

# Alain L Servin

## List of Publications by Year in descending order

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49  
papers

4,828  
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147801  
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times ranked

5210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antagonistic activities of lactobacilli and bifidobacteria against microbial pathogens. <i>FEMS Microbiology Reviews</i> , 2004, 28, 405-440.	8.6	957
2	The Front Line of Enteric Host Defense against Unwelcome Intrusion of Harmful Microorganisms: Mucins, Antimicrobial Peptides, and Microbiota. <i>Clinical Microbiology Reviews</i> , 2006, 19, 315-337.	13.6	441
3	Adhesion of probiotic strains to the intestinal mucosa and interaction with pathogens. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2003, 17, 741-754.	2.4	289
4	Anti-Infective Activities of Lactobacillus Strains in the Human Intestinal Microbiota: from Probiotics to Gastrointestinal Anti-Infectious Biotherapeutic Agents. <i>Clinical Microbiology Reviews</i> , 2014, 27, 167-199.	13.6	280
5	Antagonistic Activity against <i>Helicobacter</i> Infection In Vitro and In Vivo by the Human <i>Lactobacillus acidophilus</i> Strain LB. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4573-4580.	3.1	258
6	Inhibition of adhesion of enteroinvasive pathogens to human intestinal Caco-2 cells by <i>Lactobacillus acidophilus</i> strain LB decreases bacterial invasion. <i>FEMS Microbiology Letters</i> , 1993, 110, 299-305.	1.8	232
7	pH-, Lactic Acid-, and Non-Lactic Acid-Dependent Activities of Probiotic Lactobacilli against <i>Salmonella enterica</i> Serovar Typhimurium. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6008-6013.	3.1	229
8	Pathogenesis of Afa/Dr Diffusely Adhering <i>Escherichia coli</i> . <i>Clinical Microbiology Reviews</i> , 2005, 18, 264-292.	13.6	192
9	Antagonistic Activity of <i>Lactobacillus acidophilus</i> LB against Intracellular <i>Salmonella enterica</i> Serovar Typhimurium Infecting Human Enterocyte-Like Caco-2/TC-7 Cells. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1152-1157.	3.1	122
10	Differential recognition of members of the carcinoembryonic antigen family by Afa/Dr adhesins of diffusely adhering <i>Escherichia coli</i> (Afa/Dr DAEC). <i>Molecular Microbiology</i> , 2004, 52, 963-983.	2.5	115
11	Afa/Dr Diffusely Adhering <i>Escherichia coli</i> Strain C1845 Induces Neutrophil Extracellular Traps That Kill Bacteria and Damage Human Enterocyte-Like Cells. <i>Infection and Immunity</i> , 2012, 80, 1891-1899.	2.2	109
12	Lactobacillus strains isolated from the vaginal microbiota of healthy women inhibit <i>Prevotella bivia</i> and <i>Gardnerella vaginalis</i> in coculture and cell culture. <i>FEMS Immunology and Medical Microbiology</i> , 2006, 48, 424-432.	2.7	106
13	Individual and co-operative roles of lactic acid and hydrogen peroxide in the killing activity of enteric strain <i>Lactobacillus johnsonii</i> NCC933 and vaginal strain <i>Lactobacillus gasseri</i> KS120.1 against enteric, uropathogenic and vaginosis-associated pathog. <i>FEMS Microbiology Letters</i> , 2010, 304, 29-38.	1.8	99
14	Recruitment of CD55 and CD66e Brush Border-Associated Glycosylphosphatidylinositol-Anchored Proteins by Members of the Afa/Dr Diffusely Adhering Family of <i>Escherichia coli</i> That Infect the Human Polarized Intestinal Caco-2/TC7 Cells. <i>Infection and Immunity</i> , 2000, 68, 3554-3563.	2.2	84
15	The secreted autotransporter toxin, Sat, functions as a virulence factor in Afa/Dr diffusely adhering <i>Escherichia coli</i> by promoting lesions in tight junction of polarized epithelial cells. <i>Cellular Microbiology</i> , 2007, 9, 204-221.	2.1	84
16	Diffusely adherent <i>Escherichia coli</i> strains expressing Afa/Dr adhesins (Afa/Dr DAEC): hitherto unrecognized pathogens. <i>FEMS Microbiology Letters</i> , 2006, 256, 185-194.	1.8	76
17	Polarized Entry of Uropathogenic Afa/Dr Diffusely Adhering <i>Escherichia coli</i> Strain IH11128 into Human Epithelial Cells: Evidence for $\alpha 5 \beta 1$ Integrin Recognition and Subsequent Internalization through a Pathway Involving Caveolae and Dynamic Unstable Microtubules. <i>Infection and Immunity</i> , 2001, 69, 1856-1868.	2.2	72
18	Pathogenesis of Human Diffusely Adhering <i>Escherichia coli</i> Expressing Afa/Dr Adhesins (Afa/Dr DAEC): Current Insights and Future Challenges. <i>Clinical Microbiology Reviews</i> , 2014, 27, 823-869.	13.6	71

