Ralph Isberg

List of Articles by Year in descending order

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160 peer-reviewed articles	12,566 peer-reviewed citations	19437 61 peer-reviewed h-index	102340 6.14 score
181 documents	16068 doc citations	20543 65 h-index	17563 citing authors

#	Article	IF	Citations
1	Identification of determinants that allow maintenance of high-level fluoroquinolone resistance in Acinetobacter baumannii. MBio, 2025, 16, .	3.1	4
2	Streptococcus pneumoniae favors tolerance via metabolic adaptation over resistance to circumvent fluoroquinolones. MBio, 2024, 15, .	3.1	10
3	A random mutagenesis screen enriched for missense mutations in bacterial effector proteins. G3: Genes, Genomes, Genetics, 2024, 14, .	1.4	2
4	Genetic evidence for a regulated cysteine protease catalytic triad in LegA7, a Legionella pneumophila protein that impinges on a stress response pathway. MSphere, 2024, 9, .	2.1	0
5	Sde proteins coordinate ubiquitin utilization and phosphoribosylation to establish and maintain the Legionella replication vacuole. Nature Communications, 2024, 15, .	10.8	21
6	A conserved zinc-binding site in Acinetobacter baumannii PBP2 required for elongasome-directed bacterial cell shape. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	5.2	18
7	Identification of Genes Required for Long-Term Survival of Legionella pneumophila in Water. MSphere, 2023, 8, .	2.1	7
8	The Sde phosphoribosyl–linked ubiquitin transferases protect the Legionella pneumophila vacuole from degradation by the host. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	5.2	18
9	Immunosuppression broadens evolutionary pathways to drug resistance and treatment failure during Acinetobacter baumannii pneumonia in mice. Nature Microbiology, 2022, 7, 796-809.	9.9	54
10	5' Untranslated mRNA Regions Allow Bypass of Host Cell Translation Inhibition by Legionella pneumophila. Infection and Immunity, 2022, 90, .	2.0	6
11	Members of the Legionella pneumophila Sde family target tyrosine residues for phosphoribosyl-linked ubiquitination. RSC Chemical Biology, 2021, 2, 1509-1519.	2.6	33
12	Essential Gene Analysis in Acinetobacter baumannii by High-Density Transposon Mutagenesis and CRISPR Interference. Journal of Bacteriology, 2021, 203, .	2.2	56
13	Heightened Virulence of Yersinia Is Associated with Decreased Function of the YopJ Protein. Infection and Immunity, 2021, 89, .	2.0	9
14	SdhA blocks disruption of the Legionella-containing vacuole by hijacking the OCRL phosphatase. Cell Reports, 2021, 37, 109894.	4.4	30
15	Yersinia pseudotuberculosis YopE prevents uptake by M cells and instigates M cell extrusion in human ileal enteroid-derived monolayers. Gut Microbes, 2021, 13, .	8.4	27
16	Entropy of a bacterial stress response is a generalizable predictor for fitness and antibiotic sensitivity. Nature Communications, 2020, 11, .	10.8	51
17	Antibiotic susceptibility signatures identify potential antimicrobial targets in the Acinetobacter baumannii cell envelope. Nature Communications, 2020, 11, .	10.8	100
18	The vacuole guard hypothesis: how intravacuolar pathogens fight to maintain the integrity of their beloved home. Current Opinion in Microbiology, 2020, 54, 51-58.	4.9	28

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19	Components of the endocytic and recycling trafficking pathways interfere with the integrity of the Legionella -containing vacuole. Cellular Microbiology, 2020, 22, .	0.7	26
20	Iron-Sulfur Cluster Repair Contributes to Yersinia pseudotuberculosis Survival within Deep Tissues. Infection and Immunity, 2019, 87, .	2.0	21
21	The iron-regulated vacuolar Legionella pneumophila MavN protein is a transition-metal transporter. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17775-17785.	5.2	32
