Cagla Tukel

List of Publications by Year in descending order

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51 papers	2,661 citations	201385 27 h-index	301761 39 g-index
51 all docs	51 docs citations	51 times ranked	3284 citing authors

#	Article	IF	Citations
1	Precision editing of the gut microbiota ameliorates colitis. Nature, 2018, 553, 208-211.	13.7	377
2	Amyloid-DNA Composites of Bacterial Biofilms Stimulate Autoimmunity. Immunity, 2015, 42, 1171-1184.	6.6	181
3	Life in the inflamed intestine, Salmonella style. Trends in Microbiology, 2009, 17, 498-506.	3.5	172
4	CsgA is a pathogen-associated molecular pattern of Salmonellaâ€ƒenterica serotype Typhimurium that is recognized by Toll-like receptor 2. Molecular Microbiology, 2005, 58, 289-304.	1.2	153
5	Responses to Amyloids of Microbial and Host Origin Are Mediated through Toll-like Receptor 2. Cell Host and Microbe, 2009, 6, 45-53.	5.1	142
6	Toll-like receptors 1 and 2 cooperatively mediate immune responses to curli, a common amyloid from enterobacterial biofilms. Cellular Microbiology, 2010, 12, 1495-1505.	1.1	138
7	The Vi-capsule prevents Toll-like receptor 4 recognition of Salmonella. Cellular Microbiology, 2008, 10, 876-890.	1.1	122
8	Curli-Containing Enteric Biofilms Inside and Out: Matrix Composition, Immune Recognition, and Disease Implications. Microbiology and Molecular Biology Reviews, 2018, 82, .	2.9	108
9	Capsule-Mediated Immune Evasion: a New Hypothesis Explaining Aspects of Typhoid Fever Pathogenesis. Infection and Immunity, 2006, 74, 19-27.	1.0	99
10	Toll-Like Receptor 2 and NLRP3 Cooperate To Recognize a Functional Bacterial Amyloid, Curli. Infection and Immunity, 2015, 83, 693-701.	1.0	96
11	The Vi Capsular Polysaccharide Prevents Complement Receptor 3-Mediated Clearance of Salmonella enterica Serotype Typhi. Infection and Immunity, 2011, 79, 830-837.	1.0	91
12	Disease to Dirt: The Biology of Microbial Amyloids. PLoS Pathogens, 2013, 9, e1003740.	2.1	90
13	Bacterial amyloid curli acts as a carrier for DNA to elicit an autoimmune response via TLR2 and TLR9. PLoS Pathogens, 2017, 13, e1006315.	2.1	82
14	Microbial Amyloids Induce Interleukin 17A (IL-17A) and IL-22 Responses via Toll-Like Receptor 2 Activation in the Intestinal Mucosa. Infection and Immunity, 2012, 80, 4398-4408.	1.0	76
15	Epithelial Cells Augment Barrier Function via Activation of the Toll-Like Receptor 2/Phosphatidylinositol 3-Kinase Pathway upon Recognition of Salmonella enterica Serovar Typhimurium Curli Fibrils in the Gut. Infection and Immunity, 2013, 81, 478-486.	1.0	62
16	Microbiome or Infections: Amyloid-Containing Biofilms as a Trigger for Complex Human Diseases. Frontiers in Immunology, 2021, 12, 638867.	2.2	61
17	Salmonella Typhimurium biofilm disruption by a human antibody that binds a pan-amyloid epitope on curli. Nature Communications, 2020, 11, 1007.	5.8	55
18	The Capsule-Encoding viaB Locus Reduces Intestinal Inflammation by a Salmonella Pathogenicity Island 1-Independent Mechanism. Infection and Immunity, 2009, 77, 2932-2942.	1.0	45

