

Myron Christodoulides

List of Publications by Year in descending order

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99
papers

2,181
citations

186265
28
h-index

276875
41
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100
all docs

100
docs citations

100
times ranked

2204
citing authors

#	ARTICLE	IF	CITATIONS
1	The meninges as barriers and facilitators for the movement of fluid, cells and pathogens related to the rodent and human CNS. <i>Acta Neuropathologica</i> , 2018, 135, 363-385.	7.7	154
2	Proteomic Analysis of Outer Membranes and Vesicles from Wild-Type Serogroup B <i>Neisseria meningitidis</i> and a Lipopolysaccharide-Deficient Mutant. <i>Infection and Immunity</i> , 2007, 75, 1364-1372.	2.2	78
3	Interactions of <i>Neisseria meningitidis</i> with cells of the human meninges. <i>Molecular Microbiology</i> , 2000, 36, 817-829.	2.5	77
4	Immunization with the Recombinant PorB Outer Membrane Protein Induces a Bactericidal Immune Response against <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2002, 70, 4028-4034.	2.2	72
5	Current methods for capsular typing of <i>Streptococcus pneumoniae</i> . <i>Journal of Microbiological Methods</i> , 2015, 113, 41-49.	1.6	70
6	Declining serotype coverage of new pneumococcal conjugate vaccines relating to the carriage of <i>Streptococcus pneumoniae</i> in young children. <i>Vaccine</i> , 2011, 29, 4400-4404.	3.8	69
7	Interaction of primary human endometrial cells with <i>Neisseria gonorrhoeae</i> expressing green fluorescent protein. <i>Molecular Microbiology</i> , 2000, 35, 32-43.	2.5	61
8	Vaccines for piscirickettsiosis (salmonid rickettsial septicaemia, SRS): the Chile perspective. <i>Expert Review of Vaccines</i> , 2017, 16, 215-228.	4.4	61
9	Immunization with recombinant class I outer membrane protein from <i>Neisseria meningitidis</i> : influence of liposomes and adjuvants on antibody avidity, recognition of native protein and the induction of a bactericidal immune response against meningococci. <i>Microbiology (United Kingdom)</i> , 1998, 144, 3027-3037.	1.8	60
10	Interaction of <i>Neisseria meningitidis</i> with Human Meningeal Cells Induces the Secretion of a Distinct Group of Chemotactic, Proinflammatory, and Growth-Factor Cytokines. <i>Infection and Immunity</i> , 2002, 70, 4035-4044.	2.2	55
11	Expression of Proinflammatory Cytokines and Receptors by Human Fallopian Tubes in Organ Culture following Challenge with <i>Neisseria gonorrhoeae</i> . <i>Infection and Immunity</i> , 2003, 71, 527-532.	2.2	54
12	Infection of Human Fallopian Tube Epithelial Cells with <i>Neisseria gonorrhoeae</i> Protects Cells from Tumor Necrosis Factor Alpha-Induced Apoptosis. <i>Infection and Immunity</i> , 2006, 74, 3643-3650.	2.2	49
13	Atypical, Yet Not Infrequent, Infections with <i>Neisseria</i> Species. <i>Pathogens</i> , 2020, 9, 10.	2.8	46
14	The Biology of <i>Neisseria</i> Adhesins. <i>Biology</i> , 2013, 2, 1054-1109.	2.8	45
15	Activation of human meningeal cells is modulated by lipopolysaccharide (LPS) and non-LPS components of <i>Neisseria meningitidis</i> and is independent of Toll-like receptor (TLR)4 and TLR2 signalling. <i>Cellular Microbiology</i> , 2005, 7, 415-430.	2.1	44
16	Immunization with Recombinant Opc Outer Membrane Protein from <i>Neisseria meningitidis</i> : Influence of Sequence Variation and Levels of Expression on the Bactericidal Immune Response against Meningococci. <i>Infection and Immunity</i> , 2001, 69, 3809-3816.	2.2	43
17	The Adhesin Complex Protein (ACP) of <i>Neisseria meningitidis</i> Is a New Adhesin with Vaccine Potential. <i>MBio</i> , 2013, 4, .	4.1	43
18	Different meningitis-causing bacteria induce distinct inflammatory responses on interaction with cells of the human meninges. <i>Cellular Microbiology</i> , 2004, 6, 555-567.	2.1	39