22	Acinetobacter baumannii: Envelope Determinants That Control Drug Resistance, Virulence, and Surface Variability. Annual Review of Microbiology, 2019, 73, 481-506.	6.5	139
23	The Landscape of Phenotypic and Transcriptional Responses to Ciprofloxacin in Acinetobacter baumannii: Acquired Resistance Alleles Modulate Drug-Induced SOS Response and Prophage Replication. MBio, 2019, 10, .	3.1	45
24	New Age Strategies To Reconstruct Mucosal Tissue Colonization and Growth in Cell Culture Systems. Microbiology Spectrum, 2019, 7, .	2.3	14
25	Legionella pneumophila translocated translation inhibitors are required for bacterial-induced host cell cycle arrest. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3221-3228.	5.2	32
26	Droplet Tn-Seq combines microfluidics with Tn-Seq for identifying complex single-cell phenotypes. Nature Communications, 2019, 10, .	10.8	79
27	Investigation of the host transcriptional response to intracellular bacterial infection using Dictyostelium discoideum as a host model. BMC Genomics, 2019, 20, .	2.1	26
28	One for All, but Not All for One: Social Behavior during Bacterial Diseases. Trends in Microbiology, 2019, 27, 64-74.	7.0	23
29	An Experimental Pipeline for Initial Characterization of Bacterial Type III Secretion System Inhibitor Mode of Action Using Enteropathogenic Yersinia. Frontiers in Cellular and Infection Microbiology, 2018, 8, .	2.8	16
30	Constitutive Interferon Maintains GBP Expression Required for Release of Bacterial Components Upstream of Pyroptosis and Anti-DNA Responses. Cell Reports, 2018, 24, 155-168.e5.	4.4	94
31	A global regulatory system links virulence and antibiotic resistance to envelope homeostasis in Acinetobacter baumannii. PLoS Pathogens, 2018, 14, e1007030.	2.9	128
32	Interplay Between Antibiotic Resistance and Virulence During Disease Promoted by Multidrug-Resistant Bacteria. Journal of Infectious Diseases, 2017, 215, S9-S17.	2.2	192
33	A Single Legionella Effector Catalyzes a Multistep Ubiquitination Pathway to Rearrange Tubular Endoplasmic Reticulum for Replication. Cell Host and Microbe, 2017, 21, 169-181.	12.2	212
34	Host Cell S Phase Restricts Legionella pneumophila Intracellular Replication by Destabilizing the Membrane-Bound Replication Compartment. MBio, 2017, 8, .	3.1	40
35	Innate Immunity to Intracellular Pathogens: Balancing Microbial Elimination and Inflammation. Cell Host and Microbe, 2017, 22, 166-175.	12.2	118
36	Identification and Characterization of a Candidate Wolbachia pipientis Type IV Effector That Interacts with the Actin Cytoskeleton. MBio, 2016, 7, .	3.1	77

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37	Defining heterogeneity within bacterial populations via single cell approaches. BioEssays, 2016, 38, 782-790.	1.7	142
38	Iron Limitation Triggers Early Egress by the Intracellular Bacterial Pathogen Legionella pneumophila. Infection and Immunity, 2016, 84, 2185-2197.	2.0	25
39	CD8 + T cells specific to a single Yersinia pseudotuberculosis epitope restrict bacterial replication in the liver but fail to provide sterilizing immunity. Infection, Genetics and Evolution, 2016, 43, 289-296.	1.6	3
40	Robust bioengineered 3D functional human intestinal epithelium. Scientific Reports, 2015, 5, .	2.7	160
41	Identification of Mammalian Proteins That Collaborate with Type III Secretion System Function: Involvement of a Chemokine Receptor in Supporting Translocon Activity. MBio, 2015, 6, .	3.1	33
42	Endoplasmic Reticulum Tubule Protein Reticulon 4 Associates with the Legionella pneumophila Vacuole and with Translocated Substrate Ceg9. Infection and Immunity, 2015, 83, 3479-3489.	2.0	37
43	Antibiotic Modulation of Capsular Exopolysaccharide and Virulence in Acinetobacter baumannii. PLoS Pathogens, 2015, 11, e1004691.	2.9	575
