

Alain Charbit

List of Publications by Year in descending order

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111
papers

4,452
citations

81900

39
h-index

128289

60
g-index

119
all docs

119
docs citations

119
times ranked

4490
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the agr Locus of <i>Listeria monocytogenes</i> : Role in Bacterial Virulence. <i>Infection and Immunity</i> , 2003, 71, 4463-4471.	2.2	150
2	Glutathione Provides a Source of Cysteine Essential for Intracellular Multiplication of <i>Francisella tularensis</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000284.	4.7	121
3	Versatility of a vector for expressing foreign polypeptides at the surface of Gram-negative bacteria. <i>Gene</i> , 1988, 70, 181-189.	2.2	118
4	High efficiency transformation of <i>Salmonella typhimurium</i> and <i>Salmonella typhi</i> by electroporation. <i>Molecular Genetics and Genomics</i> , 1990, 223, 156-158.	2.4	116
5	The Sortase SrtA of <i>Listeria monocytogenes</i> Is Involved in Processing of Internalin and in Virulence. <i>Infection and Immunity</i> , 2002, 70, 1382-1390.	2.2	112
6	The metabolic enzyme fructose-1,6-bisphosphate aldolase acts as a transcriptional regulator in pathogenic <i>Francisella</i> . <i>Nature Communications</i> , 2017, 8, 853.	12.8	111
7	Identification of New Genes Involved in the Virulence of <i>Listeria monocytogenes</i> by Signature-Tagged Transposon Mutagenesis. <i>Infection and Immunity</i> , 2001, 69, 2054-2065.	2.2	105
8	Listeriolysin O: a key protein of <i>Listeria monocytogenes</i> with multiple functions. <i>FEMS Microbiology Reviews</i> , 2006, 30, 514-529.	8.6	102
9	Mutagenesis by random linker insertion into the lamB gene of <i>Escherichia coli</i> K12. <i>Molecular Genetics and Genomics</i> , 1986, 205, 339-348.	2.4	99
10	Role of the <i>wbt</i> Locus of <i>Francisella tularensis</i> in Lipopolysaccharide O-Antigen Biogenesis and Pathogenicity. <i>Infection and Immunity</i> , 2007, 75, 536-541.	2.2	94
11	Hfq, a Novel Pleiotropic Regulator of Virulence-Associated Genes in <i>Francisella tularensis</i> . <i>Infection and Immunity</i> , 2009, 77, 1866-1880.	2.2	93
12	Sortase B, a New Class of Sortase in <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1972-1982.	2.2	92
13	The heat shock protein ClpB of <i>Francisella tularensis</i> is involved in stress tolerance and is required for multiplication in target organs of infected mice. <i>Molecular Microbiology</i> , 2008, 67, 1384-1401.	2.5	90
14	Intracellular Survival of <i>Staphylococcus aureus</i> in Endothelial Cells: A Matter of Growth or Persistence. <i>Frontiers in Microbiology</i> , 2017, 8, 1354.	3.5	90
15	Maltose transport and starch binding in phage-resistant point mutants of maltoporin. <i>Journal of Molecular Biology</i> , 1988, 201, 487-493.	4.2	89
16	CD8 single-cell gene coexpression reveals three different effector types present at distinct phases of the immune response. <i>Journal of Experimental Medicine</i> , 2007, 204, 1193-1205.	8.5	84
17	A novel receptor ligand pathway for entry of <i>Francisella tularensis</i> in monocyte-like THP-1 cells: interaction between surface nucleolin and bacterial elongation factor Tu. <i>BMC Microbiology</i> , 2008, 8, 145.	3.3	82
18	The C-Terminal Portion of the Tail Fiber Protein of Bacteriophage Lambda Is Responsible for Binding to LamB, Its Receptor at the Surface of <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2000, 182, 508-512.	2.2	79

