Mary E Marquart

List of Publications by Year
in descending order

46 papers	1,067 citations	566801 15 h-index	552369 26 g-index
46 all docs	46 docs citations	46 times ranked	1088 citing authors

#	Article	IF	Citations
1	Pseudomonas aeruginosa Protease IV Enzyme Assays and Comparison to Other Pseudomonas Proteases. Analytical Biochemistry, 2001, 290, 330-337.	1.1	132
2	Identification of a Novel Secreted Protease fromPseudomonas aeruginosathat Causes Corneal Erosions. , 2005, 46, 3761.		75
3	Effectiveness of Ciprofloxacin, Levofloxacin, or Moxifloxacin for Treatment of Experimental Staphylococcus aureus Keratitis. Antimicrobial Agents and Chemotherapy, 2004, 48, 1948-1952.	1.4	64
4	Properties of PASP: APseudomonasProtease Capable of Mediating Corneal Erosions. , 2009, 50, 3794.		55
5	Animal Models of Bacterial Keratitis. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-12.	3.0	52
6	Infectious Keratitis: Secreted Bacterial Proteins That Mediate Corneal Damage. Journal of Ophthalmology, 2013, 2013, 1-9.	0.6	52
7	Pseudomonas Keratitis: Protease IV Gene Conservation, Distribution, and Production Relative to Virulence and OtherPseudomonasProteases. , 2004, 45, 522.		40
8	Pseudomonas aeruginosaSmall Protease (PASP), a Keratitis Virulence Factor. , 2013, 54, 2821.		38
9	Molecular Analysis ofPseudomonas aeruginosaProtease IV Expressed inPseudomonas putida. , 2003, 44, 190.		33
10	Corneal Virulence ofPseudomonas aeruginosaElastase B and Alkaline Protease Produced byPseudomonas putida. Current Eye Research, 2007, 32, 373-386.	0.7	33
11	Drugâ€Loaded Elastinâ€Like Polypeptideâ€“Collagen Hydrogels with High Modulus for Bone Tissue Engineering. Macromolecular Bioscience, 2019, 19, e1900142.	2.1	33
12	The Streptococcus pneumoniae Capsule Is Required for Full Virulence in Pneumococcal Endophthalmitis. Investigative Ophthalmology and Visual Science, 2011, 52, 865-872.	3.3	32
13	Ocular Virulence of Capsule-DeficientStreptococcus pneumoniaein a Rabbit Keratitis Model. , 2005, 46, 604.		29
14	Efficacy of Besifloxacin in a Rabbit Model of Methicillin-Resistant Staphylococcus aureus Keratitis. Cornea, 2009, 28, 1055-1060.	0.9	29
15	The Cholesterol-Dependent Cytolysin Pneumolysin from Streptococcus pneumoniae Binds to Lipid Raft Microdomains in Human Corneal Epithelial Cells. PLoS ONE, 2013, 8, e61300.	1.1	29
16	Pathogenicity and virulence ofStreptococcus pneumoniae: Cutting to the chase on proteases. Virulence, 2021, 12, 766-787.	1.8	28
17	Cholesterol as Treatment for Pneumococcal Keratitis: Cholesterol-Specific Inhibition of Pneumolysin in the Cornea. , 2007, 48, 2661.		27
18	Assessment ofStreptococcus pneumoniaeCapsule in Conjunctivitis and Keratitisin vivoNeuraminidase Activity Increases in Nonencapsulated Pneumococci following Conjunctival Infection. Current Eye Research, 2010, 35, 787-798.	0.7	24

