

Raphael H Valdivia

List of Publications by Year in descending order

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92
papers

10,398
citations

70961

41
h-index

45213

90
g-index

123
all docs

123
docs citations

123
times ranked

9971
citing authors

#	ARTICLE	IF	CITATIONS
1	FACS-optimized mutants of the green fluorescent protein (GFP). <i>Gene</i> , 1996, 173, 33-38.	1.0	2,830
2	Extraintestinal dissemination of <i>Salmonella</i> by CD18-expressing phagocytes. <i>Nature</i> , 1999, 401, 804-808.	13.7	606
3	Fluorescence-Based Isolation of Bacterial Genes Expressed Within Host Cells. <i>Science</i> , 1997, 277, 2007-2011.	6.0	575
4	Macrophage-dependent induction of the <i>Salmonella</i> pathogenicity island 2 type III secretion system and its role in intracellular survival. <i>Molecular Microbiology</i> , 1998, 30, 175-188.	1.2	563
5	Bacterial genetics by flow cytometry: rapid isolation of <i>Salmonella typhimurium</i> acid-inducible promoters by differential fluorescence induction. <i>Molecular Microbiology</i> , 1996, 22, 367-378.	1.2	442
6	Cytoplasmic lipid droplets are translocated into the lumen of the <i>Chlamydia trachomatis</i> parasitophorous vacuole. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9379-9384.	3.3	277
7	Applications for green fluorescent protein (GFP) in the study of host-pathogen interactions. <i>Gene</i> , 1996, 173, 47-52.	1.0	276
8	STING-Dependent Recognition of Cyclic di-AMP Mediates Type I Interferon Responses during <i>Chlamydia trachomatis</i> Infection. <i>MBio</i> , 2013, 4, e00018-13.	1.8	201
9	The Yeast Clathrin Adaptor Protein Complex 1 Is Required for the Efficient Retention of a Subset of Late Golgi Membrane Proteins. <i>Developmental Cell</i> , 2002, 2, 283-294.	3.1	197
10	The Obligate Intracellular Pathogen <i>Chlamydia trachomatis</i> Targets Host Lipid Droplets. <i>Current Biology</i> , 2006, 16, 1646-1651.	1.8	193
11	<i>Chlamydial</i> Intracellular Survival Strategies. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a010256-a010256.	2.9	192
12	Actin and Intermediate Filaments Stabilize the <i>Chlamydia trachomatis</i> Vacuole by Forming Dynamic Structural Scaffolds. <i>Cell Host and Microbe</i> , 2008, 4, 159-169.	5.1	189
13	Emerging Roles for Lipid Droplets in Immunity and Host-Pathogen Interactions. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 411-437.	4.0	186
14	Global Mapping of the Inc-Human Interactome Reveals that Retromer Restricts <i>Chlamydia</i> Infection. <i>Cell Host and Microbe</i> , 2015, 18, 109-121.	5.1	174
15	Quantitative proteomics reveals metabolic and pathogenic properties of <i>Chlamydia trachomatis</i> developmental forms. <i>Molecular Microbiology</i> , 2011, 82, 1185-1203.	1.2	171
16	IRG and GBP Host Resistance Factors Target Aberrant, "Non-self" Vacuoles Characterized by the Missing "Self" IRGM Proteins. <i>PLoS Pathogens</i> , 2013, 9, e1003414.	2.1	163
17	Leading a Sheltered Life: Intracellular Pathogens and Maintenance of Vacuolar Compartments. <i>Cell Host and Microbe</i> , 2009, 5, 593-601.	5.1	153
18	<i>Chlamydia</i> effector proteins and new insights into chlamydial cellular microbiology. <i>Current Opinion in Microbiology</i> , 2008, 11, 53-59.	2.3	145

