

# Richard J O callaghan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2361691/richard-j-ocallaghan-publications-by-citations.pdf>

**Version:** 2024-04-28

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.

48  
papers

1,225  
citations

21  
h-index

34  
g-index

48  
ext. papers

1,371  
ext. citations

3.5  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
48	<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
47	Protease IV, a unique extracellular protease and virulence factor from <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 16792-7	5.4	110
46	<i>Pseudomonas aeruginosa</i> protease IV degrades surfactant proteins and inhibits surfactant host defense and biophysical functions. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2005</b> , 288, L409-18	5.8	82
45	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
44	The Pathogenesis of <i>Staphylococcus aureus</i> Eye Infections. <i>Pathogens</i> , <b>2018</b> , 7,	4.5	51
43	Corneal virulence of <i>Staphylococcus aureus</i> in an experimental model of keratitis. <i>DNA and Cell Biology</i> , <b>2002</b> , 21, 375-82	3.6	49
42	A new topical model of <i>Staphylococcus</i> corneal infection in the mouse. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 1591-7		44
41	Immunization with alpha-toxin toxoid protects the cornea against tissue damage during experimental <i>Staphylococcus aureus</i> keratitis. <i>Infection and Immunity</i> , <b>2000</b> , 68, 6052-5	3.7	44
40	Chemical inhibition of alpha-toxin, a key corneal virulence factor of <i>Staphylococcus aureus</i> . <i>Investigative Ophthalmology and Visual Science</i> , <b>2009</b> , 50, 2848-54		41
39	Lysostaphin is effective in treating methicillin-resistant <i>Staphylococcus aureus</i> endophthalmitis in the rabbit. <i>Current Eye Research</i> , <b>2001</b> , 22, 451-7	2.9	40
38	Properties of PASP: a <i>Pseudomonas</i> protease capable of mediating corneal erosions <b>2009</b> , 50, 3794-801		37
37	Histopathological studies of staphylococcal alpha-toxin: effects on rabbit corneas. <i>Current Eye Research</i> , <b>1997</b> , 16, 1221-8	2.9	37
36	<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
35	Infectious keratitis: secreted bacterial proteins that mediate corneal damage. <i>Journal of Ophthalmology</i> , <b>2013</b> , 2013, 369094	2	36
34	Effects of toxin production in a murine model of <i>Staphylococcus aureus</i> keratitis. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2064-70		36
33	Corneal pathogenesis of <i>Staphylococcus aureus</i> strain Newman. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1109-15		34
32	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

31	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
30	<i>Pseudomonas aeruginosa</i> small protease (PASP), a keratitis virulence factor <b>2013</b> , 54, 2821-8		27
29	Quantitative comparison of fluoroquinolone therapies of experimental gram-negative bacterial keratitis. <i>Current Eye Research</i> , <b>2004</b> , 28, 337-42	2.9	24
28	Ocular virulence of capsule-deficient streptococcus pneumoniae in a rabbit keratitis model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 604-8		24
27	Identification of the active site residues of <i>Pseudomonas aeruginosa</i> protease IV. Importance of enzyme activity in autoprocessing and activation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 2549-53	5.4	18
26	Susceptibility of aged mice to <i>Staphylococcus aureus</i> keratitis. <i>Current Eye Research</i> , <b>2004</b> , 29, 269-75	2.9	16
25	Phospholipase A2 activity in normal and <i>Staphylococcus aureus</i> -infected rabbit eyes. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 197-202		14
24	<i>Pseudomonas aeruginosa</i> proteolytically alters the interleukin 22-dependent lung mucosal defense. <i>Virulence</i> , <b>2017</b> , 8, 810-820	4.7	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	Calcium and magnesium enhance the production of <i>Pseudomonas aeruginosa</i> protease IV, a corneal virulence factor. <i>Medical Microbiology and Immunology</i> , <b>2005</b> , 194, 39-45	4	13
21	Keratitis: Protease IV and PASP as Corneal Virulence Mediators. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	12
20	Diverse virulence of <i>Staphylococcus aureus</i> strains for the conjunctiva. <i>Current Eye Research</i> , <b>2011</b> , 36, 14-20	2.9	11
19	<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
18	Corneal virulence of LasA protease--deficient <i>Pseudomonas aeruginosa</i> PAO1. <i>Cornea</i> , <b>2001</b> , 20, 643-6	3.1	11
17	Protease IV Exacerbates Pneumococcal Pneumonia and Systemic Disease. <i>MSphere</i> , <b>2018</b> , 3,	5	10
16	Effectiveness of ciprofloxacin-polystyrene sulfonate (PSS), ciprofloxacin and ofloxacin in a <i>Staphylococcus</i> keratitis model. <i>Current Eye Research</i> , <b>1998</b> , 17, 808-812	2.9	9
15	Pathogenesis of <i>Staphylococcus</i> in the rabbit anterior chamber. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1371-8		9
14	Mechanism of <i>Pseudomonas aeruginosa</i> Small Protease (PASP), a Corneal Virulence Factor <b>2018</b> , 59, 5993-6002		9

13	Identification and potency of cyclodextrin-lipid inhibitors of Staphylococcus aureus $\beta$ -toxin. <i>Current Eye Research</i> , <b>2012</b> , 37, 87-93	2.9	8
12	Staphylococcus aureus infection of the rabbit cornea following topical administration. <i>Current Eye Research</i> , <b>2012</b> , 37, 1075-83	2.9	8
11	Effectiveness of Alpha-toxin Fab Monoclonal Antibody Therapy in Limiting the Pathology of Staphylococcus aureus Keratitis. <i>Ocular Immunology and Inflammation</i> , <b>2015</b> , 23, 297-303	2.8	7
10	Strategies for decreasing contamination of homemade nasal saline irrigation solutions. <i>International Forum of Allergy and Rhinology</i> , <b>2016</b> , 6, 140-2	6.3	7
9	The effectiveness of tobramycin and Ocuflax in a prophylaxis model of Staphylococcus keratitis. <i>Current Eye Research</i> , <b>2001</b> , 23, 60-3	2.9	7
8	Reactions with Antisera and Pathological Effects of Staphylococcus aureus Gamma-Toxin in the Cornea. <i>Current Eye Research</i> , <b>2017</b> , 42, 1100-1107	2.9	6
7	A highly virulent Staphylococcus aureus: rabbit anterior chamber infection, characterization, and genetic analysis <b>2010</b> , 51, 5114-20		6
6	Superantigen-Like Protein SSL1: A Toxic Protease. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	5
5	The effectiveness of an improved combination therapy for experimental Staphylococcus aureus keratitis. <i>Advances in Therapy</i> , <b>2010</b> , 27, 933-40	4.1	5
4	Sustained anti-staphylococcal effect of lysostaphin in the rabbit aqueous humor. <i>Current Eye Research</i> , <b>2010</b> , 35, 480-6	2.9	4
3	Staphylococcus Alpha-Toxin Action on the Rabbit Iris: Toxic Effects and Their Inhibition. <i>Current Eye Research</i> , <b>2015</b> , 40, 830-8	2.9	3
2	Effectiveness of ciprofloxacin-polystyrene sulfonate (PSS), ciprofloxacin and ofloxacin in a Staphylococcus keratitis model		1
1	Correlation of Phenotype and Its Corneal Virulence. <i>Current Eye Research</i> , <b>2021</b> , 46, 638-647	2.9	1