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19	Piracy of Decay-Accelerating Factor (CD55) Signal Transduction by the Diffusely Adhering Strain <i>Escherichia coli</i> C1845 Promotes Cytoskeletal F-Actin Rearrangements in Cultured Human Intestinal INT407 Cells. <i>Infection and Immunity</i> , 1998, 66, 4036-4042.	2.2	69
20	An Experimental Study and a Randomized, Double-Blind, Placebo-Controlled Clinical Trial to Evaluate the Antisecretory Activity of <i>Lactobacillus acidophilus</i> Strain LB Against Nonrotavirus Diarrhea. <i>Pediatrics</i> , 2007, 120, e795-e803.	2.1	64
21	Pathogenesis of Human Enterovirulent Bacteria: Lessons from Cultured, Fully Differentiated Human Colon Cancer Cell Lines. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 380-439.	6.6	55
22	How intestinal epithelial cell differentiation inhibits the cell-entry of <i>Yersinia pseudotuberculosis</i> in colon carcinoma Caco-2 cell line in culture. <i>Differentiation</i> , 1994, 58, 87-94.	1.9	50
23	Competitive exclusion of diarrheagenic <i>Escherichia coli</i> (ETEC) from human enterocyte-like Caco-2 cells by heat-killed <i>Lactobacillus</i> . <i>FEMS Microbiology Letters</i> , 1992, 91, 213-217.	1.8	49
24	A Subfamily of Dr Adhesins of <i>Escherichia coli</i> Bind Independently to Decay-accelerating Factor and the N-domain of Carcinoembryonic Antigen. <i>Journal of Biological Chemistry</i> , 2006, 281, 29120-29130.	3.4	45
25	Structural and Functional Lesions in Brush Border of Human Polarized Intestinal Caco-2/TC7 Cells Infected by Members of the Afa/Dr Diffusely Adhering Family of <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2000, 68, 5979-5990.	2.2	44
26	Zipper-Like Internalization of Dr-Positive <i>Escherichia coli</i> by Epithelial Cells Is Preceded by an Adhesin-Induced Mobilization of Raft-Associated Molecules in the Initial Step of Adhesion. <i>Infection and Immunity</i> , 2004, 72, 3733-3742.	2.2	43
27	<i>Listeria monocytogenes</i> Stimulates Mucus Exocytosis in Cultured Human Polarized Mucosecreting Intestinal Cells through Action of Listeriolysin O. <i>Infection and Immunity</i> , 1998, 66, 3673-3681.	2.2	43
28	Listeriolysin O-induced stimulation of mucin exocytosis in polarized intestinal mucin-secreting cells: evidence for toxin recognition of membrane-associated lipids and subsequent toxin internalization through caveolae. <i>Cellular Microbiology</i> , 2000, 2, 487-504.	2.1	42
29	Afa/Dr Diffusely Adhering <i>Escherichia coli</i> C1845 Infection Promotes Selective Injuries in the Junctional Domain of Polarized Human Intestinal Caco-2/TC7 Cells. <i>Infection and Immunity</i> , 2000, 68, 3431-3442.	2.2	42
30	Differentiation-Associated Antimicrobial Functions in Human Colon Adenocarcinoma Cell Lines. <i>Experimental Cell Research</i> , 1996, 226, 80-89.	2.6	38
31	Two Atypical Enteropathogenic <i>Escherichia coli</i> Strains Induce the Production of Secreted and Membrane-Bound Mucins To Benefit Their Own Growth at the Apical Surface of Human Mucin-Secreting Intestinal HT29-MTX Cells. <i>Infection and Immunity</i> , 2010, 78, 927-938.	2.2	38
32	Impairments in enzyme activity and biosynthesis of brush border-associated hydrolases in human intestinal Caco-2/TC7 cells infected by members of the Afa/Dr family of diffusely adhering <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 2001, 3, 341-357.	2.1	34
33	Vaginal <i>Lactobacillus</i> isolates inhibit uropathogenic <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2006, 257, 132-138.	1.8	32
34	Activation of mucin exocytosis and upregulation of MUC genes in polarized human intestinal mucin-secreting cells by the thiol-activated exotoxin listeriolysin O. <i>Cellular Microbiology</i> , 2002, 4, 515-529.	2.1	31
35	A <i>Lactobacillus acidophilus</i> Strain of Human Gastrointestinal Microbiota Origin Elicits Killing of Enterovirulent <i>Salmonella enterica</i> Serovar Typhimurium by Triggering Lethal Bacterial Membrane Damage. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6115-6120.	3.1	31
36	Human cultured intestinal cells express attachment sites for uropathogenic <i>Escherichia coli</i> bearing adhesins of the Dr adhesin family. <i>FEMS Microbiology Letters</i> , 1994, 119, 27-32.	1.8	30

