

# Mary E Marquart

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4099041/mary-e-marquart-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

828  
citations

17  
h-index

27  
g-index

46  
ext. papers

949  
ext. citations

3.1  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
44	<i>Pseudomonas aeruginosa</i> protease IV enzyme assays and comparison to other <i>Pseudomonas</i> proteases. <i>Analytical Biochemistry</i> , <b>2001</b> , 290, 330-7	3.1	114
43	Identification of a novel secreted protease from <i>Pseudomonas aeruginosa</i> that causes corneal erosions. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 3761-8		63
42	Effectiveness of ciprofloxacin, levofloxacin, or moxifloxacin for treatment of experimental <i>Staphylococcus aureus</i> keratitis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 1948-52	5.9	54
41	Animal models of bacterial keratitis. <i>Journal of Biomedicine and Biotechnology</i> , <b>2011</b> , 2011, 680642		39
40	Properties of PASP: a <i>Pseudomonas</i> protease capable of mediating corneal erosions <b>2009</b> , 50, 3794-801		37
39	<i>Pseudomonas</i> keratitis: protease IV gene conservation, distribution, and production relative to virulence and other <i>Pseudomonas</i> proteases. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 522-30		37
38	Infectious keratitis: secreted bacterial proteins that mediate corneal damage. <i>Journal of Ophthalmology</i> , <b>2013</b> , 2013, 369094	2	36
37	Corneal virulence of <i>Pseudomonas aeruginosa</i> elastase B and alkaline protease produced by <i>Pseudomonas putida</i> . <i>Current Eye Research</i> , <b>2007</b> , 32, 373-86	2.9	30
36	Efficacy of besifloxacin in a rabbit model of methicillin-resistant <i>Staphylococcus aureus</i> keratitis. <i>Cornea</i> , <b>2009</b> , 28, 1055-60	3.1	28
35	Molecular analysis of <i>Pseudomonas aeruginosa</i> protease IV expressed in <i>Pseudomonas putida</i> . <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 190-6		28
34	<i>Pseudomonas aeruginosa</i> small protease (PASP), a keratitis virulence factor <b>2013</b> , 54, 2821-8		27
33	The cholesterol-dependent cytolysin pneumolysin from <i>Streptococcus pneumoniae</i> binds to lipid raft microdomains in human corneal epithelial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e61300	3.7	25
32	Cholesterol as treatment for pneumococcal keratitis: cholesterol-specific inhibition of pneumolysin in the cornea. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2661-6		24
31	Ocular virulence of capsule-deficient <i>Streptococcus pneumoniae</i> in a rabbit keratitis model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 604-8		24
30	Assessment of <i>Streptococcus pneumoniae</i> capsule in conjunctivitis and keratitis in vivo neuraminidase activity increases in nonencapsulated pneumococci following conjunctival infection. <i>Current Eye Research</i> , <b>2010</b> , 35, 787-98	2.9	22
29	Drug-Loaded Elastin-Like Polypeptide-Collagen Hydrogels with High Modulus for Bone Tissue Engineering. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1900142	5.5	20
28	The <i>Streptococcus pneumoniae</i> capsule is required for full virulence in pneumococcal endophthalmitis. <i>Investigative Ophthalmology and Visual Science</i> , <b>2011</b> , 52, 865-72		20

