John K Mccormick

List of Publications by Year
in descending order

82 papers	5,701 citations	101384 36 h-index	82410 72 g-index
88 all docs	88 docs citations	88 times ranked	6210 citing authors

#	Article	IF	Citations
1	Superantigens promote Staphylococcus aureus bloodstream infection by eliciting pathogenic interferon-gamma production. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
2	HLA class Iâ€“associated expansion of TRBV11-2 T cells in multisystem inflammatory syndrome in children. Journal of Clinical Investigation, 2021, 131, .	3.9	130
3	Streptococcal superantigens and the return of scarlet fever. PLoS Pathogens, 2021, 17, e1010097.	2.1	12
4	Prophage exotoxins enhance colonization fitness in epidemic scarlet fever-causing Streptococcus pyogenes. Nature Communications, 2020, 11, 5018.	5.8	35
5	Population Analysis of Staphylococcus aureus Reveals a Cryptic, Highly Prevalent Superantigen SElW That Contributes to the Pathogenesis of Bacteremia. MBio, 2020, 11, .	1.8	14
6	Discordant rearrangement of primary and anamnestic CD8+ T cell responses to influenza A viral epitopes upon exposure to bacterial superantigens: Implications for prophylactic vaccination, heterosubtypic immunity and superinfections. PLoS Pathogens, 2020, 16, e1008393.	2.1	5
7	The SrrAB two-component system regulates Staphylococcus aureus pathogenicity through redox sensitive cysteines. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10989-10999.	3.3	50
8	Title is missing!. , 2020, 16, e1008393.		0
9	Title is missing!. , 2020, 16, e1008393.		0
10	Title is missing!. , 2020, 16, e1008393.		0
11	Title is missing!. , 2020, 16, e1008393.		0
12	A controlled-release oral opioid supports S. aureus survival in injection drug preparation equipment and may increase bacteremia and endocarditis risk. PLoS ONE, 2019, 14, e0219777.	1.1	26
13	Regulation of toxic shock syndrome toxinâ€‘1 by the accessory gene regulator in Staphylococcus aureus is mediated by the repressor of toxins. Molecular Microbiology, 2019, 112, 1163-1177.	1.2	18
14	Toxins and Superantigens of Group A Streptococci. Microbiology Spectrum, 2019, 7, .	1.2	22
15	MAIT Cells Are Major Contributors to the Cytokine Response in Group A Streptococcal Toxic Shock Syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25923-25931.	3.3	45
16	Toxins and Superantigens of Group A Streptococci. , 2019, , 55-66.		1
17	Bacterial Superantigens Expand and Activate, Rather than Delete or Incapacitate, Preexisting Antigen-Specific Memory CD8+ T Cells. Journal of Infectious Diseases, 2019, 219, 1307-1317.	1.9	14
18	Staphylococcal Superantigens Use LAMA2 as a Coreceptor To Activate T Cells. Journal of Immunology, 2018, 200, 1471-1479.	0.4	14