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19	Development of Immunity to Serogroup B Meningococci during Carriage of <i>Neisseria meningitidis</i> in a Cohort of University Students. <i>Infection and Immunity</i> , 2004, 72, 6503-6510.	2.2	38
20	Immunoproteomic Analysis of the Development of Natural Immunity in Subjects Colonized by <i>Neisseria meningitidis</i> Reveals Potential Vaccine Candidates. <i>Infection and Immunity</i> , 2009, 77, 5080-5089.	2.2	38
21	Lack of Immunity in University Students before an Outbreak of Serogroup C Meningococcal Infection. <i>Journal of Infectious Diseases</i> , 2000, 181, 1172-1175.	4.0	34
22	The <i>Neisseria meningitidis</i> Macrophage Infectivity Potentiator Protein Induces Cross-Strain Serum Bactericidal Activity and Is a Potential Serogroup B Vaccine Candidate. <i>Infection and Immunity</i> , 2011, 79, 3784-3791.	2.2	34
23	Activation of human dendritic cells by the PorA protein of <i>Neisseria meningitidis</i> . <i>Cellular Microbiology</i> , 2004, 6, 651-662.	2.1	33
24	Interactions of <i>Neisseria gonorrhoeae</i> with Mature Human Macrophage Opacity Proteins Influence Production of Proinflammatory Cytokines. <i>Infection and Immunity</i> , 2001, 69, 1909-1913.	2.2	32
25	Novel approaches to <i>Neisseria meningitidis</i> vaccine design. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	32
26	Multivalent liposome-based vaccines containing different serosubtypes of PorA protein induce cross-protective bactericidal immune responses against <i>Neisseria meningitidis</i> . <i>Vaccine</i> , 2006, 24, 36-44.	3.8	31
27	Expression of <i>Neisseria meningitidis</i> class 1 porin as a fusion protein in <i>Escherichia coli</i> : the influence of liposomes and adjuvants on the production of a bactericidal immune response. <i>Microbial Pathogenesis</i> , 1996, 21, 499-512.	2.9	30
28	Increase in Serotype 6C Pneumococcal Carriage, United Kingdom. <i>Emerging Infectious Diseases</i> , 2010, 16, 154-155.	4.3	30
29	Activation of Human Dendritic Cells Is Modulated by Components of the Outer Membranes of <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2003, 71, 5590-5597.	2.2	29
30	The Growing Threat of Gonococcal Blindness. <i>Antibiotics</i> , 2018, 7, 59.	3.7	27
31	Group B <i>Streptococcus</i> Interactions with Human Meningeal Cells and Astrocytes In Vitro. <i>PLoS ONE</i> , 2012, 7, e42660.	2.5	27
32	A candidate vaccine for human visceral leishmaniasis based on a specific T cell epitope-containing chimeric protein protects mice against <i>Leishmania infantum</i> infection. <i>Npj Vaccines</i> , 2020, 5, 75.	6.0	26
33	Expression of the class 1 outer-membrane protein of <i>Neisseria meningitidis</i> in <i>Escherichia coli</i> and purification using a self-cleavable affinity tag. <i>Protein Expression and Purification</i> , 2002, 26, 243-248.	1.3	24
34	Comparison of the Inflammatory Responses of Human Meningeal Cells following Challenge with <i>Neisseria lactamica</i> and with <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2006, 74, 6467-6478.	2.2	24
35	A Cyanobacterial Lipopolysaccharide Antagonist Inhibits Cytokine Production Induced by <i>Neisseria meningitidis</i> in a Human Whole-Blood Model of Septicemia. <i>Infection and Immunity</i> , 2008, 76, 3156-3163.	2.2	24
36	Immuno-proteomic analysis of human immune responses to experimental <i>Neisseria meningitidis</i> outer membrane vesicle vaccines identifies potential cross-reactive antigens. <i>Vaccine</i> , 2014, 32, 1280-1286.	3.8	23

