001232. | 1.9 | 9 |
| 63 | Design, Synthesis and Biological Evaluation of Biphenylglyoxamide-Based Small Molecular Antimicrobial Peptide Mimics as Antibacterial Agents. International Journal of Molecular Sciences, 2020, 21, 6789. | 1.8 | 10 |
| 64 | Activity of Antimicrobial Peptides and Ciprofloxacin against Pseudomonas aeruginosa Biofilms. Molecules, 2020, 25, 3843. | 1.7 | 23 |
| 65 | Antibiotic Resistance Characteristics of Pseudomonas aeruginosa Isolated from Keratitis in Australia and India. Antibiotics, 2020, 9, 600. | 1.5 | 26 |
| 66 | Investigating Domestic Shower Settings as a Risk Factor for Acanthamoeba Keratitis. Water (Switzerland), 2020, 12, 3493. | 1.2 | 4 |
| 67 | Acquired fluoroquinolone resistance genes in corneal isolates of Pseudomonas aeruginosa. Infection, Genetics and Evolution, 2020, 85, 104574. | 1.0 | 19 |
| 68 | Susceptibility of Contact Lens-RelatedPseudomonas aeruginosaKeratitis Isolates to Multipurpose Disinfecting Solutions, Disinfectants, and Antibiotics. Translational Vision Science and Technology, 2020, 9, 2. | 1.1 | 12 |
| 69 | The ocular surface, coronaviruses and COVIDâ€19. Australasian journal of optometry, The, 2020, 103, 418-424. | 0.6 | 75 |
| 70 | TFOS European Ambassador meeting: Unmet needs and future scientific and clinical solutions for ocular surface diseases. Ocular Surface, 2020, 18, 936-962. | 2.2 | 11 |
| 71 | Multifunctional marine bio-additive with synergistic effect for non-toxic flame-retardancy and anti-microbial performance. Sustainable Materials and Technologies, 2020, 25, e00199. | 1.7 | 3 |
| 72 | Active loading graphite/hydroxyapatite into the stable hydroxyethyl cellulose scaffold nanofibers for artificial cornea application. Cellulose, 2020, 27, 3319-3334. | 2.4 | 15 |

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| 73 | The COVID-19 pandemic: Important considerations for contact lens practitioners. Contact Lens and Anterior Eye, 2020, 43, 196-203. | 0.8 | 80 |
| 74 | Thirty years of â€˜quiet eyeâ€™ with etafilcon A contact lenses. Contact Lens and Anterior Eye, 2020, 43, 285-297. | 0.8 | 24 |
| 75 | The role of staphopain a in Staphylococcus aureus keratitis. Experimental Eye Research, 2020, 193, 107994. | 1.2 | 13 |
| 76 | In vivo efficacy of silver-impregnated barrel contact lens storage cases. Contact Lens and Anterior Eye, 2020, 44, 101357. | 0.8 | 9 |
| 77 | The Development of an Antimicrobial Contact Lens â€“ From the Laboratory to the Clinic. Current Protein and Peptide Science, 2020, 21, 357-368. | 0.7 | 15 |
| 78 | Development of antibacterial contact lenses containing metallic nanoparticles. Polymer Testing, 2019, 79, 106034. | 2.3 | 24 |
| 79 | In Vitro Antimicrobial Efficacy of Silver Lens Cases Used With a Multipurpose Disinfecting Solution. Translational Vision Science and Technology, 2019, 8, 52. | 1.1 | 7 |
| 80 | Association study of single nucleotide polymorphisms in IL-10 and IL-17 genes with the severity of microbial keratitis. Contact Lens and Anterior Eye, 2019, 42, 658-661. | 0.8 | 11 |
| 81 | The Role of Orientation of Surface Bound Dihydropyrrol-2-ones (DHP) on Biological Activity. Molecules, 2019, 24, 2676. | 1.7 | 5 |
| 82 | Mode of action of the antimicrobial peptide Mel4 is independent of Staphylococcus aureus cell membrane permeability. PLoS ONE, 2019, 14, e0215703. | 1.1 | 64 |
