Michael Duchene

List of Publications by Year
in descending order

66 papers	3,780 citations	172457 29 h-index	123424 61 g-index
66 all docs	66 docs citations	66 times ranked	3187 citing authors

#	Article	IF	Citations
1	Expression in Escherichia coli and Purification of Folded rDer p 20, the Arginine Kinase From Dermatophagoides pteronyssinus: A Possible Biomarker for Allergic Asthma. Allergy, Asthma and Immunology Research, 2021, 13, 154.	2.9	14
2	Activity of methylgerambullin from Glycosmis species (Rutaceae) against Entamoeba histolytica and Giardia duodenalis in vitro. International Journal for Parasitology: Drugs and Drug Resistance, 2019, 10, 109-117.	3.4	10
3	Genetic Variation of Bordetella pertussis in Austria. PLoS ONE, 2015, 10, e0132623.	2.5	17
4	Molecular and biochemical characterization of Entamoeba histolytica fructokinase. Parasitology Research, 2015, 114, 1939-1947.	1.6	5
5	<scp>T</scp>richomonas vaginalis flavin reductase 1 and its role in metronidazole resistance. Molecular Microbiology, 2014, 91, 198-208.	2.5	50
6	Unexpected properties of NADP-dependent secondary alcohol dehydrogenase (ADH-1) in Trichomonas vaginalis and other microaerophilic parasites. Experimental Parasitology, 2013, 134, 374-380.	1.2	9
7	Entamoeba histolytica: identification of thioredoxin-targeted proteins and analysis of serine acetyltransferase-1 as a prototype example. Biochemical Journal, 2013, 451, 277-288.	3.7	32
8	Nitroimidazole drugs vary in their mode of action in the human parasite Giardia lamblia. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 166-170.	3.4	51
9	Down-regulation of flavin reductase and alcohol dehydrogenase-1 (ADH1) in metronidazole-resistant isolates of Trichomonas vaginalis. Molecular and Biochemical Parasitology, 2012, 183, 177-183.	1.1	36
10	Thioredoxin from the Indianmeal Moth Plodia interpunctella: Cloning and Test of the Allergenic Potential in Mice. PLoS ONE, 2012, 7, e42026.	2.5	12
11	Pyruvate:ferredoxin oxidoreductase and thioredoxin reductase are involved in 5-nitroimidazole activation while flavin metabolism is linked to 5-nitroimidazole resistance in Giardia lamblia. Journal of Antimicrobial Chemotherapy, 2011, 66, 1756-1765.	3.0	103
12	In vitro activity of N-chlorotaurine (NCT) in combination with NH4Cl against Trichomonas vaginalis. International Journal of Antimicrobial Agents, 2011, 37, 171-173.	2.5	12
13	Anti-Leishmanial Activity of Plant-Derived Acridones, Flavaglines, and Sulfur-Containing Amides. Vector-Borne and Zoonotic Diseases, 2011, 11, 793-798.	1.5	11
14	The flavin inhibitor diphenyleneiodonium renders Trichomonas vaginalis resistant to metronidazole, inhibits thioredoxin reductase and flavin reductase, and shuts off hydrogenosomal enzymatic pathways. Molecular and Biochemical Parasitology, 2010, 171, 17-24.	1.1	49
15	Proteomic aspects of Parachlamydia acanthamoebae infection in Acanthamoeba spp.. ISME Journal, 2010, 4, 1366-1374.	9.8	10
16	Major Role for Cysteine Proteases during the Early Phase of Acanthamoeba castellanii Encystment. Eukaryotic Cell, 2010, 9, 611-618.	3.4	52
17	High antitrypanosomal activity of plant-derived sulphur-containing amides. International Journal of Antimicrobial Agents, 2010, 36, 570-572.	2.5	9
18	Anti-Acanthamoeba efficacy and toxicity of miltefosine in an organotypic skin equivalent. Journal of Antimicrobial Chemotherapy, 2009, 64, 539-545.	3.0	36