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19	ActA Is Required for Crossing of the Fetoplacental Barrier by <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2007, 75, 950-957.	2.2	77
20	Pivotal Role of Mitochondria in Macrophage Response to Bacterial Pathogens. <i>Frontiers in Immunology</i> , 2019, 10, 2461.	4.8	75
21	Iron acquisition systems for ferric hydroxamates, haemin and haemoglobin in <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2006, 59, 1185-1198.	2.5	74
22	A New Family of Secreted Toxins in Pathogenic <i>Neisseria</i> Species. <i>PLoS Pathogens</i> , 2015, 11, e1004592.	4.7	73
23	Novel phosphotransferase genes revealed by bacterial genome sequencing: a gene cluster encoding a putative N-acetylgalactosamine metabolic pathway in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 231-250.	1.8	73
24	Role of FlhF and FlhI of <i>Listeria monocytogenes</i> in Flagellar Assembly and Pathogenicity. <i>Infection and Immunity</i> , 2005, 73, 5530-5539.	2.2	71
25	<i>Francisella tularensis</i> Metabolism and its Relation to Virulence. <i>Frontiers in Microbiology</i> , 2010, 1, 140.	3.5	70
26	Maturation of Lipoproteins by Type II Signal Peptidase Is Required for Phagosomal Escape of <i>Listeria monocytogenes</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 49469-49477.	3.4	68
27	Further sequence analysis of the phage lambda receptor site. <i>Journal of Molecular Biology</i> , 1984, 175, 395-401.	4.2	64
28	The <i>svpA-srtB</i> locus of <i>Listeria monocytogenes</i> : Fur-mediated iron regulation and effect on virulence. <i>Molecular Microbiology</i> , 2004, 55, 927-940.	2.5	61
29	Identification of a PEST-like motif in listeriolysin O required for phagosomal escape and for virulence in <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2004, 39, 1124-1139.	2.5	57
30	Differential roles of multiple signal peptidases in the virulence of <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2004, 51, 1251-1266.	2.5	56
31	Pivotal role of the <i>Francisella tularensis</i> heat-shock sigma factor RpoH. <i>Microbiology (United Kingdom)</i> 157, 1075-1084. doi:10.1093/mic/kfn107	1.8	52
32	The unraveling panoply of <i>Francisella tularensis</i> virulence attributes. <i>Current Opinion in Microbiology</i> , 2010, 13, 11-17.	5.1	50
33	Glutamate Utilization Couples Oxidative Stress Defense and the Tricarboxylic Acid Cycle in <i>Francisella</i> Phagosomal Escape. <i>PLoS Pathogens</i> , 2014, 10, e1003893.	4.7	49
34	Asparagine assimilation is critical for intracellular replication and dissemination of <i>Francisella</i> . <i>Cellular Microbiology</i> , 2014, 16, 434-449.	2.1	49
35	Identification of LpeA, a PsaA-Like Membrane Protein That Promotes Cell Entry by <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2003, 71, 474-482.	2.2	47
36	Lessons from signature-tagged mutagenesis on the infectious mechanisms of pathogenic bacteria. <i>FEMS Microbiology Reviews</i> , 2005, 29, 703-717.	8.6	45