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19	CD14 Protein Acts as an Adaptor Molecule for the Immune Recognition of Salmonella Curli Fibers. Journal of Biological Chemistry, 2013, 288, 14178-14188.	1.6	44
20	Functional Reciprocity of Amyloids and Antimicrobial Peptides: Rethinking the Role of Supramolecular Assembly in Host Defense, Immune Activation, and Inflammation. Frontiers in Immunology, 2020, 11, 1629.	2.2	44
21	Biofilm-associated bacterial amyloids dampen inflammation in the gut: oral treatment with curli fibres reduces the severity of hapten-induced colitis in mice. Npj Biofilms and Microbiomes, 2015, 1, .	2.9	42
22	Neutrophil influx during non-typhoidal salmonellosis: who is in the driver's seat?. FEMS Immunology and Medical Microbiology, 2006, 46, 320-329.	2.7	38
23	Bacterial Amyloids: The Link between Bacterial Infections and Autoimmunity. Trends in Microbiology, 2019, 27, 954-963.	3.5	38
24	MarT Activates Expression of the MisL Autotransporter Protein of Salmonella enterica Serotype Typhimurium. Journal of Bacteriology, 2007, 189, 3922-3926.	1.0	37
25	The Functional Amyloid Curli Protects Escherichia coli against Complement-Mediated Bactericidal Activity. Biomolecules, 2018, 8, 5.	1.8	36
26	RosE represses Std fimbrial expression in Salmonella enterica serotype Typhimurium. Molecular Microbiology, 2008, 68, 573-587.	1.2	34
27	Characterization of bacteriocins from twoLactococcus lactis subsp.lactis isolates. Molecular Nutrition and Food Research, 2006, 50, 306-313.	1.5	31
28	STAT2 dependent Type I Interferon response promotes dysbiosis and luminal expansion of the enteric pathogen Salmonella Typhimurium. PLoS Pathogens, 2019, 15, e1007745.	2.1	25
29	In vivo synthesis of bacterial amyloid curli contributes to joint inflammation during S. Typhimurium infection. PLoS Pathogens, 2020, 16, e1008591.	2.1	24
30	A Nonpyroptotic IFN-Î³â€“Triggered Cell Death Mechanism in Nonphagocytic Cells Promotes Salmonella Clearance In Vivo. Journal of Immunology, 2018, 200, 3626-3634.	0.4	23
31	Persistent Bacteriuria and Antibodies Recognizing Curli/eDNA Complexes From Escherichia coli Are Linked to Flares in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2020, 72, 1872-1881.	2.9	20
32	Determination of antibiotic resistance and resistance plasmids of clinical Enterococcus species. Journal of General and Applied Microbiology, 2004, 50, 213-219.	0.4	16
33	Nitrate Is an Environmental Cue in the Gut for Salmonella enterica Serovar Typhimurium Biofilm Dispersal through Curli Repression and Flagellum Activation via Cyclic-di-GMP Signaling. MBio, 2022, 13, e0288621.	1.8	14
34	Cytotoxic Curli Intermediates Form during Salmonella Biofilm Development. Journal of Bacteriology, 2019, 201, .	1.0	12
35	Protein kinase Câ€delta inhibition is organâ€protective, enhances pathogen clearance, and improves survival in sepsis. FASEB Journal, 2020, 34, 2497-2510.	0.2	9
36	Phenol-Soluble Modulins From Staphylococcus aureus Biofilms Form Complexes With DNA to Drive Autoimmunity. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	1.8	9

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37	ISOLATION AND PARTIAL CHARACTERIZATION OF A NOVEL BACTERIOCIN PRODUCED BY LACTOCOCCUS LACTIS SSP. LACTIS MC38. Journal of Food Safety, 2007, 27, 17.	1.1	7
38	Identification of adsorption inhibition, restriction/modification and abortive infection type phage resistance systems in Lactococcus lactis strains. Acta Biologica Hungarica, 2006, 57, 377-385.	0.7	4
39	Context-dependent induction of autoimmunity by TNF signaling deficiency. JCI Insight, 2022, 7, .	2.3	2
40	Amyloid-containing biofilms and autoimmunity. Current Opinion in Structural Biology, 2022, 75, 102435.	2.6	2
41	ID: 224. Cytokine, 2015, 76, 106.	1.4	0
42	EF-07â€...Curli amyloids/DNA complexes from bacterial biofilms break tolerance in murine lupus by triggering BCR/TLR signaling in B cells. , 2018, , .		0
43	163â€...Bacterial biofilm product Curli/eDNA induces NETs and serum anti- Curli/eDNA levels correlate with bacteriuria and lupus activity. , 2019, , .		0
44	403â€...Bacterial biofilm product Curli/eDNA induces neutrophil extracellular traps and serum anti-Curli/eDNA levels correlate with bacteriuria and lupus activity. , 2021, , .		0
45	Title is missing!. , 2020, 16, e1008591.		0
46	Title is missing!. , 2020, 16, e1008591.		0
47	Title is missing!. , 2020, 16, e1008591.		0
48	Title is missing!. , 2020, 16, e1008591.		0
49	Title is missing!. , 2020, 16, e1008591.		0
50	Title is missing!. , 2020, 16, e1008591.		0
51	Purification of the Bacterial Amyloid â€œCurliâ€•from Salmonella enterica Serovar Typhimurium and Detection of Curli from Infected Host Tissues. Bio-protocol, 2022, 12, .	0.2	0