#	Article	IF	Citations
19	Trichomonas vaginalis: metronidazole and other nitroimidazole drugs are reduced by the flavin enzyme thioredoxin reductase and disrupt the cellular redox system. Implications for nitroimidazole toxicity and resistance. Molecular Microbiology, 2009, 72, 518-536.	2.5	125
20	Acanthamoeba castellaniiÃ¢Â€Âƒ: growth on human cell layers reactivates attenuated properties after prolonged axenic culture. FEMS Microbiology Letters, 2009, 299, 121-127.	1.8	30
21	Acanthamoeba strains lose their abilities to encyst synchronously upon prolonged axenic culture. Parasitology Research, 2008, 102, 1069-1072.	1.6	36
22	Entamoeba histolytica: Response of the parasite to metronidazole challenge on the levels of mRNA and protein expression. Experimental Parasitology, 2008, 120, 403-410.	1.2	19
23	Nitroimidazole Action in Entamoeba histolytica: A Central Role for Thioredoxin Reductase. PLoS Biology, 2007, 5, e211.	5.6	135
24	Development of a pharmacodynamic screening model with Entamoeba histolytica. Wiener Klinische Wochenschrift, 2007, 119, 88-95.	1.9	4
25	Comparison of the proteome profiles of Entamoeba histolytica and its close but non-pathogenic relative Entamoeba dispar. Wiener Klinische Wochenschrift, 2006, 118, 37-41.	1.9	9
26	The genome of the protist parasite Entamoeba histolytica. Nature, 2005, 433, 865-868.	27.8	783
27	Entamoeba histolytica: Analysis of the trophozoite proteome by two-dimensional polyacrylamide gel electrophoresis. Experimental Parasitology, 2005, 110, 191-195.	1.2	24
28	Entamoeba histolytica: Construction and applications of subgenomic databases. Experimental Parasitology, 2005, 110, 178-183.	1.2	2
29	Association of autoantibodies against small nuclear ribonucleoproteins (snRNPs) with symptomatic Toxocara canis infestation. Parasite Immunology, 2004, 26, 327-333.	1.5	14
30	Entamoeba histolytica trophozoites transfer lipophosphopeptidoglycans to enteric cell layers. International Journal for Parasitology, 2004, 34, 549-556.	3.1	14
31	Antiprotozoal activities of phospholipid analogues. Molecular and Biochemical Parasitology, 2003, 126, 165-172.	1.1	161
32	Humoral immune response against proteophosphoglycan surface antigens ofEntamoeba histolyticaelicited by immunization with synthetic mimotope peptides. FEMS Immunology and Medical Microbiology, 2003, 37, 179-183.	2.7	12
33	Microarrayed allergen molecules: diagnostic gatekeepers for allergy treatment. FASEB Journal, 2002, 16, 414-416.	0.5	420
34	A Monoclonal Antibody to the Amebic Lipophosphoglycan-Proteophosphoglycan Antigens Can Prevent Disease in Human Intestinal Xenografts Infected with Entamoeba histolytica. Infection and Immunity, 2002, 70, 5873-5876.	2.2	22
35	Cytotoxic Activities of Alkylphosphocholines against Clinical Isolates of Acanthamoeba spp. Antimicrobial Agents and Chemotherapy, 2002, 46, 695-701.	3.2	109
36	Antigenicity and immunogenicity of phage library-selected peptide mimics of the major surface proteophosphoglycan antigens of Entamoeba histolytica. Parasite Immunology, 2002, 24, 321-328.	1.5	17