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19	Streptococcal pharyngitis and rheumatic heart disease: the superantigen hypothesis revisited. Infection, Genetics and Evolution, 2018, 61, 160-175.	1.0	18
20	Validation of an Algorithm to Identify Infective Endocarditis in People Who Inject Drugs. Medical Care, 2018, 56, e70-e75.	1.1	31
21	1023. A Controlled-Release Prescription Oral Opioid Can Prolong S. aureus Survival in Injection Drug Preparation Equipment and Potentially Increase Bacteremia Risk. Open Forum Infectious Diseases, 2018, 5, S305-S305.	0.4	0
22	Manipulation of Innate and Adaptive Immunity by Staphylococcal Superantigens. Pathogens, 2018, 7, 53.	1.2	80
23	Invariant NKT cells are pathogenic in the HLA-DR4-transgenic humanized mouse model of toxic shock syndrome and can be targeted to reduce morbidity. Journal of Infectious Diseases, 2017, 215, jiw646.	1.9	13
24	Rapid and Rigorous IL-17A Production by a Distinct Subpopulation of Effector Memory T Lymphocytes Constitutes a Novel Mechanism of Toxic Shock Syndrome Immunopathology. Journal of Immunology, 2017, 198, 2805-2818.	0.4	35
25	Nasopharyngeal infection byStreptococcus pyogenesrequires superantigen-responsive VÎ²-specific T cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10226-10231.	3.3	55
26	MAIT cells launch a rapid, robust and distinct hyperinflammatory response to bacterial superantigens and quickly acquire an anergic phenotype that impedes their cognate antimicrobial function: Defining a novel mechanism of superantigen-induced immunopathology and immunosuppression. PLoS Biology, 2017, 15, e2001930.	2.6	126
27	Identification of a two-component Class IIb bacteriocin in Streptococcus pyogenes by recombinase-based in vivo expression technology. Scientific Reports, 2016, 6, 36233.	1.6	10
28	The SaeRS Two-Component System Is a Direct and Dominant Transcriptional Activator of Toxic Shock Syndrome Toxin 1 in Staphylococcus aureus. Journal of Bacteriology, 2016, 198, 2732-2742.	1.0	27
29	Swift Intrahepatic Accumulation of Granulocytic Myeloid-Derived Suppressor Cells in a Humanized Mouse Model of Toxic Shock Syndrome. Journal of Infectious Diseases, 2016, 213, 1990-1995.	1.9	12
30	Nasopharyngeal Infection of Mice with Streptococcus pyogenes and In Vivo Detection of Superantigen Activity. Methods in Molecular Biology, 2016, 1396, 95-107.	0.4	9
31	CD1d- and MR1-Restricted T Cells in Sepsis. Frontiers in Immunology, 2015, 6, 401.	2.2	30
32	Superantigens Modulate Bacterial Density during Staphylococcus aureus Nasal Colonization. Toxins, 2015, 7, 1821-1836.	1.5	25
33	Staphylococcus aureus keratinocyte invasion is mediated by integrinâ€linked kinase and Rac1. FASEB Journal, 2015, 29, 711-723.	0.2	33
34	Bacterial Superantigens Promote Acute Nasopharyngeal Infection by Streptococcus pyogenes in a Human MHC Class II-Dependent Manner. PLoS Pathogens, 2014, 10, e1004155.	2.1	84
35	Risk factors for mortality among patients with Staphylococcus aureus bacteremia: a single-centre retrospective cohort study. CMAJ Open, 2014, 2, E352-E359.	1.1	13
36	T helper type 2-polarized invariant natural killer T cells reduce disease severity in acute intra-abdominal sepsis. Clinical and Experimental Immunology, 2014, 178, 292-309.	1.1	16

