

Ronald S Flannagan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,524
citations

279798

23
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

5341
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial mechanisms of phagocytes and bacterial evasion strategies. <i>Nature Reviews Microbiology</i> , 2009, 7, 355-366.	28.6	812
2	The Cell Biology of Phagocytosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2012, 7, 61-98.	22.4	791
3	Lysosomal calcium homeostasis defects, not proton pump defects, cause endo-lysosomal dysfunction in PSEN-deficient cells. <i>Journal of Cell Biology</i> , 2012, 198, 23-35.	5.2	187
4	Intracellular replication of <i>Staphylococcus aureus</i> in mature phagolysosomes in macrophages precedes host cell death, and bacterial escape and dissemination. <i>Cellular Microbiology</i> , 2016, 18, 514-535.	2.1	174
5	Antimicrobial Mechanisms of Macrophages and the Immune Evasion Strategies of <i>Staphylococcus aureus</i> . <i>Pathogens</i> , 2015, 4, 826-868.	2.8	151
6	A system for the construction of targeted unmarked gene deletions in the genus <i>Burkholderia</i> . <i>Environmental Microbiology</i> , 2008, 10, 1652-1660.	3.8	145
7	A Complete Lipopolysaccharide Inner Core Oligosaccharide Is Required for Resistance of <i>Burkholderia cenocepacia</i> to Antimicrobial Peptides and Bacterial Survival In Vivo. <i>Journal of Bacteriology</i> , 2006, 188, 2073-2080.	2.2	126
8	Dynamic macrophage "probing" is required for the efficient capture of phagocytic targets. <i>Journal of Cell Biology</i> , 2010, 191, 1205-1218.	5.2	124
9	A Novel Sensor Kinase-Response Regulator Hybrid Controls Biofilm Formation and Type VI Secretion System Activity in <i>Burkholderia cenocepacia</i> . <i>Infection and Immunity</i> , 2008, 76, 1979-1991.	2.2	121
10	A Putative Gene Cluster for Aminoarabinose Biosynthesis Is Essential for <i>Burkholderia cenocepacia</i> Viability. <i>Journal of Bacteriology</i> , 2007, 189, 3639-3644.	2.2	101
11	The phosphatidylserine receptor TIM4 utilizes integrins as coreceptors to effect phagocytosis. <i>Molecular Biology of the Cell</i> , 2014, 25, 1511-1522.	2.1	93
12	<i>Burkholderia cenocepacia</i> Requires a Periplasmic HtrA Protease for Growth under Thermal and Osmotic Stress and for Survival In Vivo. <i>Infection and Immunity</i> , 2007, 75, 1679-1689.	2.2	81
13	Assessment of three Resistance-Nodulation-Cell Division drug efflux transporters of <i>Burkholderia cenocepacia</i> in intrinsic antibiotic resistance. <i>BMC Microbiology</i> , 2009, 9, 200.	3.3	72
14	<i>Bdellovibrio exovorus</i> sp. nov., a novel predator of <i>Caulobacter crescentus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 146-151.	1.7	71
15	<i>Staphylococcus aureus</i> Uses the GraXRS Regulatory System To Sense and Adapt to the Acidified Phagolysosome in Macrophages. <i>MBio</i> , 2018, 9, .	4.1	57
16	Discovery of an antivirulence compound that reverses β -lactam resistance in MRSA. <i>Nature Chemical Biology</i> , 2020, 16, 143-149.	8.0	57
17	Stress-induced inactivation of the <i>Staphylococcus aureus</i> purine biosynthesis repressor leads to hypervirulence. <i>Nature Communications</i> , 2019, 10, 775.	12.8	54
18	<i>Burkholderia cenocepacia</i> requires RpoE for growth under stress conditions and delay of phagolysosomal fusion in macrophages. <i>Microbiology (United Kingdom)</i> , 2008, 154, 643-653.	1.8	36

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19	A two-tier model of polymyxin B resistance in <i>Burkholderia cenocepacia</i> . Environmental Microbiology Reports, 2011, 3, 278-285.	2.4	36
20	<i>Burkholderia cenocepacia</i> disrupts host cell actin cytoskeleton by inactivating Rac and Cdc42. Cellular Microbiology, 2012, 14, 239-254.	2.1	32
21	Downregulation of the <i>motA</i> gene delays the escape of the obligate predator <i>Bdellovibrio bacteriovorus</i> 109J from bdelloplasts of bacterial prey cells. Microbiology (United Kingdom), 2004, 150, 649-656.	1.8	28
22	Coagulase-negative staphylococci release a purine analog that inhibits <i>Staphylococcus aureus</i> virulence. Nature Communications, 2021, 12, 1887.	12.8	27
23	<i>De Novo</i> Purine Biosynthesis Is Required for Intracellular Growth of <i>Staphylococcus aureus</i> and for the Hypervirulence Phenotype of a <i>purR</i> Mutant. Infection and Immunity, 2020, 88, .	2.2	24
24	A minor catalase/peroxidase from <i>Burkholderia cenocepacia</i> is required for normal aconitase activity. Microbiology (United Kingdom), 2005, 151, 1975-1985.	1.8	23
25	A Fluorescence Based-Proliferation Assay for the Identification of Replicating Bacteria Within Host Cells. Frontiers in Microbiology, 2018, 9, 3084.	3.5	18
26	Superantigens promote <i>Staphylococcus aureus</i> bloodstream infection by eliciting pathogenic interferon-gamma production. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
27	Rapid removal of phagosomal ferroportin in macrophages contributes to nutritional immunity. Blood Advances, 2021, 5, 459-474.	5.2	13
28	Macrophage-driven nutrient delivery to phagosomal <i>Staphylococcus aureus</i> supports bacterial growth. EMBO Reports, 2020, 21, e50348.	4.5	12
29	Heme-Dependent Siderophore Utilization Promotes Iron-Restricted Growth of the <i>Staphylococcus aureus</i> <i>hemB</i> Small-Colony Variant. Journal of Bacteriology, 2021, 203, e0045821.	2.2	10
30	The surreptitious survival of the emerging pathogen <i>Staphylococcus lugdunensis</i> within macrophages as an immune evasion strategy. Cellular Microbiology, 2018, 20, e12869.	2.1	9
31	The Application of Fluorescent Probes for the Analysis of Lipid Dynamics During Phagocytosis. Methods in Molecular Biology, 2010, 591, 121-134.	0.9	8
32	<i>In Vivo</i> growth of <i>Staphylococcus lugdunensis</i> is facilitated by the concerted function of heme and non-heme iron acquisition mechanisms. Journal of Biological Chemistry, 2022, 298, 101823.	3.4	6
33	Editorial: Fly fishing with RNAi catches novel effectors of phagocytosis. Journal of Leukocyte Biology, 2011, 89, 643-645.	3.3	3
34	Mutations in a Membrane Permease or <i>hpt</i> Lead to 6-Thioguanine Resistance in <i>Staphylococcus aureus</i> . Antimicrobial Agents and Chemotherapy, 2021, 65, e0076021.	3.2	3
35	<i>Burkholderia cenocepacia</i> infection. Cell Adhesion and Migration, 2012, 6, 297-301.	2.7	2
36	Signaling of Phagocytosis. , 2016, , 83-96.		0

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37	Dynamic macrophage "probing" is required for the efficient capture of phagocytic targets. Journal of Experimental Medicine, 2010, 207, i37-i37.	8.5	0
38	The Antimicrobial Functions of Macrophages. , 2014, , 111-129.		0