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19	Engineering of obligate intracellular bacteria: progress, challenges and paradigms. <i>Nature Reviews Microbiology</i> , 2017, 15, 544-558.	13.6	144
20	The yeasts Rho1p and Pkc1p regulate the transport of chitin synthase III (Chs3p) from internal stores to the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10287-10292.	3.3	139
21	Virulence determinants in the obligate intracellular pathogen <i>Chlamydia trachomatis</i> revealed by forward genetic approaches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1263-1268.	3.3	139
22	Integrating Chemical Mutagenesis and Whole-Genome Sequencing as a Platform for Forward and Reverse Genetic Analysis of <i>Chlamydia</i> . <i>Cell Host and Microbe</i> , 2015, 17, 716-725.	5.1	134
23	Reassessing the role of the secreted protease CPAF in <i>Chlamydia trachomatis</i> infection through genetic approaches. <i>Pathogens and Disease</i> , 2014, 71, 336-351.	0.8	126
24	The <i>Chlamydia trachomatis</i> Inclusion Membrane Protein CpoS Counteracts STING-Mediated Cellular Surveillance and Suicide Programs. <i>Cell Host and Microbe</i> , 2017, 21, 113-121.	5.1	115
25	Acquisition of nutrients by <i>Chlamydiae</i> : unique challenges of living in an intracellular compartment. <i>Current Opinion in Microbiology</i> , 2010, 13, 4-10.	2.3	98
26	Multifunctional analysis of <i>Chlamydia</i> specific genes in a yeast expression system. <i>Molecular Microbiology</i> , 2006, 60, 51-66.	1.2	93
27	New insights into <i>Chlamydia</i> intracellular survival mechanisms. <i>Cellular Microbiology</i> , 2009, 11, 1571-1578.	1.1	90
28	<i>Chlamydia</i> Persistence: A Survival Strategy to Evade Antimicrobial Effects in-vitro and in-vivo. <i>Frontiers in Microbiology</i> , 2018, 9, 3101.	1.5	89
29	The <i>Chlamydia</i> Type III Secretion System C-ring Engages a Chaperone-Effector Protein Complex. <i>PLoS Pathogens</i> , 2009, 5, e1000579.	2.1	87
30	The <i>Chlamydia trachomatis</i> Type III Secretion Chaperone Slc1 Engages Multiple Early Effectors, Including TepP, a Tyrosine-phosphorylated Protein Required for the Recruitment of CrkII to Nascent Inclusions and Innate Immune Signaling. <i>PLoS Pathogens</i> , 2014, 10, e1003954.	2.1	83
31	The <i>Chlamydia</i> Protease CPAF Regulates Host and Bacterial Proteins to Maintain Pathogen Vacuole Integrity and Promote Virulence. <i>Cell Host and Microbe</i> , 2011, 10, 21-32.	5.1	82
32	<i>Coxiella burnetii</i> Effector Proteins That Localize to the Parasitophorous Vacuole Membrane Promote Intracellular Replication. <i>Infection and Immunity</i> , 2015, 83, 661-670.	1.0	79
33	Site-specific glycosylation regulates the form and function of the intermediate filament cytoskeleton. <i>ELife</i> , 2018, 7, .	2.8	62
34	Genotypic and Phenotypic Diversity among Human Isolates of <i>Akkermansia muciniphila</i> . <i>MBio</i> , 2021, 12, .	1.8	60
35	Search for MicroRNAs Expressed by Intracellular Bacterial Pathogens in Infected Mammalian Cells. <i>PLoS ONE</i> , 2014, 9, e106434.	1.1	59
36	A <i>Chlamydia</i> effector combining deubiquitination and acetylation activities induces Golgi fragmentation. <i>Nature Microbiology</i> , 2018, 3, 1377-1384.	5.9	55