| 83 | Analytical separations for lipids in complex, nonpolar lipidomes using differential mobility spectrometry. Journal of Lipid Research, 2019, 60, 1968-1978. | 2.0 | 6 |
| 84 | Single Step Plasma Process for Covalent Binding of Antimicrobial Peptides on Catheters To Suppress Bacterial Adhesion. ACS Applied Bio Materials, 2019, 2, 5739-5748. | 2.3 | 17 |
| 85 | Quantum Dots in Ophthalmology: A Literature Review. Current Eye Research, 2019, 44, 1037-1046. | 0.7 | 9 |
| 86 | Tear film substance P: A potential biomarker for diabetic peripheral neuropathy. Ocular Surface, 2019, 17, 690-698. | 2.2 | 27 |
| 87 | Tear film, contact lenses and tear biomarkers. Australasian journal of optometry, The, 2019, 102, 350-363. | 0.6 | 32 |
| 88 | Comparative mode of action of the antimicrobial peptide melimine and its derivative Mel4 against Pseudomonas aeruginosa. Scientific Reports, 2019, 9, 7063. | 1.6 | 71 |
| 89 | A Pilot Study of the Synergy between Two Antimicrobial Peptides and Two Common Antibiotics. Antibiotics, 2019, 8, 60. | 1.5 | 42 |
| 90 | Short Cationic Peptidomimetic Antimicrobials. Antibiotics, 2019, 8, 44. | 1.5 | 46 |

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| 91 | Accessory genome of the multi-drug resistant ocular isolate of Pseudomonas aeruginosa PA34. PLoS ONE, 2019, 14, e0215038. | 1.1 | 20 |
| 92 | Synergy between Synthetic Antimicrobial Polymer and Antibiotics: A Promising Platform To Combat Multidrug-Resistant Bacteria. ACS Infectious Diseases, 2019, 5, 1357-1365. | 1.8 | 59 |
| 93 | Comparative Analysis of Adverse Events From a Series of Proof-of-Principle Extended Wear Studies. Eye and Contact Lens, 2019, 45, 88-92. | 0.8 | 0 |
| 94 | Absorption and Extraction of Inflammatory Mediators From Contact Lens Materials. Eye and Contact Lens, 2019, 45, 340-345. | 0.8 | 3 |
| 95 | The Effect of Microblepharon Exfoliation on Clinical Correlates of Contact Lens Discomfort. Optometry and Vision Science, 2019, 96, 187-199. | 0.6 | 13 |
| 96 | Biogeography of the human ocular microbiota. Ocular Surface, 2019, 17, 111-118. | 2.2 | 80 |
| 97 | The Ocular Microbiome: Molecular Characterisation of a Unique and Low Microbial Environment. Current Eye Research, 2019, 44, 685-694. | 0.7 | 93 |
| 98 | Mechanism of Action of Surface Immobilized Antimicrobial Peptides Against Pseudomonas aeruginosa. Frontiers in Microbiology, 2019, 10, 3053. | 1.5 | 47 |
| 99 | Nucleotide sequence analysis of NPS-1 Î²-lactamase and a novel integron (In1427)-carrying transposon in an MDR Pseudomonas aeruginosa keratitis strain. Journal of Antimicrobial Chemotherapy, 2018, 73, 1724-1726. | 1.3 | 14 |
| 100 | Clinical Outcomes and Contact Lens Case Contamination Using a Povidoneâ€“Iodine Disinfection System. Eye and Contact Lens, 2018, 44, S221-S227. | 0.8 | 6 |
| 101 | In Vitro Compatibility of Contact Lenses With Corneal Epithelial Cells. Eye and Contact Lens, 2018, 44, S283-S290. | 0.8 | 5 |
| 102 | The eyelids and tear film in contact lens discomfort. Contact Lens and Anterior Eye, 2018, 41, 144-153. | 0.8 | 40 |
| 103 | Esculentinâ€1a derived peptides kill Pseudomonas aeruginosa biofilm on soft contact lenses and retain antibacterial activity upon immobilization to the lens surface. Peptide Science, 2018, 110, e23074. | 1.0 | 24 |
| 104 | A pilot study on corneal Langerhans cells in keratoconus. Contact Lens and Anterior Eye, 2018, 41, 219-223. | 0.8 | 12 |