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37	Sortase independent and dependent systems for acquisition of haem and haemoglobin in <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2011, 80, 1581-1597.	2.5	45
38	Antibody response to a foreign epitope expressed at the surface of recombinant bacteria: importance of the route of immunization. <i>Vaccine</i> , 1989, 7, 242-248.	3.8	44
39	Localization and characterization of three different beta-adrenergic receptors expressed in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1990, 187, 137-144.	0.2	42
40	Expression of Human β_1 and β_2 Adrenergic Receptors in <i>E. Coli</i> As a New Tool for Ligand Screening. <i>Nature Biotechnology</i> , 1989, 7, 923-927.	17.5	41
41	<i>Francisella tularensis</i> IglG Belongs to a Novel Family of PAAR-Like T6SS Proteins and Harbors a Unique N-terminal Extension Required for Virulence. <i>PLoS Pathogens</i> , 2016, 12, e1005821.	4.7	41
42	A Putative P-Type ATPase Required for Virulence and Resistance to Haem Toxicity in <i>Listeria monocytogenes</i> . <i>PLoS ONE</i> , 2012, 7, e30928.	2.5	39
43	Importance of Branched-Chain Amino Acid Utilization in <i>Francisella</i> Intracellular Adaptation. <i>Infection and Immunity</i> , 2015, 83, 173-183.	2.2	39
44	A hypermutator phenotype attenuates the virulence of <i>Listeria monocytogenes</i> in a mouse model. <i>Molecular Microbiology</i> , 2002, 44, 877-887.	2.5	38
45	Critical role of the N-terminal residues of listeriolysin O in phagosomal escape and virulence of <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2002, 46, 367-379.	2.5	37
46	Manipulation of host membranes by the bacterial pathogens <i>Listeria</i> , <i>Francisella</i> , <i>Shigella</i> and <i>Yersinia</i> . <i>Seminars in Cell and Developmental Biology</i> , 2016, 60, 155-167.	5.0	37
47	pH-induced Collapse of the Extracellular Loops Closes <i>Escherichia coli</i> Maltoporin and Allows the Study of Asymmetric Sugar Binding. <i>Journal of Biological Chemistry</i> , 2002, 277, 41318-41325.	3.4	36
48	malM, a new gene of the maltose regulon in <i>Escherichia coli</i> K12. <i>Journal of Molecular Biology</i> , 1986, 191, 303-311.	4.2	35
49	Identification of a Putative Chaperone Involved in Stress Resistance and Virulence in <i>Francisella tularensis</i> . <i>Infection and Immunity</i> , 2011, 79, 1428-1439.	2.2	35
50	Gluconeogenesis, an essential metabolic pathway for pathogenic <i>Francisella</i> . <i>Molecular Microbiology</i> , 2015, 98, 518-534.	2.5	35
51	Listeriolysin O as a Reporter To Identify Constitutive and In Vivo-Inducible Promoters in the Pathogen <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2000, 68, 3242-3250.	2.2	34
52	Interaction of Bacteriophage Lambda with Its Cell Surface Receptor: An In Vitro Study of Binding of the Viral Tail Protein gpJ to LamB (Maltoporin). <i>Biochemistry</i> , 2006, 45, 2708-2720.	2.5	33
53	A widespread family of polymorphic toxins encoded by temperate phages. <i>BMC Biology</i> , 2017, 15, 75.	3.8	33
54	Chronic <i>Staphylococcus aureus</i> Lung Infection Correlates With Proteogenomic and Metabolic Adaptations Leading to an Increased Intracellular Persistence. <i>Clinical Infectious Diseases</i> , 2019, 69, 1937-1945.	5.8	31

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55	Identification of an Essential Gene of <i>Listeria monocytogenes</i> Involved in Teichoic Acid Biogenesis. <i>Journal of Bacteriology</i> , 2006, 188, 6580-6591.	2.2	30
56	A splenic IgM memory subset with antibacterial specificities is sustained from persistent mucosal responses. <i>Journal of Experimental Medicine</i> , 2018, 215, 2035-2053.	8.5	30
57	Identification of <i>trkH</i> , Encoding a Potassium Uptake Protein Required for <i>Francisella tularensis</i> Systemic Dissemination in Mice. <i>PLoS ONE</i> , 2010, 5, e8966.	2.5	29
58	Importance of Metabolic Adaptations in <i>Francisella</i> Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 96.	3.9	28
59	In vivo and in vitro studies of major surface loop deletion mutants of the <i>Escherichia coli</i> K-12 maltoporin: contribution to maltose and maltooligosaccharide transport and binding. <i>Molecular Microbiology</i> , 1999, 32, 851-867.	2.5	27
60	Capacity of <i>ivanolysin O</i> to replace <i>listeriolysin O</i> in phagosomal escape and in vivo survival of <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 611-620.	1.8	27
61	Maltodextrin transport through LamB. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, s265-274.	3.0	27
62	Mechanisms of iron and haem transport by <i>Listeria monocytogenes</i> . <i>Molecular Membrane Biology</i> , 2012, 29, 69-86.	2.0	27
63	Identification of small RNAs in <i>Francisella tularensis</i> . <i>BMC Genomics</i> , 2010, 11, 625.	2.8	26
64	<i>Francisella tularensis</i> regulates the expression of the amino acid transporter SLC1A5 in infected THP-1 human monocytes. <i>Cellular Microbiology</i> , 2012, 14, 1769-1783.	2.1	26
65	Possible Links Between Stress Defense and the Tricarboxylic Acid (TCA) Cycle in <i>Francisella</i> Pathogenesis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2278-2292.	3.8	26
66	DNA sequence analysis of the <i>lamB</i> gene from <i>Klebsiella pneumoniae</i> : implications for the topology and the pore functions in maltoporin. <i>Molecular Genetics and Genomics</i> , 1992, 233, 372-378.	2.4	25
67	The absence of N-acetylglucosamine in wall teichoic acids of <i>Listeria monocytogenes</i> modifies biofilm architecture and tolerance to rinsing and cleaning procedures. <i>PLoS ONE</i> , 2018, 13, e0190879.	2.5	25
68	Effect of point mutations on the in-vitro pore properties of maltoporin, a protein of <i>Escherichia coli</i> outer membrane. <i>Journal of Molecular Biology</i> , 1988, 201, 497-506.	4.2	24
69	A Homolog of <i>Bacillus subtilis</i> Trigger Factor in <i>Listeria monocytogenes</i> Is Involved in Stress Tolerance and Bacterial Virulence. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6623-6631.	3.1	24
70	Importance of Host Cell Arginine Uptake in <i>Francisella</i> Phagosomal Escape and Ribosomal Protein Amounts*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 870-881.	3.8	24
71	The complex amino acid diet of <i>Francisella</i> in infected macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 9.	3.9	23
72	Loops and networks in control of <i>Francisella tularensis</i> virulence. <i>Future Microbiology</i> , 2009, 4, 713-729.	2.0	21