27	Efficacy of besifloxacin in an early treatment model of methicillin-resistant <i>Staphylococcus aureus</i> keratitis. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2010</b> , 26, 193-8	2.6	16
26	Immunization with pneumolysin protects against both retinal and global damage caused by <i>Streptococcus pneumoniae</i> endophthalmitis. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2010</b> , 26, 571-7	2.6	15
25	Active Immunization with Pneumolysin versus 23-Valent Polysaccharide Vaccine for <i>Streptococcus pneumoniae</i> Keratitis <b>2011</b> , 52, 9232-43		15
24	A comparison of pneumolysin activity and concentration in vitro and in vivo in a rabbit endophthalmitis model. <i>Clinical Ophthalmology</i> , <b>2008</b> , 2, 793-800	2.5	13
23	Age-related differences in rabbits during experimental <i>Staphylococcus aureus</i> keratitis. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 5125-31		13
22	Protection from <i>Streptococcus pneumoniae</i> keratitis by passive immunization with pneumolysin antiserum. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 290-4		12
21	<i>Pseudomonas aeruginosa</i> protease IV: a corneal virulence factor of low immunogenicity. <i>Ocular Immunology and Inflammation</i> , <b>2005</b> , 13, 169-82	2.8	11
20	Pathogenesis of A Clinical Ocular Strain of <i>Streptococcus pneumoniae</i> and the Interaction of Pneumolysin with Corneal Cells. <i>Journal of Bacteriology &amp; Parasitology</i> , <b>2011</b> , 2, 108		11
19	Development of a <i>Streptococcus pneumoniae</i> keratitis model in mice. <i>Ophthalmic Research</i> , <b>2009</b> , 42, 141-6	2.9	10
18	Effectiveness of ciprofloxacin and ofloxacin in a prophylaxis model of <i>Staphylococcus</i> keratitis. <i>Cornea</i> , <b>2001</b> , 20, 878-80	3.1	10
17	Passive immunization with Pneumovax <sup>®</sup> 23 and pneumolysin in combination with vancomycin for pneumococcal endophthalmitis. <i>BMC Ophthalmology</i> , <b>2013</b> , 13, 8	2.3	9
16	Modulation of immune signaling, bacterial clearance, and corneal integrity by toll-like receptors during <i>streptococcus pneumoniae</i> keratitis. <i>Current Eye Research</i> , <b>2013</b> , 38, 1036-48	2.9	9
15	Mechanism of <i>Pseudomonas aeruginosa</i> Small Protease (PASP), a Corneal Virulence Factor <b>2018</b> , 59, 5993-6002		9
14	Photofunctionalization of anodized titanium surfaces using UVA or UVC light and its effects against <i>Streptococcus sanguinis</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2284-2294	3.5	8
13	Pathogenicity and virulence of : Cutting to the chase on proteases. <i>Virulence</i> , <b>2021</b> , 12, 766-787	4.7	7
12	The Role of Pneumococcal Virulence Factors in Ocular Infectious Diseases. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , <b>2018</b> , 2018, 2525173	1.7	7
11	Antibiotic susceptibility, cytotoxicity, and protease activity of viridans group streptococci causing endophthalmitis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209849	3.7	7
10	Superantigen-Like Protein SSL1: A Toxic Protease. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	5

9	Exogenous Streptococcus pneumoniae Endophthalmitis in Diabetic Rabbits. <i>Scientific Reports</i> , <b>2017</b> , 7, 46196	4.9	3
8	Differential bacterial gene expression during experimental pneumococcal endophthalmitis. <i>Ophthalmic Research</i> , <b>2015</b> , 53, 149-61	2.9	3
7	Moxifloxacin and cholesterol combined treatment of pneumococcal keratitis. <i>Current Eye Research</i> , <b>2010</b> , 35, 1142-7	2.9	3
6	Photocatalytic activity and antibacterial efficacy of UVA-treated titanium oxides. <i>Journal of Biomaterials Applications</i> , <b>2020</b> , 35, 500-514	2.9	2
5	Innovative Cold Atmospheric Plasma (iCAP) Decreases Mucopurulent Corneal Ulcer Formation and Edema and Reduces Bacterial Load in Keratitis.. <i>Clinical Plasma Medicine</i> , <b>2019</b> , 16, 100093-100093	2.8	1
4	Correlation of Phenotype and Its Corneal Virulence. <i>Current Eye Research</i> , <b>2021</b> , 46, 638-647	2.9	1
3	Antimicrobial Properties of Anodized Titanium Components Used in a Combination Device <b>2020</b> , 89-104		
2	Draft Genome Sequences of Viridans Streptococci Causing Bacterial Endophthalmitis in Humans. <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10, e0083521	1.3	
1	A corneal penetrating drug delivery system based on elastin-like polypeptide (1053.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 1053.4	0.9	