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37	Superantigens Subvert the Neutrophil Response To Promote Abscess Formation and Enhance Staphylococcus aureus SurvivalIn Vivo. Infection and Immunity, 2014, 82, 3588-3598.	1.0	46
38	Antihomocitrullinated Fibrinogen Antibodies are Specific to Rheumatoid Arthritis and Frequently Bind Citrullinated Proteins/peptides. Journal of Rheumatology, 2014, 41, 270-279.	1.0	69
39	A robust scoring system to evaluate sepsis severity in an animal model. BMC Research Notes, 2014, 7, 233.	0.6	302
40	Cellulosmicrobium cellulans isolated from a patient with acute renal failure. JMM Case Reports, 2014, 1, .	1.3	3
41	Control of Established Colon Cancer Xenografts Using a Novel Humanized Single Chain Antibody-Streptococcal Superantigen Fusion Protein Targeting the 5T4 Oncofetal Antigen. PLoS ONE, 2014, 9, e95200.	1.1	10
42	Fournierâ€™s gangrene of the penis caused by Streptococcus dysgalactiae subspecies equisimilis: case report and incidence study in a tertiary-care hospital. BMC Infectious Diseases, 2013, 13, 381.	1.3	12
43	Influence of the Vaginal Microbiota on Toxic Shock Syndrome Toxin 1 Production by Staphylococcus aureus. Applied and Environmental Microbiology, 2013, 79, 1835-1842.	1.4	35
44	Staphylococcal superantigens in colonization and disease. Frontiers in Cellular and Infection Microbiology, 2012, 2, 52.	1.8	121
45	CD1dâ€independent activation of mouse and human iNKT cells by bacterial superantigens. Immunology and Cell Biology, 2012, 90, 699-709.	1.0	44
46	Importance of Vaginal Microbes in Reproductive Health. Reproductive Sciences, 2012, 19, 235-242.	1.1	85
47	Lactobacillus reuteri -produced cyclic dipeptides quench agr -mediated expression of toxic shock syndrome toxin-1 in staphylococci. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3360-3365.	3.3	183
48	The T Cell Receptor Î²-Chain Second Complementarity Determining Region Loop (CDR2Î²) Governs T Cell Activation and VÎ² Specificity by Bacterial Superantigens. Journal of Biological Chemistry, 2011, 286, 4871-4881.	1.6	17
49	Toll-like receptor 2 ligands on the staphylococcal cell wall downregulate superantigen-induced T cell activation and prevent toxic shock syndrome. Nature Medicine, 2009, 15, 641-648.	15.2	121
50	Neutralization of Multiple Staphylococcal Superantigens by a Singleâ€Chain Protein Consisting of Affinityâ€Matured, Variable Domain Repeats. Journal of Infectious Diseases, 2008, 198, 344-348.	1.9	20
51	Molecular Requirements for MHC Class II Î±-Chain Engagement and Allelic Discrimination by the Bacterial Superantigen Streptococcal Pyrogenic Exotoxin C. Journal of Immunology, 2008, 181, 3384-3392.	0.4	17
52	T Cell Signalling Induced by Bacterial Superantigens. , 2007, 93, 161-180.		33
53	Crystal Structure of the Streptococcal Superantigen SpeI and Functional Role of a Novel Loop Domain in T Cell Activation by Group V Superantigens. Journal of Molecular Biology, 2007, 367, 925-934.	2.0	34
54	A Novel Loop Domain in Superantigens Extends their T Cell Receptor Recognition Site. Journal of Molecular Biology, 2007, 371, 210-221.	2.0	41

