SiobhÃ¡n McClean

List of Publications by Year
in descending order

85 papers	3,817 citations	126907 33 h-index	138484 58 g-index
88 all docs	88 docs citations	88 times ranked	5166 citing authors

#	Article	IF	Citations
1	Protein with negative surface charge distribution, Bnr1, shows characteristics of a DNAâ€mimic protein and may be involved in the adaptation of Burkholderia cenocepacia. MicrobiologyOpen, 2022, 11, e1264.	3.0	3
2	A chronic strain of the cystic fibrosis pathogen Pandoraea pulmonicola expresses a heterogenous hypo-acylated lipid A. Glycoconjugate Journal, 2021, 38, 135-144.	2.7	5
3	Pseudomonas aeruginosa: An Audacious Pathogen with an Adaptable Arsenal of Virulence Factors. International Journal of Molecular Sciences, 2021, 22, 3128.	4.1	230
4	Rational Vaccine Design in Times of Emerging Diseases: The Critical Choices of Immunological Correlates of Protection, Vaccine Antigen and Immunomodulation. Pharmaceutics, 2021, 13, 501.	4.5	15
5	Mapping Global Prevalence of Acinetobacter baumannii and Recent Vaccine Development to Tackle It. Vaccines, 2021, 9, 570.	4.4	38
6	BpOmpW Antigen Stimulates the Necessary Protective T-Cell Responses Against Melioidosis. Frontiers in Immunology, 2021, 12, 767359.	4.8	6
7	Understanding Pseudomonas aeruginosaâ€“Host Interactions: The Ongoing Quest for an Efficacious Vaccine. Cells, 2020, 9, 2617.	4.1	39
8	The prevalence of Aspergillus fumigatus in early cystic fibrosis disease is underestimated by culture-based diagnostic methods. Journal of Microbiological Methods, 2019, 164, 105683.	1.6	17
9	Copper(II) complexes of coumarin-derived Schiff base ligands: Pro- or antioxidant activity in MCF-7 cells?. Journal of Inorganic Biochemistry, 2019, 197, 110702.	3.5	25
10	Virulence factors of Moraxella catarrhalis outer membrane vesicles are major targets for cross-reactive antibodies and have adapted during evolution. Scientific Reports, 2018, 8, 4955.	3.3	26
11	Increased Virulence of Bloodstream Over Peripheral Isolates of P. aeruginosa Identified Through Post-transcriptional Regulation of Virulence Factors. Frontiers in Cellular and Infection Microbiology, 2018, 8, 357.	3.9	16
12	The involvement of the low-oxygen-activated locus of Burkholderia cenocepacia in adaptation during cystic fibrosis infection. Scientific Reports, 2018, 8, 13386.	3.3	7
13	Aspergillus fumigatus Inhibits Pseudomonas aeruginosa in Co-culture: Implications of a Mutually Antagonistic Relationship on Virulence and Inflammation in the CF Airway. Frontiers in Microbiology, 2018, 9, 1205.	3.5	77
14	Burkholderia cenocepacia Prophagesâ€”Prevalence, Chromosome Location and Major Genes Involved. Viruses, 2018, 10, 297.	3.3	16
15	Genomic characterisation of an international Pseudomonas aeruginosa reference panel indicates that the two major groups draw upon distinct mobile gene pools. FEMS Microbiology Letters, 2018, 365, .	1.8	67
16	Quantum Dot Nanotoxicity Investigations Using Human Lung Cells and TOXOR Electrochemical Enzyme Assay Methodology. ACS Sensors, 2017, 2, 165-171.	7.8	11
17	Co-colonisation with Aspergillus fumigatus and Pseudomonas aeruginosa is associated with poorer health in cystic fibrosis patients: an Irish registry analysis. BMC Pulmonary Medicine, 2017, 17, 70.	2.0	85
18	Hypoxia Reduces the Pathogenicity of Pseudomonas aeruginosa by Decreasing the Expression of Multiple Virulence Factors. Journal of Infectious Diseases, 2017, 215, 1459-1467.	4.0	22

