Thomas E Kehl-Fie

List of Publications by Year
in descending order

49 papers	3,876 citations	201674 27 h-index	214800 47 g-index
51 all docs	51 docs citations	51 times ranked	3739 citing authors

#	Article	IF	Citations
1	Nutritional immunity beyond iron: a role for manganese and zinc. Current Opinion in Chemical Biology, 2010, 14, 218-224.	6.1	539
2	Nutrient Metal Sequestration by Calprotectin Inhibits Bacterial Superoxide Defense, Enhancing Neutrophil Killing of Staphylococcus aureus. Cell Host and Microbe, 2011, 10, 158-164.	11.0	337
3	Molecular basis for manganese sequestration by calprotectin and roles in the innate immune response to invading bacterial pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3841-3846.	7.1	325
4	Zinc Sequestration by the Neutrophil Protein Calprotectin Enhances Salmonella Growth in the Inflamed Gut. Cell Host and Microbe, 2012, 11, 227-239.	11.0	286
5	Identification of an Acinetobacter baumannii Zinc Acquisition System that Facilitates Resistance to Calprotectin-mediated Zinc Sequestration. PLoS Pathogens, 2012, 8, e1003068.	4.7	226
6	SCAN1 mutant Tdp1 accumulates the enzymeâ€œDNA intermediate and causes camptothecin hypersensitivity. EMBO Journal, 2005, 24, 2224-2233.	7.8	179
7	MntABC and MntH Contribute to Systemic Staphylococcus aureus Infection by Competing with Calprotectin for Nutrient Manganese. Infection and Immunity, 2013, 81, 3395-3405.	2.2	173
8	Identification and Characterization of an RTX Toxin in the Emerging Pathogen Kingella kingae. Journal of Bacteriology, 2007, 189, 430-436.	2.2	128
9	The Metallophore Staphylopine Enables <i>Staphylococcus aureus</i> To Compete with the Host for Zinc and Overcome Nutritional Immunity. MBio, 2017, 8, .	4.1	106
10	The <scp>CsoR</scp>â€like sulfurtransferase repressor (<scp>CstR</scp>) is a persulfide sensor in <scp><i>S</i></scp><i>taphylococcus aureus</i>. Molecular Microbiology, 2014, 94, 1343-1360.	2.5	102
11	Role of Calprotectin in Withholding Zinc and Copper from Candida albicans. Infection and Immunity, 2018, 86, .	2.2	98
12	Control of Copper Resistance and Inorganic Sulfur Metabolism by Paralogous Regulators in Staphylococcus aureus. Journal of Biological Chemistry, 2011, 286, 13522-13531.	3.4	91
13	A Superoxide Dismutase Capable of Functioning with Iron or Manganese Promotes the Resistance of Staphylococcus aureus to Calprotectin and Nutritional Immunity. PLoS Pathogens, 2017, 13, e1006125.	4.7	89
14	Legionella pneumophila DotU and IcmF Are Required for Stability of the Dot/Icm Complex. Infection and Immunity, 2004, 72, 5983-5992.	2.2	88
15	Role of Copper Efflux in Pneumococcal Pathogenesis and Resistance to Macrophage-Mediated Immune Clearance. Infection and Immunity, 2015, 83, 1684-1694.	2.2	80
16	The Host Protein Calprotectin Modulates the Helicobacter pylori cag Type IV Secretion System via Zinc Sequestration. PLoS Pathogens, 2014, 10, e1004450.	4.7	78
17	Hydrogen Sulfide and Reactive Sulfur Species Impact Proteome <i>S</i>-Sulfhydration and Global Virulence Regulation in <i>Staphylococcus aureus</i>. ACS Infectious Diseases, 2017, 3, 744-755.	3.8	73
18	The Two-Component System ArlRS and Alterations in Metabolism Enable Staphylococcus aureus to Resist Calprotectin-Induced Manganese Starvation. PLoS Pathogens, 2016, 12, e1006040.	4.7	71