44	Modulation of the host innate immune and inflammatory response by translocated bacterial proteins. Cellular Microbiology, 2015, 17, 785-795.	0.7	63
45	MavN is a *Legionella pneumophila* vacuole-associated protein required for efficient iron acquisition during intracellular growth. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, .	5.2	74
46	Inhibition of host cell translation elongation by *Legionella pneumophila* blocks the host cell unfolded protein response. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, .	5.2	68
47	Community Behavior and Spatial Regulation within a Bacterial Microcolony in Deep Tissue Sites Serves to Protect against Host Attack. Cell Host and Microbe, 2015, 17, 21-31.	12.2	143
48	The Frustrated Host Response to Legionella pneumophila Is Bypassed by MyD88-Dependent Translation of Pro-inflammatory Cytokines. PLoS Pathogens, 2014, 10, e1004229.	2.9	64
49	Master Manipulators: An Update on *Legionella Pneumophila* Icm/Dot Translocated Substrates and their Host targets. Future Microbiology, 2014, 9, 343-359.	1.4	92
50	Bacterial Pathogen Manipulation of Host Membrane Trafficking. Annual Review of Cell and Developmental Biology, 2014, 30, 79-109.	6.4	151
51	Maintenance of vacuole integrity by bacterial pathogens. Current Opinion in Microbiology, 2014, 17, 46-52.	4.9	64
52	IcmQ in the Type 4b Secretion System Contains an NAD+ Binding Domain. Structure, 2013, 21, 1361-1373.	2.4	7
53	Cdc42 interacts with the exocyst complex to promote phagocytosis. Journal of Cell Biology, 2013, 200, 81-93.	3.6	40
54	Poison Domains Block Transit of Translocated Substrates via the Legionella pneumophila Icm/Dot System. Infection and Immunity, 2013, 81, 3239-3252.	2.0	27

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55	Experimental Evolution of Legionella pneumophila in Mouse Macrophages Leads to Strains with Altered Determinants of Environmental Survival. PLoS Pathogens, 2012, 8, e1002731.	2.9	78
56	Identification of MrtAB, an ABC Transporter Specifically Required for Yersinia pseudotuberculosis to Colonize the Mesenteric Lymph Nodes. PLoS Pathogens, 2012, 8, e1002828.	2.9	54
57	The protein SdhA maintains the integrity of the Legionella -containing vacuole. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3481-3486.	5.2	210
58	Aggravating Genetic Interactions Allow a Solution to Redundancy in a Bacterial Pathogen. Science, 2012, 338, 1440-1444.	26.1	127
59	The Legionella pneumophila EnhC Protein Interferes with Immunostimulatory Muramyl Peptide Production to Evade Innate Immunity. Cell Host and Microbe, 2012, 12, 166-176.	12.2	34
60	Analyzing microbial disease at high resolution: following the fate of the bacterium during infection. Current Opinion in Microbiology, 2012, 15, 23-27.	4.9	11
61	Yersinia Entry into Host Cells Requires Rab5-Dependent Dephosphorylation of PI(4,5)P2 and Membrane Scission. Cell Host and Microbe, 2012, 11, 117-128.	12.2	63
62	Control of Host Cell Phosphorylation by Legionella Pneumophila. Frontiers in Microbiology, 2011, 2, .	2.9	29
63	The E Block motif is associated withLegionella pneumophilatranslocated substrates. Cellular Microbiology, 2011, 13, 227-245.	0.7	209
64	Minimization of the Legionella pneumophila genome reveals chromosomal regions involved in host range expansion. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14733-14740.	5.2	192
65	LnaB: a Legionella pneumophila activator of NF-κB. Cellular Microbiology, 2010, 12, 1083-1097.	0.7	121
66	E3 Ubiquitin Ligase Activity and Targeting of BAT3 by MultipleLegionella pneumophilaTranslocated Substrates. Infection and Immunity, 2010, 78, 3905-3919.	2.0	120
67	Scaffold Proteins IRSp53 and Spinophilin Regulate Localized Rac Activation by T-lymphocyte Invasion and Metastasis Protein 1 (TIAM1). Journal of Biological Chemistry, 2010, 285, 18060-18071.	1.3	25