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19	Sequential Burkholderia cenocepacia Isolates from Siblings with Cystic Fibrosis Show Increased Lung Cell Attachment. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 832-835.	5.6	9
20	A portable chemical toxicity biochip based on electronic enzymatic monitoring of cytotoxic effects on fish cells. Sensors and Actuators B: Chemical, 2017, 243, 271-278.	7.8	2
21	TheBurkholderia cenocepaciapeptidoglycan-associated lipoprotein is involved in epithelial cell attachment and elicitation of inflammation. Cellular Microbiology, 2017, 19, e12691.	2.1	28
22	The Role of Universal Stress Proteins in Bacterial Infections. Current Medicinal Chemistry, 2017, 24, 3970-3979.	2.4	39
23	Water-soluble and photo-stable silver(I) dicarboxylate complexes containing 1,10-phenanthroline ligands: Antimicrobial and anticancer chemotherapeutic potential, DNA interactions and antioxidant activity. Journal of Inorganic Biochemistry, 2016, 159, 120-132.	3.5	52
24	Identification of an OmpW homologue in Burkholderia pseudomallei, a protective vaccine antigen against melioidosis. Vaccine, 2016, 34, 2616-2621.	3.8	34
25	Novel silver(I) complexes of coumarin oxyacetate ligands and their phenanthroline adducts: Biological activity, structural and spectroscopic characterisation. Journal of Inorganic Biochemistry, 2016, 163, 53-67.	3.5	23
26	Prospects for subunit vaccines: Technology advances resulting in efficacious antigens requires matching advances in early clinical trial investment. Human Vaccines and Immunotherapeutics, 2016, 12, 3103-3106.	3.3	6
27	Linocin and OmpW Are Involved in Attachment of the Cystic Fibrosis-Associated Pathogen Burkholderia cepacia Complex to Lung Epithelial Cells and Protect Mice against Infection. Infection and Immunity, 2016, 84, 1424-1437.	2.2	41
28	Bacterial Adaptation during Chronic Respiratory Infections. Pathogens, 2015, 4, 66-89.	2.8	172
29	Investigation of the multifaceted iron acquisition strategies of Burkholderia cenocepacia. BioMetals, 2015, 28, 367-380.	4.1	29
30	In vitro and in vivo antibacterial activity of environmental bacteriophages against Pseudomonas aeruginosa strains from cystic fibrosis patients. Applied Microbiology and Biotechnology, 2015, 99, 6021-6033.	3.6	54
31	Spectroscopic studies, DFT calculations, and cytotoxic activity of novel silver(I) complexes of hydroxy ortho-substituted-nitro-2H-chromen-2-one ligands and a phenanthroline adduct. Journal of Inorganic Biochemistry, 2015, 153, 103-113.	3.5	18
32	TOXOR: Design and Application of an Electrochemical Toxicity Biosensor for Environmental Monitoring. Electroanalysis, 2015, 27, 58-66.	2.9	5
33	The Tyrosine Kinase BceF and the Phosphotyrosine Phosphatase BceD of Burkholderia contaminans Are Required for Efficient Invasion and Epithelial Disruption of a Cystic Fibrosis Lung Epithelial Cell Line. Infection and Immunity, 2015, 83, 812-821.	2.2	18
34	Phenotypic characterization of an international Pseudomonas aeruginosa reference panel: strains of cystic fibrosis (CF) origin show less in vivo virulence than non-CF strains. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13		
35	Exploiting Molecular Virulence Determinants in Burkholderia to Develop Vaccine Antigens. Current Medicinal Chemistry, 2015, 22, 1719-1733.	2.4	9
36	Reduced Eâ€cadherin expression is associated with abdominal pain and symptom duration in a study of alternating and diarrhea predominant <scp>IBS</scp>. Neurogastroenterology and Motility, 2014, 26, 316-325.	3.0	46