| 105 | Adhesion of Stenotrophomonas maltophilia, Delftia acidovorans, and Achromobacter xylosoxidans to Contact Lenses. Eye and Contact Lens, 2018, 44, S120-S126. | 0.8 | 8 |
| 106 | Overview of mechanisms of antibiotic resistance in Pseudomonas aeruginosa: an ocular perspective. Australasian journal of optometry, The, 2018, 101, 162-171. | 0.6 | 87 |
| 107 | The impact of diabetes on corneal nerve morphology and ocular surface integrity. Ocular Surface, 2018, 16, 45-57. | 2.2 | 102 |
| 108 | Design and synthesis of short amphiphilic cationic peptidomimetics based on biphenyl backbone as antibacterial agents. European Journal of Medicinal Chemistry, 2018, 143, 1702-1722. | 2.6 | 29 |

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|---|---|---|---|
| 109 | Development of Silicone Hydrogel Antimicrobial Contact Lenses with Mel4 Peptide Coating. Optometry and Vision Science, 2018, 95, 937-946. | 0.6 | 47 |
| 110 | Predictive Potential of Eyelids and Tear Film in Determining Symptoms in Contact Lens Wearers. Optometry and Vision Science, 2018, 95, 1035-1045. | 0.6 | 13 |
| 111 | Bacterial contamination of lens cases whilst using a povidone iodine based disinfection system. Contact Lens and Anterior Eye, 2018, 41, S39. | 0.8 | 0 |
| 112 | Potential Role of Ocular Microbiome, Host Genotype, Tear Cytokines, and Environmental Factors in Corneal Infiltrative Events in Contact Lens Wearers. , 2018, 59, 5752. | | 25 |
| 113 | Action of Antimicrobial Peptides against Bacterial Biofilms. Materials, 2018, 11, 2468. | 1.3 | 186 |
| 114 | Association between possession of ExoU and antibiotic resistance in Pseudomonas aeruginosa. PLoS ONE, 2018, 13, e0204936. | 1.1 | 40 |
| 115 | Comparative genomics of clinical strains of Pseudomonas aeruginosa strains isolated from different geographic sites. Scientific Reports, 2018, 8, 15668. | 1.6 | 61 |
| 116 | Bacterial Coaggregation and Cohesion Among Isolates From Contact Lens Cases. , 2018, 59, 2729. | | 9 |
| 117 | Study of Disinfectant Resistance Genes in Ocular Isolates of Pseudomonas aeruginosa. Antibiotics, 2018, 7, 88. | 1.5 | 15 |
| 118 | Dual-Action Biomaterial Surfaces with Quorum Sensing Inhibitor and Nitric Oxide To Reduce Bacterial Colonization. ACS Biomaterials Science and Engineering, 2018, 4, 4174-4182. | 2.6 | 14 |
| 119 | Imaging of Tear Film Lipids Using Quantum Dots. , 2018, , . | | 0 |
| 120 | Identification and Visualization of a Distinct Microbiome in Ocular Surface Conjunctival Tissue. , 2018, 59, 4268. | | 52 |
| 121 | Mass spectrometry-directed structure elucidation and total synthesis of ultra-long chain (O-acyl)-ï‰-hydroxy fatty acids. Journal of Lipid Research, 2018, 59, 1510-1518. | 2.0 | 42 |
| 122 | Guanidine functionalized anthranilamides as effective antibacterials with biofilm disruption activity. Organic and Biomolecular Chemistry, 2018, 16, 5871-5888. | 1.5 | 22 |
| 123 | Lipid Membrane Interactions of the Cationic Antimicrobial Peptide Chimeras Melimine and Cys-Melimine. Langmuir, 2018, 34, 11586-11592. | 1.6 | 24 |
| 124 | Outcome of Keratoconus Management: Review of the Past 20 Years' Contemporary Treatment Modalities. Eye and Contact Lens, 2017, 43, 141-154. | 0.8 | 28 |
| 125 | Contact Lensâ€“Induced Discomfort and Inflammatory Mediator Changes in Tears. Eye and Contact Lens, 2017, 43, 40-45. | 0.8 | 31 |