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37	Signaling Mediated by Toll-Like Receptor 5 Sensing of <i>Pseudomonas aeruginosa</i> Flagellin Influences IL-1 β and IL-18 Production by Primary Fibroblasts Derived from the Human Cornea. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 130.	3.9	23
38	Structure of the <i>Neisseria</i> Adhesin Complex Protein (ACP) and its role as a novel lysozyme inhibitor. <i>PLoS Pathogens</i> , 2017, 13, e1006448.	4.7	23
39	Recombinant Protein Truncation Strategy for Inducing Bactericidal Antibodies to the Macrophage Infectivity Potentiator Protein of <i>Neisseria meningitidis</i> and Circumventing Potential Cross-Reactivity with Human FK506-Binding Proteins. <i>Infection and Immunity</i> , 2015, 83, 730-742.	2.2	22
40	<i>Neisseria gonorrhoeae</i> employs two protein inhibitors to evade killing by human lysozyme. <i>PLoS Pathogens</i> , 2018, 14, e1007080.	4.7	22
41	Liposomal Formulation of ChimeraT, a Multiple T-Cell Epitope-Containing Recombinant Protein, Is a Candidate Vaccine for Human Visceral Leishmaniasis. <i>Vaccines</i> , 2020, 8, 289.	4.4	18
42	Discovery of Cephalosporin-3 β -Diazoniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against <i>Pseudomonas aeruginosa</i> Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020, 6, 1460-1479.	3.8	18
43	Structure of the Recombinant <i>Neisseria gonorrhoeae</i> Adhesin Complex Protein (rNg-ACP) and Generation of Murine Antibodies with Bactericidal Activity against Gonococci. <i>MSphere</i> , 2018, 3, .	2.9	17
44	Effect of adjuvant composition on immune response to a multiple antigen peptide (MAP) containing a protective epitope from <i>Neisseria meningitidis</i> class 1 porin. <i>Vaccine</i> , 1999, 18, 131-139.	3.8	16
45	A DNA Fusion Vaccine Induces Bactericidal Antibodies to a Peptide Epitope from the PorA Porin of <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2008, 76, 334-338.	2.2	16
46	Differential expression of extracellular matrix components in the Fallopian tubes throughout the menstrual cycle. <i>Reproductive Biology and Endocrinology</i> , 2012, 10, 56.	3.3	16
47	<i>Neisseria</i> proteomics for antigen discovery and vaccine development. <i>Expert Review of Proteomics</i> , 2014, 11, 573-591.	3.0	16
48	Vaccine potential of bacterial macrophage infectivity potentiator (MIP)-like peptidyl prolyl <i>cis/trans</i> isomerase (PPIase) proteins. <i>Expert Review of Vaccines</i> , 2015, 14, 1633-1649.	4.4	16
49	Establishing an invertebrate <i>Galleria mellonella</i> greater wax moth larval model of <i>Neisseria gonorrhoeae</i> infection. <i>Virulence</i> , 2021, 12, 1900-1920.	4.4	16
50	Interactions of <i>Streptococcus suis</i> serotype 2 with human meningeal cells and astrocytes. <i>BMC Research Notes</i> , 2015, 8, 607.	1.4	15
51	Viral Inhibition of Bacterial Phagocytosis by Human Macrophages: Redundant Role of CD36. <i>PLoS ONE</i> , 2016, 11, e0163889.	2.5	15
52	Serological Correlates of Protection against Meningococci in a Cohort of University Students, before and during an Outbreak of Serogroup C Infection. <i>Journal of Infectious Diseases</i> , 2003, 187, 1433-1441.	4.0	14
53	Bactericidal Effect of 5-Mercapto-2-nitrobenzoic Acid-Coated Silver Nanoclusters against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27994-28003.	8.0	14
54	Detecting anti-SARS-CoV-2 antibodies in urine samples: A noninvasive and sensitive way to assay COVID-19 immune conversion. <i>Science Advances</i> , 2022, 8, eabn7424.	10.3	14