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37	Isolation and characterisation of silver(I) complexes of substituted coumarin-4-carboxylates which are effective against Pseudomonas aeruginosa biofilms. Polyhedron, 2014, 67, 549-559.	2.2	20
38	Inhibition of co-colonizing cystic fibrosis-associated pathogens by Pseudomonas aeruginosa and Burkholderia multivorans. Microbiology (United Kingdom), 2014, 160, 1474-1487.	1.8	33
39	Mast Cell Tryptase Reduces Junctional Adhesion Molecule-A (JAM-A) Expression in Intestinal Epithelial Cells: Implications for the Mechanisms of Barrier Dysfunction in Irritable Bowel Syndrome. American Journal of Gastroenterology, 2013, 108, 1140-1151.	0.4	93
40	Developing an international Pseudomonas aeruginosa reference panel. MicrobiologyOpen, 2013, 2, 1010-1023.	3.0	94
41	Immunoproteomic Analysis of Proteins Expressed by Two Related Pathogens, Burkholderia multivorans and Burkholderia cenocepacia, during Human Infection. PLoS ONE, 2013, 8, e80796.	2.5	35
42	Hypoxia Modulates Infection of Epithelial Cells by Pseudomonas aeruginosa. PLoS ONE, 2013, 8, e56491.	2.5	69
43	Proteomic Profiling of Burkholderia cenocepacia Clonal Isolates with Different Virulence Potential Retrieved from a Cystic Fibrosis Patient during Chronic Lung Infection. PLoS ONE, 2013, 8, e83065.	2.5	34
44	Interaction of environmental Burkholderia cenocepacia strains with cystic fibrosis and non-cystic fibrosis bronchial epithelial cells in vitro. Microbiology (United Kingdom), 2012, 158, 1325-1333.	1.8	13
45	Immunoproteomics: The Key to Discovery of New Vaccine Antigens Against Bacterial Respiratory Infections. Current Protein and Peptide Science, 2012, 13, 807-815.	1.4	23
46	Eight Stranded β -Barrel and Related Outer Membrane Proteins: Role in Bacterial Pathogenesis. Protein and Peptide Letters, 2012, 19, 1013-1025.	0.9	35
47	Copper(II) Complexes of Salicylic Acid Combining Superoxide Dismutase Mimetic Properties with DNA Binding and Cleaving Capabilities Display Promising Chemotherapeutic Potential with Fast Acting in Vitro Cytotoxicity against Cisplatin Sensitive and Resistant Cancer Cell Lines. Journal of Medicinal Chemistry, 2012, 55, 1957-1968.	6.4	146
48	Bacterial host interactions in cystic fibrosis. Current Opinion in Microbiology, 2012, 15, 71-77.	5.1	45
49	Radical-induced DNA damage by cytotoxic square-planar copper(II) complexes incorporating o-phthalate and 1,10-phenanthroline or 2,2â€²-dipyridyl. Free Radical Biology and Medicine, 2012, 53, 564-576.	2.9	64
50	Inhibition of Burkholderia multivorans Adhesion to Lung Epithelial Cells by Bivalent Lactosides. Molecules, 2012, 17, 10065-10071.	3.8	2
51	Structural Study of the Lipopolysaccharide Oâ€Antigen Produced by the Emerging Cystic Fibrosis Pathogen Pandoraea pulmonicola. European Journal of Organic Chemistry, 2012, 2012, 2243-2249.	2.4	8
52	Bis-phenanthroline copper(ii) phthalate complexes are potent in vitro antitumour agents with â€˜self-activatingâ€™ metallo-nuclease and DNA binding properties. Dalton Transactions, 2011, 40, 1024-1027.	3.3	98
53	IL-8 released from human lung epithelial cells induced by cystic fibrosis pathogens Burkholderia cepacia complex affects the growth and intracellular survival of bacteria. International Journal of Medical Microbiology, 2011, 301, 26-33.	3.6	33
54	Virulence of an emerging respiratory pathogen, genus Pandoraea, in vivo and its interactions with lung epithelial cells. Journal of Medical Microbiology, 2011, 60, 289-299.	1.8	45

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55	Activation of MMP-9 by human lung epithelial cells in response to the cystic fibrosis-associated pathogen Burkholderia cenocepacia reduced wound healing in vitro. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L575-L586.	2.9	12
56	Quinolin-2(1H)-one-triazole derived Schiff bases and their Cu(II) and Zn(II) complexes: Possible new therapeutic agents. Polyhedron, 2010, 29, 813-822.	2.2	80
57	Impact of amino acid replacements on in vitro permeation enhancement and cytotoxicity of the intestinal absorption promoter, melittin. International Journal of Pharmaceutics, 2010, 387, 154-160.	5.2	27
58	Real-time PCR method for the quantification ofBurkholderia cepaciacomplex attached to lung epithelial cells and inhibition of that attachment. Letters in Applied Microbiology, 2010, 50, 500-506.	2.2	7
59	Macrophage responses to CF pathogens: JNK MAP kinase signaling by Burkholderia cepacia complex lipopolysaccharide. FEMS Immunology and Medical Microbiology, 2010, 60, 36-43.	2.7	10
60	Biological activity and coordination modes of copper(ii) complexes of Schiff base-derived coumarin ligands. Dalton Transactions, 2010, 39, 10854.	3.3	59
61	Invasion of Burkholderia cepacia complex isolates into lung epithelial cells involves glycolipid receptors. Microbial Pathogenesis, 2010, 49, 381-387.	2.9	8
62	Burkholderia cepacia complex: epithelial cellâ€“pathogen confrontations and potential for therapeutic intervention. Journal of Medical Microbiology, 2009, 58, 1-12.	1.8	62
63	Evaluation of intestinal absorption and mucosal toxicity using two promoters. II. Rat instillation and perfusion studies. European Journal of Pharmaceutical Sciences, 2009, 38, 301-311.	4.0	32
64	Chemical Modification of the Carboxyl Terminal of Nisin A with Biotin does not Abolish Antimicrobial Activity Against the Indicator Organism, Kocuria rhizophila. International Journal of Peptide Research and Therapeutics, 2009, 15, 219-226.	1.9	9
65	Melittin exhibits necrotic cytotoxicity in gastrointestinal cells which is attenuated by cholesterol. Biochemical Pharmacology, 2008, 75, 1104-1114.	4.4	75
66	Evaluation of in vitro virulence characteristics of the genus Pandoraea in lung epithelial cells. Journal of Medical Microbiology, 2008, 57, 15-20.	1.8	44
67	Cracking the Junction: Update on the Progress of Gastrointestinal Absorption Enhancement in the Delivery of Poorly Absorbed Drugs. Critical Reviews in Therapeutic Drug Carrier Systems, 2008, 25, 117-168.	2.2	47
68	The effect of recombinant human lactoferrin on growth and the antibiotic susceptibility of the cystic fibrosis pathogen Burkholderia cepacia complex when cultured planktonically or as biofilms. Journal of Antimicrobial Chemotherapy, 2007, 60, 546-554.	3.0	30
69	Invasion and biofilm formation of Burkholderia dolosa is comparable with Burkholderia cenocepacia and Burkholderia multivorans. Journal of Cystic Fibrosis, 2007, 6, 49-56.	0.7	37
70	Melittin as a Permeability Enhancer II: In Vitro Investigations in Human Mucus Secreting Intestinal Monolayers and Rat Colonic Mucosae. Pharmaceutical Research, 2007, 24, 1346-1356.	3.5	31
71	Melittin as an Epithelial Permeability Enhancer I: Investigation of Its Mechanism of Action in Caco-2 Monolayers. Pharmaceutical Research, 2007, 24, 1336-1345.	3.5	35
72	Comparison of antibiotic susceptibility of Burkholderia cepacia complex organisms when grown planktonically or as biofilm in vitro. European Journal of Clinical Microbiology and Infectious Diseases, 2007, 26, 213-216.	2.9	84