68	A Hemidominant Naip5 Allele in Mouse Strain MOLF/Ei-Derived Macrophages Restricts Legionella pneumophila Intracellular Growth. Infection and Immunity, 2009, 77, 196-204.	2.0	24
69	Innate Immune Recognition of Yersinia pseudotuberculosis Type III Secretion. PLoS Pathogens, 2009, 5, e1000686.	2.9	90
70	CD8+ T Cells Restrict Yersinia pseudotuberculosis Infection: Bypass of Anti-Phagocytosis by Targeting Antigen-Presenting Cells. PLoS Pathogens, 2009, 5, e1000573.	2.9	49
71	Yersinia pseudotuberculosisVirulence Determinants Invasin, YopE, and YopT Modulate RhoG Activity and Localization. Infection and Immunity, 2009, 77, 4771-4782.	2.0	36
72	Structure and Function of Interacting IcmR-IcmQ Domains from a Type IVb Secretion System in Legionella pneumophila. Structure, 2009, 17, 590-601.	2.4	16

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73	Large-scale identification ofLegionella pneumophilaDot/Icm substrates that modulate host cell vesicle trafficking pathways. Cellular Microbiology, 2009, 11, 230-248.	0.7	156
74	Patterns of Pathogenesis: Discrimination of Pathogenic and Nonpathogenic Microbes by the Innate Immune System. Cell Host and Microbe, 2009, 6, 10-21.	12.2	501
75	The Amoebal MAP Kinase Response to Legionella pneumophila Is Regulated by DupA. Cell Host and Microbe, 2009, 6, 253-267.	12.2	38
76	Legionella pneumophila Dot/Icm translocated substrates: a sum of parts. Current Opinion in Microbiology, 2009, 12, 67-73.	4.9	148
77	Phosphatidylcholine synthesis is required for optimal function of Legionella pneumophila virulence determinants. Cellular Microbiology, 2008, .	0.7	80
78	Efficient uptake of Yersinia pseudotuberculosis via integrin receptors involves a Rac1-Arp 2/3 pathway that bypasses N-WASP function. Molecular Microbiology, 2008, 42, 689-703.	1.8	56
79	Legionella pneumophilaEnhC is required for efficient replication in tumour necrosis factor α-stimulated macrophages. Cellular Microbiology, 2008, 10, 1906-1923.	0.7	56
80	Lasker-Koshland Award to 21st Century Microbe Master. Cell, 2008, 134, 907-910.	23.4	3
81	The Polybasic Region of Rac1 Modulates Bacterial Uptake Independently of Self-association and Membrane Targeting. Journal of Biological Chemistry, 2008, 283, 35954-35965.	1.3	16
82	Distinct Roles for MyD88 and Toll-Like Receptors 2, 5, and 9 in Phagocytosis ofBorrelia burgdorferiand Cytokine Induction. Infection and Immunity, 2008, 76, 2341-2351.	2.0	92
83	The Legionella pneumophila replication vacuole: making a cosy niche inside host cells. Nature Reviews Microbiology, 2008, 7, 13-24.	58.2	678
84	Growth of Yersinia pseudotuberculosis in Mice Occurs Independently of Toll-Like Receptor 2 Expression and Induction of Interleukin-10. Infection and Immunity, 2007, 75, 3561-3570.	2.0	34
85	A Legionella pneumophila-translocated substrate that is required for growth within macrophages and protection from host cell death. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18745-18750.	5.2	208
86	Targeting of Host Rab GTPase Function by the Intravacuolar Pathogen Legionella pneumophila. Developmental Cell, 2006, 11, 47-56.	5.3	347
87	Towards a molecular understanding of human diseases using Dictyostelium discoideum. Trends in Molecular Medicine, 2006, 12, 415-424.	6.4	110
88	Non-vertebrate hosts in the analysis of host–pathogen interactions. Microbes and Infection, 2006, 8, 1637-1646.	1.7	25
89	RNA Interference Analysis of Legionella in Drosophila Cells: Exploitation of Early Secretory Apparatus Dynamics. PLoS Pathogens, 2006, 2, e34.	2.9	212
90	Members of a Legionella pneumophila Family of Proteins with ExoU (Phospholipase A) Active Sites Are Translocated to Target Cells. Infection and Immunity, 2006, 74, 3597-3606.	2.0	108

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91	Disruption of RhoGDI and RhoA Regulation by a Rac1 Specificity Switch Mutant. Journal of Biological Chemistry, 2006, 281, 40379-40388.	1.3	31