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55	<i>Neisseria gonorrhoeae</i> Pilus Attenuates Cytokine Response of Human Fallopian Tube Explants. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-7.	3.0	13
56	A rapid diagnostic test for human Visceral Leishmaniasis using novel <i>Leishmania</i> antigens in a Laser Direct-Write Lateral Flow Device. <i>Emerging Microbes and Infections</i> , 2019, 8, 1178-1185.	6.5	13
57	Immunization with recombinant truncated <i>Neisseria meningitidis</i> -Macrophage Infectivity Potentiator (rT-Nm-MIP) protein induces murine antibodies that are cross-reactive and bactericidal for <i>Neisseria gonorrhoeae</i> . <i>Vaccine</i> , 2018, 36, 3926-3936.	3.8	12
58	Genome-Based Bacterial Vaccines: Current State and Future Outlook. <i>BioDrugs</i> , 2013, 27, 419-430.	4.6	11
59	Co-Transcriptomes of Initial Interactions In Vitro between <i>Streptococcus Pneumoniae</i> and Human Pleural Mesothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0142773.	2.5	10
60	A putative amino acid ABC transporter substrate-binding protein, NMB1612, from <i>Neisseria meningitidis</i> , induces murine bactericidal antibodies against meningococci expressing heterologous NMB1612 proteins. <i>Vaccine</i> , 2015, 33, 4486-4494.	3.8	10
61	Coadministration of the cyanobacterial lipopolysaccharide antagonist CyP with antibiotic inhibits cytokine production by an in vitro meningitis model infected with <i>Neisseria meningitidis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 1145-1154.	3.0	9
62	Recombinant meningococcal PorA protein, expressed using a vector system with potential for human vaccination, induces a bactericidal immune response. <i>Vaccine</i> , 2004, 22, 1564-1569.	3.8	7
63	Immunization with recombinant Chaperonin60 (Chp60) outer membrane protein induces a bactericidal antibody response against <i>Neisseria meningitidis</i> . <i>Vaccine</i> , 2013, 31, 2584-2590.	3.8	7
64	Dual RNASeq Reveals NTHi-Macrophage Transcriptomic Changes During Intracellular Persistence. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 723481.	3.9	7
65	A SARS-CoV-2 nucleocapsid ELISA represents a low-cost alternative to lateral flow testing for community screening in LMI countries. <i>Journal of Infection</i> , 2022, 84, 48-55.	3.3	7
66	<i>Neisseria gonorrhoeae</i> Challenge Increases Matrix Metalloproteinase-8 Expression in Fallopian Tube Explants. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 399.	3.9	6
67	Morphological and cytokine profiles as key parameters to distinguish between Gram-negative and Gram-positive bacterial keratitis. <i>Scientific Reports</i> , 2020, 10, 20092.	3.3	6
68	Apoptosis related genes expressed in cultured Fallopian tube epithelial cells infected in vitro with <i>Neisseria gonorrhoeae</i> . <i>Biological Research</i> , 2007, 40, .	3.4	6
69	A recombinant <i>Leishmania</i> amastigote-specific protein, rLiHyG, with adjuvants, protects against infection with <i>Leishmania infantum</i> . <i>Acta Tropica</i> , 2022, 230, 106412.	2.0	6
70	Recombinant Proteins in Vaccine Development. , 2001, 66, 167-180.		5
71	Nitric oxide is not involved in <i>Neisseria gonorrhoeae</i> -induced cellular damage of human Fallopian tubes in vitro. <i>Biological Research</i> , 2010, 43, .	3.4	5
72	Vaccine Potential and Diversity of the Putative Cell Binding Factor (CBF, NMB0345/NEIS1825) Protein of <i>Neisseria meningitidis</i> . <i>PLoS ONE</i> , 2016, 11, e0160403.	2.5	5