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73	Role of lipase in Burkholderia cepacia complex (Bcc) invasion of lung epithelial cells. European Journal of Clinical Microbiology and Infectious Diseases, 2007, 26, 869-877.	2.9	27
74	Differences in invasion and translocation of Burkholderia cepacia complex species in polarised lung epithelial cells in vitro. Microbial Pathogenesis, 2006, 41, 183-192.	2.9	43
75	Investigation of the cytotoxicity of eukaryotic and prokaryotic antimicrobial peptides in intestinal epithelial cells in vitro. Biochemical Pharmacology, 2006, 71, 1289-1298.	4.4	215
76	Protection against Bordetella pertussis infection following parenteral or oral immunization with antigens entrapped in biodegradable particles: effect of formulation and route of immunization on induction of Th1 and Th2 cells. Vaccine, 2001, 19, 1940-1950.	3.8	115
77	Encapsulation in biodegradable microparticles enhances serum antibody response to parenterally-delivered Î²-amyloid in mice. Vaccine, 2001, 19, 4185-4193.	3.8	22
78	Binding and uptake of biodegradable poly-dl-lactide micro- and nanoparticles in intestinal epithelia. European Journal of Pharmaceutical Sciences, 1998, 6, 153-163.	4.0	250
79	Differential cytotoxic effects of docetaxel in a range of mammalian tumor cell lines and certain drug resistant sublinesin vitro. Investigational New Drugs, 1994, 12, 169-182.	2.6	98
80	Identification of a distinctive p-glycoprotein-mediated resistance phenotype in human ovarian carcinoma cells after their in vitro exposure to fractionated x-irradiation. Cancer, 1994, 73, 2990-2999.	4.1	20
81	Modified multiple drug resistance phenotype of Chinese hamster ovary cells selected with X-rays and vincristine versus X-rays only. British Journal of Cancer, 1994, 69, 711-716.	6.4	5
82	Evidence of post-translational regulation of P-glycoprotein associated with the expression of a distinctive multiple drug-resistant phenotype in Chinese hamster ovary cells. European Journal of Cancer, 1993, 29, 2243-2248.	2.8	29
83	Characterization of the P-glycoprotein over-expressing drug resistance phenotype exhibited by Chinese hamster ovary cells following their in-vitro exposure to fractionated X-irradiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1177, 117-126.	4.1	22
84	Expression of P-glycoprotein-mediated Drug Resistance in CHO Cells Surviving a Single X-ray Dose of 30 Gy. International Journal of Radiation Biology, 1993, 63, 765-773.	1.8	25
85	Expression of drug resistance in Chinese hamster ovary (CHO) cells following X-ray pre-treatment in vitro.. Biochemical Society Transactions, 1991, 19, 278S-278S.	3.4	2