| 126 | Activity of a melimine derived peptide Mel4 against Stenotrophomonas, Delftia, Elizabethkingia, Burkholderia and biocompatibility as a contact lens coating. Contact Lens and Anterior Eye, 2017, 40, 175-183. | 0.8 | 38 |

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|---|---|---|---|
| 127 | Relation between Ocular Comfort, Arachidonic Acid Mediators, and Histamine. Current Eye Research, 2017, 42, 822-826. | 0.7 | 9 |
| 128 | Amphipathic guanidine-embedded glyoxamide-based peptidomimetics as novel antibacterial agents and biofilm disruptors. Organic and Biomolecular Chemistry, 2017, 15, 2033-2051. | 1.5 | 20 |
| 129 | Design, Synthesis and Biological Evaluation of Nâ€Sulfonylphenyl glyoxamideâ€Based Antimicrobial Peptide Mimics as Novel Antimicrobial Agents. ChemistrySelect, 2017, 2, 3452-3461. | 0.7 | 12 |
| 130 | Poly(ethylene glycol)-Based Coatings Combining Low-Biofouling and Quorum-Sensing Inhibiting Properties to Reduce Bacterial Colonization. ACS Biomaterials Science and Engineering, 2017, 3, 78-87. | 2.6 | 47 |
| 131 | Synthesis and biological evaluation of novel acyclic and cyclic glyoxamide based derivatives as bacterial quorum sensing and biofilm inhibitors. Organic and Biomolecular Chemistry, 2017, 15, 5743-5755. | 1.5 | 18 |
| 132 | Facile solvent-free fabrication of nitric oxide (NO)-releasing coatings for prevention of biofilm formation. Chemical Communications, 2017, 53, 6488-6491. | 2.2 | 23 |
| 133 | Differences in Tear Film Biochemistry of Symptomatic and Asymptomatic Lens Wearers. Optometry and Vision Science, 2017, 94, 914-918. | 0.6 | 13 |
| 134 | Preinflammatory Signs in Established Reusable and Disposable Contact Lens Wearers. Optometry and Vision Science, 2017, 94, 1003-1008. | 0.6 | 32 |
| 135 | Urinary biomarkers in prostate cancer detection and monitoring progression. Critical Reviews in Oncology/Hematology, 2017, 118, 15-26. | 2.0 | 64 |
| 136 | Temporal Stability and Composition of the Ocular Surface Microbiome. Scientific Reports, 2017, 7, 9880. | 1.6 | 172 |
| 137 | TFOS DEWS II Introduction. Ocular Surface, 2017, 15, 269-275. | 2.2 | 180 |
| 138 | TFOS DEWS II Tear Film Report. Ocular Surface, 2017, 15, 366-403. | 2.2 | 610 |
| 139 | TFOS DEWS II Sex, Gender, and Hormones Report. Ocular Surface, 2017, 15, 284-333. | 2.2 | 260 |
| 140 | Pilot Study of Corneal Sensitivity and Its Association in Keratoconus. Cornea, 2017, 36, 163-168. | 0.9 | 10 |
| 141 | Lipid Supplements and Clinical Aspects of Tear Film in Habitual Lens Wearers. Optometry and Vision Science, 2017, 94, 174-182. | 0.6 | 12 |
| 142 | TFOS DEWS II Report Executive Summary. Ocular Surface, 2017, 15, 802-812. | 2.2 | 502 |
| 143 | Is There a Role for Inflammation in Contact Lens Discomfort?. Eye and Contact Lens, 2017, 43, 5-16. | 0.8 | 28 |
| 144 | Reducing oral contamination during corneal scrapes. BMJ Open Ophthalmology, 2017, 1, e000044. | 0.8 | 3 |

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| 145 | Bacterial Coaggregation Among the Most Commonly Isolated Bacteria From Contact Lens Cases. , 2017, 58, 50. | | 16 |
| 146 | Antimicrobial activity of immobilized lactoferrin and lactoferricin. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2612-2617. | 1.6 | 22 |
| 147 | Surface Immobilization of Antibacterial Quorum Sensing Inhibitors by Photochemical Activation. Journal of Biotechnology & Biomaterials, 2016, 6, . | 0.3 | 9 |