92	Yersinia pseudotuberculosis disseminates directly from a replicating bacterial pool in the intestine. Journal of Experimental Medicine, 2006, 203, 1591-1601.	5.9	156
93	NF-κB translocation prevents host cell death after low-dose challenge by Legionella pneumophila. Journal of Experimental Medicine, 2006, 203, 2177-2189.	5.9	190
94	Dictyostelium discoideum strains lacking the RtoA protein are defective for maturation of the Legionella pneumophila replication vacuole. Cellular Microbiology, 2005, 7, 431-442.	0.7	70
95	Yersinia pseudotuberculosis Spatially Controls Activation and Misregulation of Host Cell Rac1. PLoS Pathogens, 2005, 1, e16.	2.9	60
96	The DotL Protein, a Member of the TraG-Coupling Protein Family, Is Essential for Viability of Legionella pneumophila Strain Lp02. Journal of Bacteriology, 2005, 187, 2927-2938.	2.2	55
97	LidA, a Translocated Substrate of the Legionella pneumophila Type IV Secretion System, Interferes with the Early Secretory Pathway. Infection and Immunity, 2005, 73, 4370-4380.	2.0	95
98	Emerging views on integrin signaling via Rac1 during invasin-promoted bacterial uptake. Current Opinion in Microbiology, 2005, 8, 4-9.	4.9	50
99	IcmF and DotU Are Required for Optimal Effector Translocation and Trafficking of the Legionella pneumophila Vacuole. Infection and Immunity, 2004, 72, 5972-5982.	2.0	56
100	Macrophages from Mice with the Restrictive Lgn1 Allele Exhibit Multifactorial Resistance to Legionella pneumophila. Infection and Immunity, 2004, 72, 6221-6229.	2.0	75
101	Legionella pneumophila Replication Vacuole Formation Involves Rapid Recruitment of Proteins of the Early Secretory System. Infection and Immunity, 2004, 72, 3048-3053.	2.0	219
102	IcmR-regulated Membrane Insertion and Efflux by the Legionella pneumophila IcmQ Protein. Journal of Biological Chemistry, 2004, 279, 4686-4695.	1.3	40
103	Multiple substrates of the Legionella pneumophila Dot/Icm system identified by interbacterial protein transfer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 841-846.	5.2	483
104	The Legionella pneumophila LidA protein: a translocated substrate of the Dot/Icm system associated with maintenance of bacterial integrity. Molecular Microbiology, 2003, 48, 305-321.	1.8	254
105	Arf6 and Phosphoinositol-4-Phosphate-5-Kinase Activities Permit Bypass of the Rac1 Requirement for β1 Integrin–mediated Bacterial Uptake. Journal of Experimental Medicine, 2003, 198, 603-614.	5.9	80
106	Intracellular Replication of Mycobacterium marinum within Dictyostelium discoideum: Efficient Replication in the Absence of Host Coronin. Infection and Immunity, 2003, 71, 3578-3586.	2.0	134
107	Macrophage-Induced Genes of Legionella pneumophila: Protection from Reactive Intermediates and Solute Imbalance during Intracellular Growth. Infection and Immunity, 2002, 70, 3637-3648.	2.0	57
108	9 Measurement of bacterial uptake by cultured cells. Methods in Microbiology, 2002, , 179-188.	0.3	3

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109	Dancing with the Host. Cell, 2002, 110, 1-4.	23.4	100
110	Formation of a fibrous structure on the surface of Legionella pneumophila associated with exposure of DotH and DotO proteins after intracellular growth. Molecular Microbiology, 2001, 39, 313-330.	1.8	55
111	The Legionella pneumophila IcmR protein exhibits chaperone activity for IcmQ by preventing its participation in high-molecular-weight complexes. Molecular Microbiology, 2001, 40, 1113-1127.	1.8	76
112	Legionella pneumophila Is Internalized by a Macropinocytotic Uptake Pathway Controlled by the Dot/Icm System and the Mouse Lgn1 Locus✪. Journal of Experimental Medicine, 2001, 194, 1081-1096.	5.9	147
