# Martin J Fraunholz

List of Publications by Year
in descending order



| 64 | 9,329 | 109321 | 123424 |
|---|---|---|---|
| papers | citations | 35 h-index | 61 g-index |

| 69 | 69 | 69 | 9376 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genome sequence of the human malaria parasite Plasmodium falciparum. Nature, 2002, 419, 498-511. | 27.8 | 3,881 |
| 2 | Metabolic maps and functions of the Plasmodium falciparum apicoplast. Nature Reviews Microbiology, 2004, 2, 203-216. | 28.6 | 560 |
| 3 | The highly reduced genome of an enslaved algal nucleus. Nature, 2001, 410, 1091-1096. | 27.8 | 429 |
| 4 | Dissecting Apicoplast Targeting in the Malaria Parasite Plasmodium falciparum. Science, 2003, 299, 705-708. | 12.6 | 425 |
| 5 | PlasmoDB: the Plasmodium genome resource. A database integrating experimental and computational data. Nucleic Acids Research, 2003, 31, 212-215. | 14.5 | 329 |
| 6 | Intracellular staphylococcus aureus: Live-in and let die. Frontiers in Cellular and Infection Microbiology, 2012, 2, 43. | 3.9 | 295 |
| 7 | Cytoskeletal Components of an Invasion Machineâ€"The Apical Complex of Toxoplasma gondii. PLoS Pathogens, 2006, 2, e13. | 4.7 | 251 |
| 8 | The Stringent Response of Staphylococcus aureus and Its Impact on Survival after Phagocytosis through the Induction of Intracellular PSMs Expression. PLoS Pathogens, 2012, 8, e1003016. | 4.7 | 209 |
| 9 | Cytoplasmic replication ofStaphylococcus aureusupon phagosomal escape triggered by phenol-soluble modulin Î±. Cellular Microbiology, 2014, 16, 451-465. | 2.1 | 160 |
| 10 | The Plasmodium genome database. Nature, 2002, 419, 490-492. | 27.8 | 156 |
| 11 | Post-invasion events after infection with Staphylococcus aureus are strongly dependent on both the host cell type and the infecting S.Âaureus strain. Clinical Microbiology and Infection, 2016, 22, 799-809. | 6.0 | 152 |
| 12 | Sigma Factor SigB Is Crucial to Mediate Staphylococcus aureus Adaptation during Chronic Infections. PLoS Pathogens, 2015, 11, e1004870. | 4.7 | 150 |
| 13 | Inside job: Staphylococcus aureus host-pathogen interactions. International Journal of Medical Microbiology, 2018, 308, 607-624. | 3.6 | 148 |
| 14 | Staphylococcus aureus host cell invasion and post-invasion events. International Journal of Medical Microbiology, 2010, 300, 170-175. | 3.6 | 129 |
| 15 | Detailed Analysis of the Human Mitochondrial Contact Site Complex Indicate a Hierarchy of Subunits. PLoS ONE, 2015, 10, e0120213. | 2.5 | 113 |
| 16 | PlasmoDB: the Plasmodium genome resource. An integrated database providing tools for accessing, analyzing and mapping expression and sequence data (both finished and unfinished). Nucleic Acids Research, 2002, 30, 87-90. | 14.5 | 110 |
| 17 | Expression of Î´-toxin by Staphylococcus aureus mediates escape from phago-endosomes of human epithelial and endothelial cells in the presence of Î²-toxin. Cellular Microbiology, 2011, 13, 316-329. | 2.1 | 107 |
| 18 | Natural mutations in a Staphylococcus aureus virulence regulator attenuate cytotoxicity but permit bacteremia and abscess formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3101-10. | 7.1 | 103 |