| 148 | Effect of Salicylic Acid on the Membrane Proteome and Virulence ofPseudomonas aeruginosa. , 2016, 57, 1213. | | 20 |
| 149 | Melimine-Coated Antimicrobial Contact Lenses Reduce Microbial Keratitis in an Animal Model. , 2016, 57, 5616. | | 50 |
| 150 | In Vivo Studies Evaluating the Use of Contact Lenses for Drug Delivery. Optometry and Vision Science, 2016, 93, 367-376. | 0.6 | 25 |
| 151 | Identification of pathogenic factors potentially involved in Staphylococcus aureus keratitis using proteomics. Experimental Eye Research, 2016, 151, 171-178. | 1.2 | 9 |
| 152 | Contact Lens-Induced Discomfort and Protein Changes in Tears. Optometry and Vision Science, 2016, 93, 955-962. | 0.6 | 27 |
| 153 | Contact Lens Comfort. Optometry and Vision Science, 2016, 93, 790-792. | 0.6 | 5 |
| 154 | Effects of Lipid Supplements on Tear Biochemistry in Contact Lens Wearers. Optometry and Vision Science, 2016, 93, 1203-1209. | 0.6 | 8 |
| 155 | Evaluation of Protamine as a Disinfectant for Contact Lenses. Optometry and Vision Science, 2016, 93, 1349-1355. | 0.6 | 5 |
| 156 | Intersubject and Interday Variability in Human Tear and Meibum Lipidomes: A Pilot Study. Ocular Surface, 2016, 14, 43-48. | 2.2 | 23 |
| 157 | Antimicrobial activity of four cationic peptides immobilised to poly-hydroxyethylmethacrylate. Biofouling, 2016, 32, 429-438. | 0.8 | 64 |
| 158 | Glycan involvement in the adhesion of Pseudomonas aeruginosa to tears. Experimental Eye Research, 2016, 145, 278-288. | 1.2 | 28 |
| 159 | Antimicrobial peptide melimine coating for titanium and its inÂvivo antibacterial activity in rodent subcutaneous infection models. Biomaterials, 2016, 85, 142-151. | 5.7 | 161 |
| 160 | Absolute quantification of human tear lactoferrin using multiple reaction monitoring technique with stable-isotopic labeling. Analytical Biochemistry, 2016, 496, 30-34. | 1.1 | 9 |
| 161 | Synthesis and biological evaluation of N-naphthoyl-phenylglyoxamide-based small molecular antimicrobial peptide mimics as novel antimicrobial agents and biofilm inhibitors. Organic and Biomolecular Chemistry, 2016, 14, 3623-3637. | 1.5 | 28 |
| 162 | Design, synthesis and evaluation of N-aryl-glyoxamide derivatives as structurally novel bacterial quorum sensing inhibitors. Organic and Biomolecular Chemistry, 2016, 14, 680-693. | 1.5 | 27 |

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| 163 | Serum-Induced Keratinization Processes in an Immortalized Human Meibomian Gland Epithelial Cell Line. PLoS ONE, 2015, 10, e0128096. | 1.1 | 34 |
| 164 | Effect of Daily Contact Lens Cleaning on Ocular Adverse Events during Extended Wear. Optometry and Vision Science, 2015, 92, 157-166. | 0.6 | 11 |
| 165 | The Effect of Contact Lens Hygiene Behavior on Lens Case Contamination. Optometry and Vision Science, 2015, 92, 167-174. | 0.6 | 31 |
| 166 | Contact Lens Storage Case Hygiene Practice and Storage Case Contamination. Eye and Contact Lens, 2015, 41, 91-97. | 0.8 | 22 |
| 167 | InÂvitro effects of docosahexaenoic and eicosapentaenoic acid on human meibomian gland epithelial cells. Experimental Eye Research, 2015, 140, 139-148. | 1.2 | 30 |
| 168 | Synthesis, quorum sensing inhibition and docking studies of 1,5-dihydropyrrol-2-ones. Bioorganic and Medicinal Chemistry, 2015, 23, 7366-7377. | 1.4 | 23 |
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