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37	Up-Regulation of Intestinal Vascular Endothelial Growth Factor by Afa/Dr Diffusely Adhering Escherichia coli. PLoS ONE, 2007, 2, e1359.	2.5	30
38	Pyelonephritogenic Diffusely Adhering Escherichia coli EC7372 Harboring Dr-II Adhesin Carries Classical Uropathogenic Virulence Genes and Promotes Cell Lysis and Apoptosis in Polarized Epithelial Caco-2/TC7 Cells. Infection and Immunity, 2000, 68, 7018-7027.	2.2	28
39	Human Decay-Accelerating Factor and CEACAM Receptor-Mediated Internalization and Intracellular Lifestyle of Afa/Dr Diffusely Adhering Escherichia coli in Epithelial Cells. Infection and Immunity, 2009, 77, 517-531.	2.2	26
40	Two stages of enteropathogenic Escherichia coli intestinal pathogenicity are up and down-regulated by the epithelial cell differentiation. Differentiation, 1995, 59, 127-134.	1.9	25
41	The increase in mucin exocytosis and the upregulation of MUC genes encoding for membrane-bound mucins induced by the thiol-activated exotoxin listeriolysin O is a host cell defence response that inhibits the cell-entry of Listeria monocytogenes. Cellular Microbiology, 2005, 7, 1035-1048.	2.1	22
42	Impairment of Swimming Motility by Antidiarrheic Lactobacillus acidophilus Strain LB Retards Internalization of Salmonella enterica Serovar Typhimurium within Human Enterocyte-Like Cells. Antimicrobial Agents and Chemotherapy, 2011, 55, 4810-4820.	3.2	21
43	Representational Difference Analysis between Afa/Dr Diffusely Adhering Escherichia coli and Nonpathogenic E. coli K-12. Infection and Immunity, 2002, 70, 5503-5511.	2.2	20
44	Compound(s) secreted by Lactobacillus casei strain Shirota YIT9029 irreversibly and reversibly impair the swimming motility of Helicobacter pylori and Salmonella enterica serovar Typhimurium, respectively. Microbiology (United Kingdom), 2013, 159, 1956-1971.	1.8	19
45	Human Diffusely Adhering Escherichia coli Expressing Afa/Dr Adhesins That Use Human CD55 (Decay-Accelerating Factor) as a Receptor Does Not Bind the Rodent and Pig Analogues of CD55. Infection and Immunity, 2004, 72, 4859-4863.	2.2	16
46	hCEACAM1-4L downregulates hDAF-associated signalling after being recognized by the Dr adhesin of diffusely adhering Escherichia coli. Cellular Microbiology, 2008, 10, 632-654.	2.1	10
47	Norepinephrine-dependently released Dr fimbriae of diffusely adhering Escherichia coli strain IH11128 promotes a mitogen-activated protein kinase ERK1/2-dependent production of pro-inflammatory cytokine, IL-8 in human intestinal Caco-2/TC7 cells. Microbes and Infection, 2009, 11, 886-894.	1.9	10
48	Apical expression of human full-length hCEACAM1-4L protein renders the Madin Darby Canine Kidney cells responsive to lipopolysaccharide leading to TLR4-dependent Erk1/2 and p38 MAPK signalling. Cellular Microbiology, 2011, 13, 764-785.	2.1	5
49	Potential Mechanisms of Enteric Cytoprotection by Probiotics: Lessons from Cultured Human Intestinal Cells. , 2011, , 375-397.		0