113	Integrin beta1-chain residues involved in substrate recognition and specificity of binding to invasin. Cellular Microbiology, 2000, 2, 219-230.	0.7	11
114	Signaling and invasin-promoted uptake via integrin receptors. Microbes and Infection, 2000, 2, 793-801.	1.7	116
115	Intracellular Growth of Legionella pneumophila in Dictyostelium discoideum, a System for Genetic Analysis of Host-Pathogen Interactions. Infection and Immunity, 2000, 68,	2.0	215
116	An Immunoglobulin Superfamily-Like Domain Unique to the Yersinia pseudotuberculosis Invasin Protein Is Required for Stimulation of Bacterial Uptake via Integrin Receptors. Infection and Immunity, 2000, 68, 2930-2938.	2.0	57
117	Growth of Legionella pneumophila in Dictyostelium discoideum: a novel system for genetic analysis of host–pathogen interactions. Trends in Microbiology, 2000, 8, 478-480.	7.0	116
118	A region of the Yersinia pseudotuberculosis invasin protein enhances integrin-mediated uptake into mammalian cells and promotes self-association. EMBO Journal, 1999, 18, 1199-1213.	5.1	131
119	Cell biology of Legionella pneumophila. Current Opinion in Microbiology, 1999, 2, 30-34.	4.9	155
120	Evidence for pore-forming ability by Legionella pneumophila. Molecular Microbiology, 1998, 27, 323-336.	1.8	222
121	Legionella pneumophilaDotA protein is required for early phagosome trafficking decisions that occur within minutes of bacterial uptake. Molecular Microbiology, 1998, 28, 663-674.	1.8	365
122	SWIM analysis allows rapid identification of residues involved in invasin-mediated bacterial uptake. Gene, 1998, 211, 109-116.	1.6	2
123	Legionnaires' disease: the pore macrophage and the legion of terror within. Trends in Microbiology, 1998, 6, 256-258.	7.0	42
124	Recombinant Soluble Human α3β1Integrin: Purification, Processing, Regulation, and Specific Binding to Laminin-5 and Invasin in a Mutually Exclusive Manner†. Biochemistry, 1998, 37, 10945-10955.	1.5	112
125	Involvement of focal adhesion kinase in invasin-mediated uptake. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13658-13663.	5.2	118
126	Differential Effects of Integrin α Chain Mutations on Invasin and Natural Ligand Interaction. Journal of Biological Chemistry, 1998, 273, 31837-31843.	1.3	26

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127	Identification of Linked Legionella pneumophila Genes Essential for Intracellular Growth and Evasion of the Endocytic Pathway. Infection and Immunity, 1998, 66, 950-958.	2.0	206
128	Transcriptional regulation of the Yersinia pseudotuberculosis pH 6 antigen adhesin by two envelope-associated components. Molecular Microbiology, 1997, 24, 499-510.	1.8	72
129	Analysis of the Intracellular Fate of Legionella pneumophila Mutants. Annals of the New York Academy of Sciences, 1996, 797, 8-18.	2.6	72
130	Use of Salt to Isolate Legionella pneumophila Mutants Unable to Replicate in Macrophages. Annals of the New York Academy of Sciences, 1996, 797, 271-272.	2.6	68
131	Analysis of the Role of Invasin during Yersinia pseudotuberculosis Infection of Mice. Annals of the New York Academy of Sciences, 1996, 797, 290-292.	2.6	19
132	Bacterial pathogenesis: Common entry mechanisms. Current Biology, 1996, 6, 1084-1086.	2.5	35
133	A Region of the Invasin Protein That Contributes to High Affinity Binding to Integrin Receptors. Journal of Biological Chemistry, 1996, 271, 23438-23444.	1.3	37
134	Mutations in the Cytoplasmic Domain of the Integrin β1 Chain Indicate a Role for Endocytosis Factors in Bacterial Internalization. Journal of Biological Chemistry, 1996, 271, 7665-7672.	1.3	72
135	The mechanism of phagocytic uptake promoted by invasin-integrin interaction. Trends in Cell Biology, 1995, 5, 120-124.	10.9	68
136	Lgn1, a gene that determines susceptibility to Legionella pneumophila, maps to mouse chromosome 13. Genomics, 1995, 26, 443-450.	2.0	80