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19	A comparison of pneumolysin activity and concentration in vitro and in vivo in a rabbit endophthalmitis model. Clinical Ophthalmology, 2008, 2, 793.	0.9	19
20	Pathogenesis of A Clinical Ocular Strain of Streptococcus pneumoniae and the Interaction of Pneumolysin with Corneal Cells. Journal of Bacteriology & Parasitology, 2011, 02, 108.	0.2	18
21	Age-Related Differences in Rabbits during ExperimentalStaphylococcus aureusKeratitis. , 2007, 48, 5125.		17
22	Efficacy of Besifloxacin in an Early Treatment Model of Methicillin-ResistantStaphylococcus AureusKeratitis. Journal of Ocular Pharmacology and Therapeutics, 2010, 26, 193-198.	0.6	17
23	Immunization with Pneumolysin Protects Against Both Retinal and Global Damage Caused byStreptococcus pneumoniaeEndophthalmitis. Journal of Ocular Pharmacology and Therapeutics, 2010, 26, 571-577.	0.6	17
24	Active Immunization with Pneumolysin versus 23-Valent Polysaccharide Vaccine forStreptococcus pneumoniaeKeratitis. , 2011, 52, 9232.		16
25	Photofunctionalization of anodized titanium surfaces using UVA or UVC light and its effects against Streptococcus sanguinis. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2284-2294.	1.6	16
26	Protection fromStreptococcus pneumoniaeKeratitis by Passive Immunization with Pneumolysin Antiserum. , 2008, 49, 290.		14
27	Pseudomonas aeruginosaProtease IV: A Corneal Virulence Factor of Low Immunogenicity. Ocular Immunology and Inflammation, 2005, 13, 169-182.	1.0	13
28	Staphylococcus aureus Superantigen-Like Protein SSL1: A Toxic Protease. Pathogens, 2019, 8, 2.	1.2	13
29	Development of a Streptococcus pneumoniae Keratitis Model in Mice. Ophthalmic Research, 2009, 42, 141-146.	1.0	12
30	Mechanism ofPseudomonas aeruginosaSmall Protease (PASP), a Corneal Virulence Factor. , 2018, 59, 5993.		11
31	Antibiotic susceptibility, cytotoxicity, and protease activity of viridans group streptococci causing endophthalmitis. PLoS ONE, 2018, 13, e0209849.	1.1	11
32	Effectiveness of Ciprofloxacin and Ofloxacin in a Prophylaxis Model of Staphylococcus Keratitis. Cornea, 2001, 20, 878-880.	0.9	10
33	Passive immunization with PneumovaxÂ®23 and pneumolysin in combination with vancomycin for pneumococcal endophthalmitis. BMC Ophthalmology, 2013, 13, 8.	0.6	10
34	Modulation of Immune Signaling, Bacterial Clearance, and Corneal Integrity by Toll-like Receptors duringStreptococcus pneumoniaeKeratitis. Current Eye Research, 2013, 38, 1036-1048.	0.7	10
35	The Role of Pneumococcal Virulence Factors in Ocular Infectious Diseases. Interdisciplinary Perspectives on Infectious Diseases, 2018, 2018, 1-9.	0.6	10
36	Photocatalytic activity and antibacterial efficacy of UVA-treated titanium oxides. Journal of Biomaterials Applications, 2020, 35, 500-514.	1.2	7

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37	Innovative cold atmospheric plasma (iCAP) decreases mucopurulent corneal ulcer formation and edema and reduces bacterial load in Pseudomonaskeratitis. Clinical Plasma Medicine, 2019, 16, 100093.	3.2	6
38	Exogenous Streptococcus pneumoniae Endophthalmitis in Diabetic Rabbits. Scientific Reports, 2017, 7, 46196.	1.6	5
39	Moxifloxacin and Cholesterol Combined Treatment of Pneumococcal Keratitis. Current Eye Research, 2010, 35, 1142-1147.	0.7	3
40	Differential Bacterial Gene Expression during Experimental Pneumococcal Endophthalmitis. Ophthalmic Research, 2015, 53, 149-161.	1.0	3
41	Correlation of Staphylococcus Epidermidis Phenotype and Its Corneal Virulence. Current Eye Research, 2021, 46, 638-647.	0.7	3
42	Absence of Streptococcus pneumoniae Capsule Increases Bacterial Binding, Persistence, and Inflammation in Corneal Infection. Microorganisms, 2022, 10, 710.	1.6	1
43	A Transcriptional Activator of Ascorbic Acid Transport in Streptococcus pneumoniae Is Required for Optimal Growth in Endophthalmitis in a Strain-Dependent Manner. Microorganisms, 2019, 7, 290.	1.6	0
44	Draft Genome Sequences of Viridans Streptococci Causing Bacterial Endophthalmitis in Humans. Microbiology Resource Announcements, 2021, 10, e0083521.	0.3	0
45	A corneal penetrating drug delivery system based on elastinâ€like polypeptide (1053.4). FASEB Journal, 2014, 28, 1053.4.	0.2	0
46	Antimicrobial Properties of Anodized Titanium Components Used in a Combination Device. , 2020, , 89-104.		0