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|---|---|---|---|
| 19 | Chlamydia preserves the mitochondrial network necessary for replication via microRNA-dependent inhibition of fission. Journal of Cell Biology, 2017, 216, 1071-1089. | 5.2 | 102 |
| 20 | Nonlinear Principal Component Analysis: Neural Network Models and Applications. Lecture Notes in Computational Science and Engineering, 2008, , 44-67. | 0.3 | 91 |
| 21 | A Novel Point Mutation Promotes Growth Phase-Dependent Daptomycin Tolerance in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2015, 59, 5366-5376. | 3.2 | 90 |
| 22 | Rapid Modulation of the Organic Anion Transporting Polypeptide 2B1 (OATP2B1, SLCO2B1) Function by Protein Kinase C-mediated Internalization. Journal of Biological Chemistry, 2010, 285, 11336-11347. | 3.4 | 75 |
| 23 | Transcriptional landscape and essential genes of Neisseria gonorrhoeae. Nucleic Acids Research, 2014, 42, 10579-10595. | 14.5 | 74 |
| 24 | Bacteriocyte dynamics during development of a holometabolous insect, the carpenter ant Camponotus floridanus. BMC Microbiology, 2010, 10, 308. | 3.3 | 72 |
| 25 | Chloroplast protein and centrosomal genes, a tRNA intron, and odd telomeres in an unusually compact eukaryotic genome, the cryptomonad nucleomorph. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 200-205. | 7.1 | 71 |
| 26 | Mining thePlasmodiumgenome database to define organellar function: what does the apicoplast do?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 35-46. | 4.0 | 70 |
| 27 | Phagolysosomal Integrity Is Generally Maintained afterStaphylococcus aureusInvasion of Nonprofessional Phagocytes but Is Modulated by Strain 6850. Infection and Immunity, 2010, 78, 3392-3403. | 2.2 | 68 |
| 28 | Influence of Sae-regulated and Agr-regulated factors on the escape ofStaphylococcus aureusfrom human macrophages. Cellular Microbiology, 2016, 18, 1172-1183. | 2.1 | 67 |
| 29 | In or out: Phagosomal escape ofStaphylococcus aureus. Cellular Microbiology, 2019, 21, e12997. | 2.1 | 66 |
| 30 | Evidence for Nucleomorph to Host Nucleus Gene Transfer: Light-Harvesting Complex Proteins from Cryptomonads and Chlorarachniophytes. Protist, 2000, 151, 239-252. | 1.5 | 64 |
| 31 | Multiple Functionally Redundant Signals Mediate Targeting to the Apicoplast in the Apicomplexan Parasite Toxoplasma gondii. Eukaryotic Cell, 2004, 3, 663-674. | 3.4 | 59 |
| 32 | Staphylococcus aureus Exploits a Non-ribosomal Cyclic Dipeptide to Modulate Survival within Epithelial Cells and Phagocytes. PLoS Pathogens, 2016, 12, e1005857. | 4.7 | 48 |
| 33 | A Nucleomorph-Encoded CbbX and the Phylogeny of RuBisCo Regulators. Molecular Biology and Evolution, 2000, 17, 576-583. | 8.9 | 46 |
| 34 | How Molecules Evolve in Eubacteria. Molecular Biology and Evolution, 2000, 17, 835-838. | 8.9 | 45 |
| 35 | The Spx paralogue MgsR (YqgZ) controls a subregulon within the general stress response of Bacillus subtilis. Molecular Microbiology, 2008, 69, 1104-1120. | 2.5 | 41 |
| 36 | Staphylococcus aureus Alpha-Toxin Disrupts Endothelial-Cell Tight Junctions via Acid Sphingomyelinase and Ceramide. Infection and Immunity, 2018, 86, . | 2.2 | 37 |