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19	Sulfide Homeostasis and Nitroxyl Intersect via Formation of Reactive Sulfur Species in Staphylococcus aureus. MSphere, 2017, 2, .	2.9	71
20	<i>Kingella kingae</i> Expresses Type IV Pili That Mediate Adherence to Respiratory Epithelial and Synovial Cells. Journal of Bacteriology, 2008, 190, 7157-7163.	2.2	62
21	Expression of <i>Kingella kingae</i> Type IV Pili Is Regulated by Ïƒ ⁵⁴ , PilS, and PilR. Journal of Bacteriology, 2009, 191, 4976-4986.	2.2	56
22	Copper intoxication inhibits aerobic nucleotide synthesis in Streptococcus pneumoniae. Metallomics, 2015, 7, 786-794.	2.4	53
23	Dietary Manganese Promotes Staphylococcal Infection of the Heart. Cell Host and Microbe, 2017, 22, 531-542.e8.	11.0	51
24	Modulation of Kingella kingae Adherence to Human Epithelial Cells by Type IV Pili, Capsule, and a Novel Trimeric Autotransporter. MBio, 2012, 3, .	4.1	49
25	Examination of Type IV Pilus Expression and Pilus-Associated Phenotypes in <i>Kingella kingae</i> Clinical Isolates. Infection and Immunity, 2010, 78, 1692-1699.	2.2	40
26	Activation of heme biosynthesis by a small molecule that is toxic to fermenting <i>Staphylococcus aureus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8206-8211.	7.1	40
27	Synergy between Nutritional Immunity and Independent Host Defenses Contributes to the Importance of the MntABC Manganese Transporter during <i>Staphylococcus aureus</i> Infection. Infection and Immunity, 2019, 87, .	2.2	34
28	Identification of Zinc-Dependent Mechanisms Used by Group B <i>Streptococcus</i> To Overcome Calprotectin-Mediated Stress. MBio, 2020, 11, .	4.1	30
29	Bioinformatic Mapping of Opine-Like Zincophore Biosynthesis in Bacteria. MSystems, 2020, 5, .	3.8	26
30	Competition for Manganese at the Hostâ€“Pathogen Interface. Progress in Molecular Biology and Translational Science, 2016, 142, 1-25.	1.7	23
31	Metal-independent variants of phosphoglycerate mutase promote resistance to nutritional immunity and retention of glycolysis during infection. PLoS Pathogens, 2019, 15, e1007971.	4.7	23
32	Yersiniabactin contributes to overcoming zinc restriction during <i>Yersinia pestis</i> infection of mammalian and insect hosts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
33	An evolutionary path to altered cofactor specificity in a metalloenzyme. Nature Communications, 2020, 11, 2738.	12.8	22
34	PhoPR Contributes to Staphylococcus aureus Growth during Phosphate Starvation and Pathogenesis in an Environment-Specific Manner. Infection and Immunity, 2018, 86, .	2.2	21
35	Acquisition of the Phosphate Transporter NptA Enhances Staphylococcus aureus Pathogenesis by Improving Phosphate Uptake in Divergent Environments. Infection and Immunity, 2018, 86, .	2.2	20
36	Intracellular Accumulation of Staphylopine Can Sensitize Staphylococcus aureus to Host-Imposed Zinc Starvation by Chelation-Independent Toxicity. Journal of Bacteriology, 2020, 202, .	2.2	18

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37	Cdc42 Promotes Host Defenses against Fatal Infection. Infection and Immunity, 2013, 81, 2714-2723.	2.2	17
38	Disruption of Glycolysis by Nutritional Immunity Activates a Two-Component System That Coordinates a Metabolic and Antihost Response by Staphylococcus aureus. MBio, 2019, 10, .	4.1	17
39	Inhibition of bacterial superoxide defense. Virulence, 2012, 3, 325-328.	4.4	16
40	Host-imposed manganese starvation of invading pathogens: two routes to the same destination. BioMetals, 2015, 28, 509-519.	4.1	16
41	Role of respiratory <scp>NADH</scp> oxidation in the regulation of <i>Staphylococcus aureus</i> virulence. EMBO Reports, 2020, 21, e45832.	4.5	16
42	Translocator Proteins in the Two-partner Secretion Family Have Multiple Domains*. Journal of Biological Chemistry, 2006, 281, 18051-18058.	3.4	14
43	The sensor histidine kinase ArlS is necessary for Staphylococcus aureus to activate ArlR in response to nutrient availability. Journal of Bacteriology, 2021, 203, e0042221.	2.2	10
44	Genomic Analyses Identify Manganese Homeostasis as a Driver of Group B Streptococcal Vaginal Colonization. MBio, 2022, 13, .	4.1	9
45	Battle for Metals: Regulatory RNAs at the Front Line. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	9
46	Old dogs, new tricks: New insights into the iron/manganese superoxide dismutase family. Journal of Inorganic Biochemistry, 2022, 230, 111748.	3.5	7
47	Metal Sequestration: An Important Contribution of Antimicrobial Peptides to Nutritional Immunity. , 2016, , 89-100.		6
48	Staphylococcus aureus Preferentially Liberates Inorganic Phosphate from Organophosphates in Environments where This Nutrient Is Limiting. Journal of Bacteriology, 2020, 202, .	2.2	4
49	Disruption of Phosphate Homeostasis Sensitizes Staphylococcus aureus to Nutritional Immunity. Infection and Immunity, 2020, 88, .	2.2	4