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	Old dogs, new tricks: New insights into the iron/manganese superoxide dismutase family. Journal of Inorganic Biochemistry, 2022, 230, 111748.	3.5	7
2	Genomic Analyses Identify Manganese Homeostasis as a Driver of Group B Streptococcal Vaginal Colonization. MBio, 2022, 13, .	4.1	9
3	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
4	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
5	Staphylococcus aureus Preferentially Liberates Inorganic Phosphate from Organophosphates in Environments where This Nutrient Is Limiting. Journal of Bacteriology, 2020, 202, .	2.2	4
6	Identification of Zinc-Dependent Mechanisms Used by Group B <i>Streptococcus</i> To Overcome Calprotectin-Mediated Stress. MBio, 2020, 11, .	4.1	30
7	Bioinformatic Mapping of Opine-Like Zincophore Biosynthesis in Bacteria. MSystems, 2020, 5, .	3.8	26
8	An evolutionary path to altered cofactor specificity in a metalloenzyme. Nature Communications, 2020, 11, 2738.	12.8	22
9	Role of respiratory <scp>NADH</scp> oxidation in the regulation of <i>Staphylococcus aureus</i> virulence. EMBO Reports, 2020, 21, e45832.	4.5	16
10	Disruption of Phosphate Homeostasis Sensitizes Staphylococcus aureus to Nutritional Immunity. Infection and Immunity, 2020, 88, .	2.2	4
11	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
12	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
13	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
14	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
15	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
16	Role of Calprotectin in Withholding Zinc and Copper from Candida albicans. Infection and Immunity, 2018, 86, .	2.2	98
17	PhoPR Contributes to Staphylococcus aureus Growth during Phosphate Starvation and Pathogenesis in an Environment-Specific Manner. Infection and Immunity, 2018, 86, .	2.2	21
18	Dietary Manganese Promotes Staphylococcal Infection of the Heart. Cell Host and Microbe, 2017, 22, 531-542.e8.	11.0	51

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19	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
20	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
21	Sulfide Homeostasis and Nitroxyl Intersect via Formation of Reactive Sulfur Species in Staphylococcus aureus. MSphere, 2017, 2, .	2.9	71
22	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
23	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
24	Competition for Manganese at the Hostâ€"Pathogen Interface. Progress in Molecular Biology and Translational Science, 2016, 142, 1-25.	1.7	23
25	Metal Sequestration: An Important Contribution of Antimicrobial Peptides to Nutritional Immunity. , 2016, , 89-100.		6
26	Role of Copper Efflux in Pneumococcal Pathogenesis and Resistance to Macrophage-Mediated Immune Clearance. Infection and Immunity, 2015, 83, 1684-1694.	2.2	80
27	Copper intoxication inhibits aerobic nucleotide synthesis in Streptococcus pneumoniae. Metallomics, 2015, 7, 786-794.	2.4	53
28	Host-imposed manganese starvation of invading pathogens: two routes to the same destination. BioMetals, 2015, 28, 509-519.	4.1	16
29	The Host Protein Calprotectin Modulates the Helicobacter pylori cag Type IV Secretion System via Zinc Sequestration. PLoS Pathogens, 2014, 10, e1004450.	4.7	78
30	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
31	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
32	Cdc42 Promotes Host Defenses against Fatal Infection. Infection and Immunity, 2013, 81, 2714-2723.	2.2	17
33	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
34	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
35	Identification of an Acinetobacter baumannii Zinc Acquisition System that Facilitates Resistance to Calprotectin-mediated Zinc Sequestration. PLoS Pathogens, 2012, 8, e1003068.	4.7	226
36	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

#	Article	IF	Citations
37	Inhibition of bacterial superoxide defense. Virulence, 2012, 3, 325-328.	4.4	16
38	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
39	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
40	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
41	Nutritional immunity beyond iron: a role for manganese and zinc. Current Opinion in Chemical Biology, 2010, 14, 218-224.	6.1	539
42	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
43	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
44	<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
45	Identification and Characterization of an RTX Toxin in the Emerging Pathogen Kingella kingae. Journal of Bacteriology, 2007, 189, 430-436.	2.2	128
46	Translocator Proteins in the Two-partner Secretion Family Have Multiple Domains*. Journal of Biological Chemistry, 2006, 281, 18051-18058.	3.4	14
47	SCAN1 mutant Tdp1 accumulates the enzymeâ€“DNA intermediate and causes camptothecin hypersensitivity. EMBO Journal, 2005, 24, 2224-2233.	7.8	179
48	Legionella pneumophila DotU and IcmF Are Required for Stability of the Dot/Icm Complex. Infection and Immunity, 2004, 72, 5983-5992.	2.2	88
49	Battle for Metals: Regulatory RNAs at the Front Line. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	9