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|---|---|---|---|
| 37 | Staphylococcal Alpha-Toxin Is Not Sufficient To Mediate Escape from Phagolysosomes in Upper-Airway Epithelial Cells. Infection and Immunity, 2009, 77, 3611-3625. | 2.2 | 36 |
| 38 | Structure and function of the PorB porin from disseminating Neisseria gonorrhoeae. Biochemical Journal, 2013, 449, 631-642. | 3.7 | 32 |
| 39 | Staphylococcus aureus Î±-Toxin Induces Inflammatory Cytokines via Lysosomal Acid Sphingomyelinase and Ceramides. Cellular Physiology and Biochemistry, 2017, 43, 2170-2184. | 1.6 | 32 |
| 40 | Amino-terminal control of transgenic protein expression levels in Toxoplasma gondii. Molecular and Biochemical Parasitology, 2002, 120, 285-289. | 1.1 | 29 |
| 41 | A three-phase in-vitro system for studying Pseudomonas aeruginosa adhesion and biofilm formation upon hydrogel contact lenses. BMC Microbiology, 2010, 10, 282. | 3.3 | 22 |
| 42 | Codon-improved fluorescent proteins in investigation of Staphylococcus aureus host pathogen interactions. Journal of Microbiological Methods, 2010, 83, 82-86. | 1.6 | 22 |
| 43 | Pilus Phase Variation Switches Gonococcal Adherence to Invasion by Caveolin-1-Dependent Host Cell Signaling. PLoS Pathogens, 2013, 9, e1003373. | 4.7 | 22 |
| 44 | Ancient Gene Duplication and Differential Gene Flow in Plastid Lineages: The GroEL/Cpn60 Example. Journal of Molecular Evolution, 1999, 48, 112-117. | 1.8 | 20 |
| 45 | Complete Genome Sequence of Staphylococcus aureus 6850, a Highly Cytotoxic and Clinically Virulent Methicillin-Sensitive Strain with Distant Relatedness to Prototype Strains. Genome Announcements, 2013, 1, . | 0.8 | 20 |
| 46 | Intracellular Staphylococcus aureus Perturbs the Host Cell Ca <sup>2+</sup> Homeostasis To Promote Cell Death. MBio, 2020, 11, . | 4.1 | 20 |
| 47 | Intracellular Staphylococcus aureus employs the cysteine protease staphopain A to induce host cell death in epithelial cells. PLoS Pathogens, 2021, 17, e1009874. | 4.7 | 18 |
| 48 | Intracellular persistence of Staphylococcus aureus in endothelial cells is promoted by the absence of phenol-soluble modulins. Virulence, 2021, 12, 1186-1198. | 4.4 | 17 |
| 49 | PlasmoDB: The Plasmodium Genome Resource. , 0, , 12-23. | | 17 |
| 50 | Pulmonary infection of cystic fibrosis mice with Staphylococcus aureus requires expression of Î±-toxin. Biological Chemistry, 2018, 399, 1203-1213. | 2.5 | 16 |
| 51 | Long Noncoding RNA SSR42 Controls Staphylococcus aureus Alpha-Toxin Transcription in Response to Environmental Stimuli. Journal of Bacteriology, 2018, 200, . | 2.2 | 15 |
| 52 | Armadillo repeat-containing protein 1 is a dual localization protein associated with mitochondrial intermembrane space bridging complex. PLoS ONE, 2019, 14, e0218303. | 2.5 | 15 |
| 53 | PlasmoDB: exploring genomics and post-genomics data of the malaria parasite,Plasmodium falciparum. Redox Report, 2003, 8, 317-320. | 4.5 | 12 |
| 54 | Systems biology in malaria research. Trends in Parasitology, 2005, 21, 393-395. | 3.3 | 9 |

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|---|---|---|---|
| 55 | A computational model of gene expression reveals early transcriptional events at the subtelomeric regions of the malaria parasite, Plasmodium falciparum. Genome Biology, 2008, 9, R88. | 9.6 | 8 |
| 56 | The Activation of the Rat Insulin Gene II by BETA2 and PDX-1 in Rat Insulinoma Cells Is Repressed by Pax6. Molecular Endocrinology, 2010, 24, 2331-2342. | 3.7 | 8 |
| 57 | Quantitative Proteomics Reveals the Dynamics of Protein Phosphorylation in Human Bronchial Epithelial Cells during Internalization, Phagosomal Escape, and Intracellular Replication of Staphylococcus aureus. Journal of Proteome Research, 2016, 15, 4369-4386. | 3.7 | 8 |
| 58 | WEclMon â€“ A simple and robust camera-based system to monitor Drosophila eclosion under optogenetic manipulation and natural conditions. PLoS ONE, 2017, 12, e0180238. | 2.5 | 7 |
| 59 | Identification of a Novel LysR-Type Transcriptional Regulator in Staphylococcus aureus That Is Crucial for Secondary Tissue Colonization during Metastatic Bloodstream Infection. MBio, 2020, 11, . | 4.1 | 7 |
| 60 | The Expandables: Cracking the Staphylococcal Cell Wall for Expansion Microscopy. Frontiers in Cellular and Infection Microbiology, 2021, 11, 644750. | 3.9 | 7 |
| 61 | Energy metabolism in the apicomplexa. , 2003, , 154-169. | | 5 |
| 62 | Staphylococcus aureus Î±-Toxin Induces Acid Sphingomyelinase Release From a Human Endothelial Cell Line. Frontiers in Microbiology, 2021, 12, 694489. | 3.5 | 4 |
| 63 | Phosphoproteomic Identification of a PDX-1/14-3-3Îµ Interaction in Pancreatic Beta Cells. Hormone and Metabolic Research, 2011, 43, 165-170. | 1.5 | 2 |
| 64 | The taxonomic position of Chlamydomyxa labyrinthuloides. European Journal of Phycology, 1999, 34, 97-108. | 2.0 | 0 |