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55	Structural basis of T-cell specificity and activation by the bacterial superantigen TSST-1. EMBO Journal, 2007, 26, 1187-1197.	3.5	54
56	Inhibition of expression of a staphylococcal superantigen-like protein by a soluble factor from Lactobacillus reuteri. Microbiology (United Kingdom), 2006, 152, 1155-1167.	0.7	68
57	Bacterial Superantigens Bypass Lck-Dependent T Cell Receptor Signaling by Activating a GÎ±11-Dependent, PLC-Î²-Mediated Pathway. Immunity, 2006, 25, 67-78.	6.6	82
58	Molecular Basis of TCR Selectivity, Cross-Reactivity, and Allelic Discrimination by a Bacterial Superantigen: Integrative Functional and Energetic Mapping of the SpeC-VÎ²2.1 Molecular Interface. Journal of Immunology, 2006, 177, 8595-8603.	0.4	20
59	Long-range cooperative binding effects in a T cell receptor variable domain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9867-9872.	3.3	64
60	An amino-terminal domain of Enterococcus faecalis aggregation substance is required for aggregation, bacterial internalization by epithelial cells and binding to lipoteichoic acid. Molecular Microbiology, 2004, 52, 1159-1171.	1.2	64
61	Surface-enhanced laser desorption/ionization-time of flight-mass spectrometry (SELDI-TOF-MS): A new proteomic urinary test for patients with urolithiasis. Journal of Clinical Laboratory Analysis, 2004, 18, 170-175.	0.9	59
62	Expression, Purification, and Detection of Novel Streptococcal Superantigens. , 2003, 214, 033-043.		7
63	Pyrogenic, Lethal, and Emetic Properties of Superantigens in Rabbits and Primates. , 2003, 214, 245-253.		7
64	Potential Uses of Probiotics in Clinical Practice. Clinical Microbiology Reviews, 2003, 16, 658-672.	5.7	703
65	Functional Analysis of the TCR Binding Domain of Toxic Shock Syndrome Toxin-1 Predicts Further Diversity in MHC Class II/Superantigen/TCR Ternary Complexes. Journal of Immunology, 2003, 171, 1385-1392.	0.4	44
66	The Zinc-Dependent Major Histocompatibility Complex Class II Binding Site of Streptococcal Pyrogenic Exotoxin C Is Critical for Maximal Superantigen Function and Toxic Activity. Infection and Immunity, 2003, 71, 1548-1550.	1.0	20
67	Repression of the Staphylococcus aureus Accessory Gene Regulator in Serum and In Vivo. Journal of Bacteriology, 2002, 184, 1095-1101.	1.0	108
68	Genome sequence of a serotype M3 strain of group A Streptococcus: Phage-encoded toxins, the high-virulence phenotype, and clone emergence. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10078-10083.	3.3	452
69	Characterization and Expression Analysis of Staphylococcus aureus Pathogenicity Island 3. Journal of Biological Chemistry, 2002, 277, 13138-13147.	1.6	123
70	Characterization of Two Novel Pyrogenic Toxin Superantigens Made by an Acute Rheumatic Fever Clone of Streptococcus pyogenes Associated with Multiple Disease Outbreaks. Infection and Immunity, 2002, 70, 7095-7104.	1.0	66
71	Formation of Vegetations during Infective Endocarditis Excludes Binding of Bacterialâ€Specific Host Antibodies toEnterococcus faecalis. Journal of Infectious Diseases, 2002, 185, 994-997.	1.9	43
72	Structures of Two Streptococcal Superantigens Bound to TCR Î² Chains Reveal Diversity in the Architecture of T Cell Signaling Complexes. Structure, 2002, 10, 687-699.	1.6	116

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73	Toxic Shock Syndrome and Bacterial Superantigens: An Update. Annual Review of Microbiology, 2001, 55, 77-104.	2.9	683
74	Crystal Structure of a Superantigen Bound to the High-Affinity, Zinc-Dependent Site on MHC Class II. Immunity, 2001, 14, 93-104.	6.6	134
75	Antibodies to a Surface-Exposed, N-terminal Domain of Aggregation Substance Are Not Protective in the Rabbit Model of Enterococcus faecalis Infective Endocarditis. Infection and Immunity, 2001, 69, 3305-3314.	1.0	35
76	Functional Characterization of Streptococcal Pyrogenic Exotoxin J, a Novel Superantigen. Infection and Immunity, 2001, 69, 1381-1388.	1.0	45
77	Identification of a Novel Two-Component Regulatory System That Acts in Global Regulation of Virulence Factors of Staphylococcus aureus. Journal of Bacteriology, 2001, 183, 1113-1123.	1.0	281
78	Pathogenic mechanisms of enterococcal endocarditis. Current Infectious Disease Reports, 2000, 2, 315-321.	1.3	29
79	Development of Streptococcal Pyrogenic Exotoxin C Vaccine Toxoids That Are Protective in the Rabbit Model of Toxic Shock Syndrome. Journal of Immunology, 2000, 165, 2306-2312.	0.4	66
80	Genetic Characterization and Heterologous Expression of Brochocin-C, an Antibotulinal, Two-Peptide Bacteriocin Produced by Brochothrix campestris ATCC 43754. Applied and Environmental Microbiology, 1998, 64, 4757-4766.	1.4	67
81	Survival and recovery of Aeromonas hydrophila in water: development of methodology for testing bottled water in Canada. Canadian Journal of Microbiology, 1994, 40, 145-148.	0.8	36
82	Toxins and Superantigens of Group A Streptococci. , 0, , 47-58.		7