

# Richard J O callaghan

## List of Publications by Year in Descending Order

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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	Correlation of Phenotype and Its Corneal Virulence. <i>Current Eye Research</i> , <b>2021</b> , 46, 638-647	2.9	1
47	Keratitis: Protease IV and PASP as Corneal Virulence Mediators. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	12
46	Superantigen-Like Protein SSL1: A Toxic Protease. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	5
45	Protease IV Exacerbates Pneumococcal Pneumonia and Systemic Disease. <i>MSphere</i> , <b>2018</b> , 3,	5	10
44	The Pathogenesis of Staphylococcus aureus Eye Infections. <i>Pathogens</i> , <b>2018</b> , 7,	4.5	51
43	Mechanism of Pseudomonas aeruginosa Small Protease (PASP), a Corneal Virulence Factor <b>2018</b> , 59, 5993-6002		9
42	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
41	Pseudomonas aeruginosa proteolytically alters the interleukin 22-dependent lung mucosal defense. <i>Virulence</i> , <b>2017</b> , 8, 810-820	4.7	13
40	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
39	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
38	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
37	Pseudomonas aeruginosa small protease (PASP), a keratitis virulence factor <b>2013</b> , 54, 2821-8		27
36	Infectious keratitis: secreted bacterial proteins that mediate corneal damage. <i>Journal of Ophthalmology</i> , <b>2013</b> , 2013, 369094	2	36
35	Identification and potency of cyclodextrin-lipid inhibitors of Staphylococcus aureus Exotoxin. <i>Current Eye Research</i> , <b>2012</b> , 37, 87-93	2.9	8
34	Staphylococcus aureus infection of the rabbit cornea following topical administration. <i>Current Eye Research</i> , <b>2012</b> , 37, 1075-83	2.9	8
33	Diverse virulence of Staphylococcus aureus strains for the conjunctiva. <i>Current Eye Research</i> , <b>2011</b> , 36, 14-20	2.9	11
32	A highly virulent Staphylococcus aureus: rabbit anterior chamber infection, characterization, and genetic analysis <b>2010</b> , 51, 5114-20		6

31	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
30	The effectiveness of an improved combination therapy for experimental <i>Staphylococcus aureus</i> keratitis. <i>Advances in Therapy</i> , <b>2010</b> , 27, 933-40	4.1	5
29	Properties of PASP: a <i>Pseudomonas</i> protease capable of mediating corneal erosions <b>2009</b> , 50, 3794-801		37
28	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
27	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
26	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
25	<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
24	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
23	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
22	<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
21	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
20	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
19	Pathogenesis of <i>Staphylococcus</i> in the rabbit anterior chamber. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1371-8		9
18	<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
17	Susceptibility of aged mice to <i>Staphylococcus aureus</i> keratitis. <i>Current Eye Research</i> , <b>2004</b> , 29, 269-75	2.9	16
16	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
15	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
14	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

13	Phospholipase A2 activity in normal and Staphylococcus aureus-infected rabbit eyes. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 197-202		14
12	Identification of the active site residues of Pseudomonas aeruginosa 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
11	Corneal virulence of Staphylococcus aureus in an experimental model of keratitis. <i>DNA and Cell Biology</i> , <b>2002</b> , 21, 375-82	3.6	49
10	Corneal pathogenesis of Staphylococcus aureus strain Newman. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1109-15		34
9	Pseudomonas aeruginosa protease IV enzyme assays and comparison to other Pseudomonas proteases. <i>Analytical Biochemistry</i> , <b>2001</b> , 290, 330-7	3.1	114
8	Lysostaphin is effective in treating methicillin-resistant Staphylococcus aureus endophthalmitis in the rabbit. <i>Current Eye Research</i> , <b>2001</b> , 22, 451-7	2.9	40
7	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
6	Corneal virulence of LasA protease--deficient Pseudomonas aeruginosa PAO1. <i>Cornea</i> , <b>2001</b> , 20, 643-6	3.1	11
5	Immunization with alpha-toxin toxoid protects the cornea against tissue damage during experimental Staphylococcus aureus keratitis. <i>Infection and Immunity</i> , <b>2000</b> , 68, 6052-5	3.7	44
4	Effectiveness of ciprofloxacin-polystyrene sulfonate (PSS), ciprofloxacin and ofloxacin in a Staphylococcus keratitis model. <i>Current Eye Research</i> , <b>1998</b> , 17, 808-812	2.9	9
3	Protease IV, a unique extracellular protease and virulence factor from Pseudomonas aeruginosa. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 16792-7	5.4	110
2	Histopathological studies of staphylococcal alpha-toxin: effects on rabbit corneas. <i>Current Eye Research</i> , <b>1997</b> , 16, 1221-8	2.9	37
1	Effectiveness of ciprofloxacin-polystyrene sulfonate (PSS), ciprofloxacin and ofloxacin in a Staphylococcus keratitis model		1