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37	Probing bacterial gene expression within host cells. Trends in Microbiology, 1997, 5, 360-363.	3.5	54
38	Identification of host-induced pathogen genes by differential fluorescence induction reporter systems. Nature Protocols, 2007, 2, 770-777.	5.5	53
39	Chlamydia trachomatis Infection Leads to Defined Alterations to the Lipid Droplet Proteome in Epithelial Cells. PLoS ONE, 2015, 10, e0124630.	1.1	51
40	Host-microbe interactions: bacteria. Current Opinion in Microbiology, 2009, 12, 1-3.	2.3	50
41	An Atlas of Genetic Variation Linking Pathogen-Induced Cellular Traits to Human Disease. Cell Host and Microbe, 2018, 24, 308-323.e6.	5.1	48
42	Pmp-Like Proteins Pls1 and Pls2 Are Secreted into the Lumen of the <i>Chlamydia trachomatis</i> Inclusion. Infection and Immunity, 2008, 76, 3940-3950.	1.0	46
43	Emancipating Chlamydia: Advances in the Genetic Manipulation of a Recalcitrant Intracellular Pathogen. Microbiology and Molecular Biology Reviews, 2016, 80, 411-427.	2.9	46
44	Modeling the Function of Bacterial Virulence Factors in <i>Saccharomyces cerevisiae</i> . Eukaryotic Cell, 2004, 3, 827-834.	3.4	45
45	Lipooligosaccharide is required for the generation of infectious elementary bodies in <i>Chlamydia trachomatis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10284-10289.	3.3	42
46	Flow cytometry and bacterial pathogenesis. Current Opinion in Microbiology, 1998, 1, 359-363.	2.3	41
47	Mutations in <i>hemG</i> Mediate Resistance to Salicylidene Acylhydrazides, Demonstrating a Novel Link between Protoporphyrinogen Oxidase (HemC) and <i>Chlamydia trachomatis</i> Infectivity. Journal of Bacteriology, 2013, 195, 4221-4230.	1.0	41
48	The Effector TepP Mediates Recruitment and Activation of Phosphoinositide 3-Kinase on Early <i>Chlamydia trachomatis</i> Vacuoles. MSphere, 2017, 2, .	1.3	39
49	cPLA2 Regulates the Expression of Type I Interferons and Intracellular Immunity to <i>Chlamydia trachomatis</i> . Journal of Biological Chemistry, 2010, 285, 21625-21635.	1.6	37
50	<i>mig-14</i> Is a Horizontally Acquired, Host-Induced Gene Required for <i>Salmonella enterica</i> Lethal Infection in the Murine Model of Typhoid Fever. Infection and Immunity, 2000, 68, 7126-7131.	1.0	31
51	Forward Genetic Approaches in <i>Chlamydia trachomatis</i> . Journal of Visualized Experiments, 2013, , e50636.	0.2	31
52	Molecular Genetic Analysis of <i>Chlamydia</i> Species. Annual Review of Microbiology, 2016, 70, 179-198.	2.9	29
53	The CD14 receptor does not mediate entry of <i>Mycobacterium tuberculosis</i> into human mononuclear phagocytes. FEMS Immunology and Medical Microbiology, 2003, 36, 63-69.	2.7	28
54	An endometrial organoid model of interactions between <i>Chlamydia</i> and epithelial and immune cells. Journal of Cell Science, 2021, 134, .	1.2	28

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55	Uncivil engineers:Chlamydia,SalmonellaandShigellaalter cytoskeleton architecture to invade epithelial cells. <i>Future Microbiology</i> , 2010, 5, 1219-1232.	1.0	25
56	Differential Translocation of Host Cellular Materials into the Chlamydia trachomatis Inclusion Lumen during Chemical Fixation. <i>PLoS ONE</i> , 2015, 10, e0139153.	1.1	25
57	A 2-Pyridone-Amide Inhibitor Targets the Glucose Metabolism Pathway of Chlamydia trachomatis. <i>MBio</i> , 2015, 6, e02304-14.	1.8	22
58	[4] Applications of gene fusions to green fluorescent protein and flow cytometry to the study of bacterial gene expression in host cells. <i>Methods in Enzymology</i> , 2000, 326, 47-73.	0.4	21
59	The Chlamydia-Secreted Protease CPAF Promotes Chlamydial Survival in the Mouse Lower Genital Tract. <i>Infection and Immunity</i> , 2016, 84, 2697-2702.	1.0	21
60	Discovery of the Elusive UDP-Diacylglycerol Glucosyltransferase in the Lipid A Biosynthetic Pathway in Chlamydia trachomatis. <i>MBio</i> , 2016, 7, e00090.	1.8	19
61	Chlamydia trachomatis fails to protect its growth niche against pro-apoptotic insults. <i>Cell Death and Differentiation</i> , 2019, 26, 1485-1500.	5.0	19
62	The Pediatric Obesity Microbiome and Metabolism Study (POMMS): Methods, Baseline Data, and Early Insights. <i>Obesity</i> , 2021, 29, 569-578.	1.5	19
63	Human Genome-Wide RNAi Screen for Host Factors That Modulate Intracellular Salmonella Growth. <i>PLoS ONE</i> , 2012, 7, e38097.	1.1	18
64	Reorganization of the host cytoskeleton by the intracellular pathogenChlamydia trachomatis. <i>Communicative and Integrative Biology</i> , 2008, 1, 175-177.	0.6	17
65	Endosymbiosis: The Evil within. <i>Current Biology</i> , 2007, 17, R408-R410.	1.8	14
66	Chlamydia Protease-like Activity Factor (CPAF): Characterization of Proteolysis Activity in Vitro and Development of a Nanomolar Affinity CPAF Zymogen-Derived Inhibitor. <i>Biochemistry</i> , 2011, 50, 7441-7443.	1.2	14
67	Insertional mutagenesis in the zoonotic pathogen Chlamydia caviae. <i>PLoS ONE</i> , 2019, 14, e0224324.	1.1	14
68	A renewed tool kit to explore Chlamydia pathogenesis: from molecular genetics to new infection models. <i>F1000Research</i> , 2019, 8, 935.	0.8	14
69	N-Acylated Derivatives of Sulfamethoxazole Block Chlamydia Fatty Acid Synthesis and Interact with FabF. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	11
70	Genomic sequencing-based mutational enrichment analysis identifies motility genes in a genetically intractable gut microbe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14127-14132.	3.3	10
71	Modeling of variables in cellular infection reveals CXCL10 levels are regulated by human genetic variation and the Chlamydia-encoded CPAF protease. <i>Scientific Reports</i> , 2020, 10, 18269.	1.6	9
72	A Chlamydia trachomatis strain with a chemically generated amino acid substitution (P370L) in the ctHtrA gene shows reduced elementary body production. <i>BMC Microbiology</i> , 2015, 15, 194.	1.3	8