137	Altered intracellular targeting properties associated with mutations in the Legionella pneumophila dotA gene. Molecular Microbiology, 1994, 14, 809-822.	1.8	279
138	Two Mammalian Cell Internalization Strategies Used by Pathogenic Bacteria. Annual Review of Genetics, 1994, 28, 395-422.	4.6	72
139	Binding and internalization of microorganisms by integrin receptors. Trends in Microbiology, 1994, 2, 10-14.	7.0	197
140	Two distinct defects in intracellular growth complemented by a single genetic locus in Legionella pneumophila. Molecular Microbiology, 1993, 7, 7-19.	1.8	680
141	Cellular Internalization of Staphylococcus aureus Coated with Protein A-Bound Anti-integrin Antibodies. ImmunoMethods, 1993, 2, 71-77.	0.7	2
142	Cellular internalization in the absence of invasin expression is promoted by the Yersinia pseudotuberculosis yadA product. Infection and Immunity, 1993, 61, 3907-3913.	2.0	83
143	The Interaction of Bacteria with Mammalian Cells. Annual Review of Cell Biology, 1992, 8, 333-363.	39.8	338
144	Binding of cultured mammalian cells to immobilized bacteria. Infection and Immunity, 1992, 60, 683-686.	2.0	35

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145	The integrin-binding domain of invasin is sufficient to allow bacterial entry into mammalian cells. Infection and Immunity, 1992, 60, 3909-3912.	2.0	72
146	Mapping and topographic localization of epitopes of the Yersinia pseudotuberculosis invasin protein. Infection and Immunity, 1991, 59, 3424-3433.	2.0	37
147	Multiple β1 chain integrins are receptors for invasin, a protein that promotes bacterial penetration into mammalian cells. Cell, 1990, 60, 861-871.	23.4	881
148	Determinants for thermoinducible cell binding and plasmid-encoded cellular penetration detected in the absence of the Yersinia pseudotuberculosis invasin protein. Infection and Immunity, 1989, 57, 1998-2005.	2.0	86
149	Cultured mammalian cells attach to the invasin protein of Yersinia pseudotuberculosis.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 6682-6686.	5.2	108
150	Analysis of expression and thermoregulation of the Yersinia pseudotuberculosis inv gene with hybrid proteins. Infection and Immunity, 1988, 56, 2133-2138.	2.0	112
151	A Molecular Strategy for the Study of Bacterial Invasion. Clinical Infectious Diseases, 1987, 9, S450-S455.	3.7	55
152	Identification of invasin: A protein that allows enteric bacteria to penetrate cultured mammalian cells. Cell, 1987, 50, 769-778.	23.4	658
153	Comparison of the ability of enteroinvasive Escherichia coli, Salmonella typhimurium, Yersinia pseudotuberculosis, and Yersinia enterocolitica to enter and replicate within HEp-2 cells. Infection and Immunity, 1987, 55, 1674-1679.	2.0	183
154	Genetic analysis of cell invasiveness by Yersinia pseudotuberculosis. Annales De L'Institut Pasteur Microbiologie, 1986, 137, 308-310.	0.5	2
155	A single genetic locus encoded by Yersinia pseudotuberculosis permits invasion of cultured animal cells by Escherichia coli K-12. Nature, 1985, 317, 262-264.	30.7	605
156	Transposition of the kanamycin-resistance transposon Tn903. Molecular Genetics and Genomics, 1980, 178, 681-689.	0.5	19
157	Topologically correct synthetic reconstruction of pathogen social behavior found during Yersinia growth in deep tissue sites. ELife, 0, 9, .	1.0	6
158	Resistance, heteroresistance, and fitness costs drive colistin treatment failure during Acinetobacter baumannii pneumonia. Proceedings of the National Academy of Sciences of the United States of America, 0, 123, .	5.2	4
159	Loss of essential outer membrane functions causes drug hypersensitization in Acinetobacter baumannii overexpressing multidrug efflux pumps. MBio, 0, 17, .	3.1	0
160	Host CD59 potentiates the type III secretion system in Yersinia pseudotuberculosis. Scientific Reports, 0, , .	2.7	0