#	Article	IF	Citations
37	Recombinant dissection of myosin heavy chain of Toxocara canis shows strong clustering of antigenic regions. Parasitology Research, 2001, 87, 383-389.	1.6	11
38	Molecular and Immunological Characterization of Arginine Kinase from the Indianmeal Moth,Plodia interpunctella, a Novel Cross-Reactive Invertebrate Pan-Allergen. Journal of Immunology, 2001, 167, 5470-5477.	0.8	176
39	A New Approach for Chemotherapy Against Entamoeba histolytica. Archives of Medical Research, 2000, 31, S6-S7.	3.3	3
40	Isolation of Phage Mimotopes Mimicking a Protective Epitope of GPI-Linked Proteophosphoglycan Antigens of Entamoeba histolytica. Archives of Medical Research, 2000, 31, S309-S310.	3.3	0
41	Differences in substrate specificity and kinetic properties of the recombinant hexokinases HXK1 and HXK2 from Entamoeba histolytica. Molecular and Biochemical Parasitology, 2000, 105, 71-80.	1.1	23
42	Protection against Invasive Amebiasis by a Single Monoclonal Antibody Directed against a Lipophosphoglycan Antigen Localized on the Surface of Entamoeba histolytica. Journal of Experimental Medicine, 1997, 186, 1557-1565.	8.5	67
43	Molecular and biochemical characterization of phosphoglucomutases from Entamoeba histolytica and Entamoeba dispar1Note: Nucleotide sequence data from the Entamoeba phosphoglucomutases reported in this paper are available in the EMBL, GenBankâ„¢ and DDJB data bases under the accession numbers Y14444 (E. histolytica) and Y14445 (E. dispar).1. Molecular and Biochemical Parasitology, 1997, 90, 121-129.	1.1	16
44	Common IgE-epitopes of recombinant Phl p I, the major timothy grass pollen allergen and natural group I grass pollen isoallergens. Molecular Immunology, 1996, 33, 417-426.	2.2	38
45	The sequence and organization of the core histone H3 and H4 genes in the early branching amitochondriate protistTrichomonas vaginalis. Journal of Molecular Evolution, 1996, 43, 563-571.	1.8	17
46	Immunological and structural similarities among allergens: Prerequisite for a specific and componentâ€based therapy of allergy. Immunology and Cell Biology, 1996, 74, 187-194.	2.3	57
47	Phosphorothioate Oligonucleotides Reduce Melanoma Growth in a SCID-hu Mouse Model by a Nonantisense Mechanism. Antisense Research and Development, 1995, 5, 271-277.	3.1	44
48	The basic isoform of profilin in pathogenic Entamoeba histolytica. cDNA Cloning, Heterologous Expression, and Actin-Binding Properties. FEBS Journal, 1995, 233, 976-981.	0.2	27
49	Sequence and organization of an unusual histone H4 gene in the human parasite Entamoeba histolytica. Molecular and Biochemical Parasitology, 1995, 71, 243-247.	1.1	26
50	Molecular analysis of two hexokinase isoenzymes from Entamoeba histolytica. Molecular and Biochemical Parasitology, 1995, 73, 189-198.	1.1	17
51	T-cell epitopes of Phl p 1, major pollen allergen of timothy grass (Phleum pratense): Evidence for crossreacting and non-crossreacting T-cell epitopes within grass group I allergens. Journal of Allergy and Clinical Immunology, 1995, 96, 986-996.	2.9	82
52	An intron-containing gene coding for a novel 39-kilodalton antigen of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1994, 66, 181-185.	1.1	26
53	IgE-binding capacity of recombinant timothy grass (Phleum pratense) pollen allergens. Journal of Allergy and Clinical Immunology, 1994, 94, 88-94.	2.9	61
54	Protection of immunosuppressed mice against translocation of Pseudomonas aeruginosa from the gut by oral immunization with recombinant Pseudomonas aeruginosa outer membrane protein I expressing Salmonella dublin. Vaccine, 1994, 12, 1215-1221.	3.8	18

#	Article	IF	Citations
55	Pathogenic Entamoeba histolytica: cDNA cloning of a histone H3 with a divergent primary structure. Molecular and Biochemical Parasitology, 1993, 59, 315-322.	1.1	34
56	Properties of Tree and Grass Pollen Allergens: Reinvestigation of the Linkage between Solubility and Allergenicity. International Archives of Allergy and Immunology, 1993, 102, 160-169.	2.1	130
57	Molecular Characterization of the cDNA Coding for Translation Elongation Factor-2 of Pathogenic Entamoeba histolytica. DNA and Cell Biology, 1993, 12, 89-96.	1.9	12
58	Profilin, a Novel Plant Pan-Allergen. International Archives of Allergy and Immunology, 1992, 99, 271-273.	2.1	46
59	Complementary DNA cloning and expression in Escherichia coli of Aln g I, the major allergen in pollen of alder (Alnus glutinosa). Journal of Allergy and Clinical Immunology, 1992, 90, 909-917.	2.9	91
60	Recombinant allergens for immunoblot diagnosis of tree-pollen allergy. Journal of Allergy and Clinical Immunology, 1991, 88, 889-894.	2.9	156
61	A Low Molecular Weight Allergen of White Birch <i>(Betula verrucosa</i><i>)</i> Is Highly Homologous to Human Profilin. International Archives of Allergy and Immunology, 1991, 94, 368-370.	2.1	23
62	Molecular consequences of truncations of the first exon forin vitrosplicing of yeast actin pre-mRNA. Nucleic Acids Research, 1988, 16, 7233-7239.	14.5	13
63	Levels of collagen mRNA in dedifferentiating chondrocytes. Experimental Cell Research, 1982, 142, 317-324.	2.6	33
64	Effects of procollagen peptides on the translation of type II collagen messenger ribonucleic acid and on collagen biosynthesis in chondrocytes. Biochemistry, 1981, 20, 3523-3527.	2.5	56
65	In vitro synthesis and degradation of collagen by chick chondrocytes and fibroblasts. FEBS Letters, 1981, 135, 119-122.	2.8	8
66	Crystal and molecular structure of quinolinium trichlorodimethylstannate(IV). Journal of the Chemical Society Dalton Transactions, 1975, , 2230.	1.1	15