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73	Ptr/CTL0175 Is Required for the Efficient Recovery of Chlamydia trachomatis From Stress Induced by Gamma-Interferon. <i>Frontiers in Microbiology</i> , 2019, 10, 756.	1.5	8
74	Bacterial genetics and molecular pathogenesis in the age of high throughput DNA sequencing. <i>Current Opinion in Microbiology</i> , 2020, 54, 59-66.	2.3	8
75	A Chemical Mutagenesis Approach to Identify Virulence Determinants in the Obligate Intracellular Pathogen Chlamydia trachomatis. <i>Methods in Molecular Biology</i> , 2014, 1197, 347-358.	0.4	7
76	Assessing the satisfaction and burden within an academic animal care and use program. <i>FASEB Journal</i> , 2017, 31, 3913-3921.	0.2	7
77	The uses of green fluorescent protein in prokaryotes. <i>Methods of Biochemical Analysis</i> , 2006, 47, 163-78.	0.2	7
78	The Uses of Green Fluorescent Protein in Prokaryotes. <i>Methods of Biochemical Analysis</i> , 2005, , 163-178.	0.2	6
79	Application of a Chlamydia trachomatis Expression System To Identify Chlamydia pneumoniae Proteins Translocated into Host Cells. <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	6
80	The Expanding Molecular Genetics Tool Kit in Chlamydia. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	5
81	Insights into the Autoproteolytic Processing and Catalytic Mechanism of the <i>Chlamydia trachomatis</i> Virulence-Associated Protease CPAF. <i>Biochemistry</i> , 2019, 58, 3527-3536.	1.2	4
82	Regulatory network analysis. <i>Trends in Microbiology</i> , 1999, 7, 398-399.	3.5	3
83	Thinking outside the box: new strategies for antichlamydial control. <i>Future Microbiology</i> , 2012, 7, 427-429.	1.0	3
84	Cell Biology of the Chlamydial Inclusion. , 0, , 170-191.		3
85	Human genetic diversity regulating the TLR10/TLR1/TLR6 locus confers increased cytokines in response to Chlamydia trachomatis. <i>Human Genetics and Genomics Advances</i> , 2022, 3, 100071.	1.0	3
86	Chlamydia trachomatisâ€™ struggle to keep its host alive. <i>Microbial Cell</i> , 2017, 4, 101-104.	1.4	2
87	The Chlamydia trachomatis Protease CPAF Contains a Cryptic PDZ-Like Domain with Similarity to Human Cell Polarity and Tight Junction PDZ-Containing Proteins. <i>PLoS ONE</i> , 2016, 11, e0147233.	1.1	2
88	1.1 Detection of Virulence Genes Expressed within Infected Cells. <i>Methods in Microbiology</i> , 1998, , 3-12.	0.4	1
89	Cell biology at the hostâ€™microbe interface. <i>Molecular Biology of the Cell</i> , 2014, 25, 729-729.	0.9	1
90	Bacterial Subversion of COG-Dependent Membrane Traffic. <i>Trends in Cell Biology</i> , 2017, 27, 877-878.	3.6	1

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91	New Tools for Virulence Gene Discovery. , 2014, , 473-488.		0
92	PL03.1â€¦Advances in chlamydia genetics â€œ from understanding basic biology to vaccine design. Sexually Transmitted Infections, 2015, 91, A3.1-A3.	0.8	0