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73	Modified profile of matrix metalloproteinase-2 and -9 production by human Fallopian tube epithelial cells following infection in vitro with <i>Neisseria gonorrhoeae</i> . <i>Journal of Infectious Diseases</i> , 2016, 215, jiw568.	4.0	5
74	The NarE protein of <i>Neisseria gonorrhoeae</i> catalyzes ADP-ribosylation of several ADP-ribose acceptors despite an N-terminal deletion. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw181.	1.8	5
75	Feasibility of Using a Luminescence-Based Method to Determine Serum Bactericidal Activity against <i>Neisseria gonorrhoeae</i> . <i>Vaccines</i> , 2019, 7, 191.	4.4	5
76	Potential of recombinant LiHyQ, a novel <i>Leishmania infantum</i> protein, for the diagnosis of canine visceral leishmaniasis and as a diagnostic and prognostic marker for human leishmaniasis and human immunodeficiency virus co-infection: A preliminary study. <i>Acta Tropica</i> , 2021, 224, 106126.	2.0	4
77	Update on the <i>Neisseria</i> Macrophage Infectivity Potentiator-Like PPLase Protein. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 861489.	3.9	4
78	Potential of the adhesin complex protein of <i>Neisseria meningitidis</i> for next-generation meningococcal vaccines. <i>Expert Review of Vaccines</i> , 2013, 12, 981-984.	4.4	3
79	Draft Genome Sequence of <i>Dichelobacter nodosus</i> ATCC 25549, Strain VPI 2340 [11342], a Bacterium Causing Footrot in Sheep. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
80	Effect of Different Antibiotic Chemotherapies on <i>Pseudomonas aeruginosa</i> Infection In Vitro of Primary Human Corneal Fibroblast Cells. <i>Frontiers in Microbiology</i> , 2017, 8, 1614.	3.5	3
81	Characterization of two putative <i>Dichelobacter nodosus</i> footrot vaccine antigens identifies the first lysozyme inhibitor in the genus. <i>Scientific Reports</i> , 2019, 9, 10055.	3.3	3
82	Use of Human Fallopian Tube Organ in Culture (FTOC) and Primary Fallopian Tube Epithelial Cells (FTEC) to Study the Biology of <i>Neisseria gonorrhoeae</i> Infection. <i>Methods in Molecular Biology</i> , 1997, 377-402.	0.9	3
83	Analysis of the Immune Response to <i>Neisseria meningitidis</i> Using a Proteomics Approach. <i>Methods in Molecular Biology</i> , 2012, 799, 343-360.	0.9	3
84	Sensitive and specific serodiagnosis of tegumentary leishmaniasis using a new chimeric protein based on specific B-cell epitopes of <i>Leishmania</i> antigenic proteins. <i>Microbial Pathogenesis</i> , 2022, 162, 105341.	2.9	3
85	<i>Leishmania</i> LiHyC protein is immunogenic and induces protection against visceral leishmaniasis. <i>Parasite Immunology</i> , 2022, 44, e12921.	1.5	3
86	Apoptosis related genes expressed in cultured Fallopian tube epithelial cells infected in vitro with <i>Neisseria gonorrhoeae</i> . <i>Biological Research</i> , 2007, 40, 319-27.	3.4	3
87	Preparation of Lipooligosaccharide (LOS) from <i>Neisseria gonorrhoeae</i> . <i>Methods in Molecular Biology</i> , 2019, 1997, 87-96.	0.9	2
88	<i>Pseudomonas aeruginosa</i> host-pathogen interactions in human corneal infection models. <i>Journal of EuCornea</i> , 2020, 7, 8-16.	0.5	2
89	The potential utility of liposomes for <i>Neisseria</i> vaccines. <i>Expert Review of Vaccines</i> , 2021, 20, 1-22.	4.4	2
90	ChimLeish, a new recombinant chimeric protein evaluated as a diagnostic and prognostic marker for visceral leishmaniasis and human immunodeficiency virus coinfection. <i>Parasitology Research</i> , 2021, 120, 4037-4047.	1.6	2

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91	Evidence of homologous recombination as a driver of diversity in <i>Brachyspira pilosicoli</i> . <i>Microbial Genomics</i> , 2020, 6, .	2.0	2
92	Recombinant guanosine-5â€²-triphosphate (GTP)-binding protein associated with Poloxamer 407-based polymeric micelles protects against <i>Leishmania infantum</i> infection. <i>Cytokine</i> , 2022, 153, 155865.	3.2	2
93	In Silico Design of Recombinant Chimera T Cell Peptide Epitope Vaccines for Visceral Leishmaniasis. <i>Methods in Molecular Biology</i> , 2022, 2410, 463-480.	0.9	2
94	Preclinical Assessment of the Immunogenicity of Experimental <i>Leishmania</i> Vaccines. <i>Methods in Molecular Biology</i> , 2022, 2410, 481-502.	0.9	2
95	Epitope Mapping. , 2001, 66, 361-370.		1
96	Basic Methods for Examining <i>Neisseria gonorrhoeae</i> Interactions with Host Cells In Vitro. <i>Methods in Molecular Biology</i> , 2019, 1997, 281-299.	0.9	1
97	Toll-Like Receptor 4 Interactions with <i>Neisseria</i> . <i>Agents and Actions Supplements</i> , 2021, , 79-91.	0.2	1
98	Neuropeptide Î±-MSH exerts pro-inflammatory effects on <i>Neisseria meningitidis</i> infection in vitro. <i>Inflammation Research</i> , 2010, 59, 105-113.	4.0	0
99	A DNA Vaccine Strategy for Effective Antibody Induction to Pathogen-Derived Antigens. <i>Methods in Molecular Biology</i> , 2012, 799, 405-419.	0.9	0