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73	Francisella tularensis intracellular survival: to eat or to die. <i>Microbes and Infection</i> , 2013, 15, 989-997.	1.9	21
74	Function of the Duplicated IIB Domain and Oligomeric Structure of the Fructose Permease of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 9997-10003.	3.4	20
75	Antibodies against synthetic peptides and the topology of LamB, an outer-membrane protein from <i>Escherichia coli</i> K12. <i>Biochemistry</i> , 1989, 28, 8234-8241.	2.5	19
76	Nucleolin, a Shuttle Protein Promoting Infection of Human Monocytes by <i>Francisella tularensis</i> . <i>PLoS ONE</i> , 2010, 5, e14193.	2.5	18
77	In vivo and in vitro studies of transmembrane beta-strand deletion, insertion or substitution mutants of the <i>Escherichia coli</i> K-12 maltoporin. <i>Molecular Microbiology</i> , 2000, 35, 777-790.	2.5	17
78	Regulation of expression of type I signal peptidases in <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2001, 147, 2679-2688.	1.8	17
79	Contribution of the multiple Type I signal peptidases to the secretome of <i>Listeria monocytogenes</i> : Deciphering their specificity for secreted exoproteins by exoproteomic analysis. <i>Journal of Proteomics</i> , 2015, 117, 95-105.	2.4	17
80	Identification of a Novel Small RNA Modulating <i>Francisella tularensis</i> Pathogenicity. <i>PLoS ONE</i> , 2012, 7, e41999.	2.5	17
81	The pentose phosphate pathway constitutes a major metabolic hub in pathogenic <i>Francisella</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009326.	4.7	16
82	Reactive Oxygen Species-Dependent Innate Immune Mechanisms Control Methicillin-Resistant <i>Staphylococcus aureus</i> Virulence in the <i>Drosophila</i> Larval Model. <i>MBio</i> , 2021, 12, e0027621.	4.1	15
83	Host glycosylation pathways and the unfolded protein response contribute to the infection by <i>Francisella</i> . <i>Cellular Microbiology</i> , 2016, 18, 1763-1781.	2.1	14
84	Antibacterial Toxins: Gram-Positive Bacteria Strike Back!. <i>Trends in Microbiology</i> , 2018, 26, 89-91.	7.7	14
85	Functional assembly of two membrane-binding domains in listeriolysin O, the cytolysin of <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2001, 147, 2679-2688.	1.8	14
86	Immunogenicity of viral B-cell epitopes inserted into two surface loops of the <i>Escherichia coli</i> K12 LamB protein and expressed in an attenuated <i>aroA</i> strain of <i>Salmonella typhimurium</i> . <i>Vaccine</i> , 1999, 17, 1-12.	3.8	13
87	Transketolase of <i>Staphylococcus aureus</i> in the Control of Master Regulators of Stress Response During Infection. <i>Journal of Infectious Diseases</i> , 2019, 220, 1967-1976.	4.0	12
88	Which Current and Novel Diagnostic Avenues for Bacterial Respiratory Diseases?. <i>Frontiers in Microbiology</i> , 2020, 11, 616971.	3.5	10
89	Modification of the signal sequence cleavage site of listeriolysin O does not affect protein secretion but impairs the virulence of <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 1249-1255.	1.8	10
90	Immune responses to hybrid maltose-binding proteins. <i>Vaccine</i> , 1993, 11, 140-142.	3.8	9

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91	Role of Glycosylation/Deglycosylation Processes in <i>Francisella tularensis</i> Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 71.	3.9	8
92	Critical Role of a Sheath Phosphorylation Site On the Assembly and Function of an Atypical Type VI Secretion System. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2418-2432.	3.8	8
93	A Role for Taok2 in <i>Listeria monocytogenes</i> Vacuolar Escape. <i>Journal of Infectious Diseases</i> , 2022, 225, 1005-1010.	4.0	8
94	Proteins involved in <i>Francisella tularensis</i> survival and replication inside macrophages. <i>Future Microbiology</i> , 2012, 7, 1255-1268.	2.0	7
95	Cognate Antigen Stimulation Generates Potent CD8+ Inflammatory Effector T Cells. <i>Frontiers in Immunology</i> , 2013, 4, 452.	4.8	7
96	Exploring the role of the CTL epitope region of listeriolysin O in the pathogenesis of <i>Listeria monocytogenes</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1287-1296.	1.8	6
97	lmo1273, a novel gene involved in <i>Listeria monocytogenes</i> virulence. <i>Microbiology (United Kingdom)</i> , 2009, 155, 891-902.	1.8	6
98	Changes in proteome of the <i>hfq</i> strain derived from <i>Francisella tularensis</i> LVS correspond with its attenuated phenotype. <i>Proteomics</i> , 2014, 14, 2400-2409.	2.2	6
99	Multitasking Actors of <i>Staphylococcus aureus</i> Metabolism and Virulence. <i>Trends in Microbiology</i> , 2020, 28, 6-9.	7.7	6
100	Intradermal Immunization with rAAV1 Vector Induces Robust Memory CD8+ T Cell Responses Independently of Transgene Expression in DCs. <i>Molecular Therapy</i> , 2017, 25, 2309-2322.	8.2	5
101	Lung-adapted <i>Staphylococcus aureus</i> isolates with dysfunctional agr system trigger a proinflammatory response. <i>Journal of Infectious Diseases</i> , 2022, , .	4.0	5
102	High-Resolution Typing of <i>Staphylococcus epidermidis</i> Based on Core Genome Multilocus Sequence Typing To Investigate the Hospital Spread of Multidrug-Resistant Clones. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	4
103	Detection of the Interaction Between Host and Bacterial Proteins: Eukaryotic Nucleolin Interacts with <i>Francisella</i> Elongation Factor Tu. <i>Methods in Molecular Biology</i> , 2014, 1197, 123-139.	0.9	4
104	Fulminant arterial vasculitis as an unusual complication of disseminated staphylococcal disease due to the emerging CC1 methicillin-susceptible <i>Staphylococcus aureus</i> clone: a case report. <i>BMC Infectious Diseases</i> , 2019, 19, 302.	2.9	3
105	BLI-MS: Combining biolayer interferometry and mass spectrometry. <i>Proteomics</i> , 2021, , 2100031.	2.2	3
106	The Maltose B Region in <i>Salmonella Typhimurium</i> , <i>Escherichia Coli</i> and Other Enterobacteriaceae. , 1993, , 91-104.		2
107	Regulation of virulence in <i>Francisella tularensis</i> by small non-coding RNAs. <i>Nature Precedings</i> , 2011, , .	0.1	1
108	<i>Francisella tularensis</i> : Causative Agent of Tularemia and Biothreat Agent. , 2019, , 239-250.		1

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109	Immunogenicity of recombinant hybrid proteins in attenuated Salmonella typhimurium. Vaccine, 1992, 10, 263.	3.8	0
110	Genetic Manipulations. , 2008, , 273-309.		0
111	Isolation of Plasmids. , 2009, , .		0