

Katharina Riedel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4611874/katharina-riedel-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,794
citations

22
h-index

40
g-index

86
ext. papers

2,559
ext. citations

5.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
80	Cellulose and hemicellulose decomposition by forest soil bacteria proceeds by the action of structurally variable enzymatic systems. <i>Scientific Reports</i> , 2016 , 6, 25279	4.9	216
79	Exploring functional contexts of symbiotic sustain within lichen-associated bacteria by comparative omics. <i>ISME Journal</i> , 2015 , 9, 412-24	11.9	159
78	Identification of proteins associated with the <i>Pseudomonas aeruginosa</i> biofilm extracellular matrix. <i>Journal of Proteome Research</i> , 2012 , 11, 4906-15	5.6	150
77	Impact of Dietary Resistant Starch on the Human Gut Microbiome, Metaproteome, and Metabolome. <i>MBio</i> , 2017 , 8,	7.8	145
76	Molecular mechanisms underlying the close association between soil Burkholderia and fungi. <i>ISME Journal</i> , 2016 , 10, 253-64	11.9	76
75	Fungal volatile compounds induce production of the secondary metabolite Sodorifen in <i>Serratia plymuthica</i> PRI-2C. <i>Scientific Reports</i> , 2017 , 7, 862	4.9	65
74	Deciphering functional diversification within the lichen microbiota by meta-omics. <i>Microbiome</i> , 2017 , 5, 82	16.6	54
73	Metaproteomics to unravel major microbial players in leaf litter and soil environments: challenges and perspectives. <i>Proteomics</i> , 2013 , 13, 2895-909	4.8	46
72	A metaproteomics approach to elucidate host and pathogen protein expression during catheter-associated urinary tract infections (CAUTIs). <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 989-1008	7.6	44
71	Virulence Factors Produced by Biofilms Have a Moonlighting Function Contributing to Biofilm Integrity. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1036-1053	7.6	42
70	Decoding the complete arsenal for cellulose and hemicellulose deconstruction in the highly efficient cellulose decomposer <i>Paenibacillus O199</i> . <i>Biotechnology for Biofuels</i> , 2016 , 9, 104	7.8	42
69	Microbial functionality as affected by experimental warming of a temperate mountain forest soil: a metaproteomics survey. <i>Applied Soil Ecology</i> , 2017 , 117-118, 196-202	5	39
68	Deletion of membrane-associated Asp23 leads to upregulation of cell wall stress genes in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2014 , 93, 1259-68	4.1	38
67	Holistic Assessment of Rumen Microbiome Dynamics through Quantitative Metatranscriptomics Reveals Multifunctional Redundancy during Key Steps of Anaerobic Feed Degradation. <i>MSystems</i> , 2018 , 3,	7.6	37
66	Highly precise quantification of protein molecules per cell during stress and starvation responses in <i>Bacillus subtilis</i> . <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 2260-76	7.6	33
65	Symbiotic Interplay of Fungi, Algae, and Bacteria within the Lung Lichen <i>Lobaria pulmonaria</i> L. Hoffm. as Assessed by State-of-the-Art Metaproteomics. <i>Journal of Proteome Research</i> , 2017 , 16, 2160-2173	5.6	29
64	Soil and leaf litter metaproteomics-a brief guideline from sampling to understanding. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	28

63	Aureolib - a proteome signature library: towards an understanding of staphylococcus aureus pathophysiology. <i>PLoS ONE</i> , 2013 , 8, e70669	3.7	26
62	The LichensSMicrobiota, Still a Mystery?. <i>Frontiers in Microbiology</i> , 2021 , 12, 623839	5.7	26
61	Iron Regulation in. <i>Frontiers in Microbiology</i> , 2018 , 9, 3183	5.7	23
60	Costs of life - Dynamics of the protein inventory of Staphylococcus aureus during anaerobiosis. <i>Scientific Reports</i> , 2016 , 6, 28172	4.9	22
59	Milk-deteriorating exoenzymes from Pseudomonas fluorescens 041 isolated from refrigerated raw milk. <i>Brazilian Journal of Microbiology</i> , 2015 , 46, 207-17	2.2	22
58	A Core Genome Multilocus Sequence Typing Scheme for Enterococcus faecalis. <i>Journal of Clinical Microbiology</i> , 2019 , 57,	9.7	22
57	Proteomic analysis of the food spoiler Pseudomonas fluorescens ITEM 17298 reveals the antibiofilm activity of the pepsin-digested bovine lactoferrin. <i>Food Microbiology</i> , 2019 , 82, 177-193	6	21
56	Enhancing Recombinant Protein Yields in the Periplasm by Combining Signal Peptide and Production Rate Screening. <i>Frontiers in Microbiology</i> , 2019 , 10, 1511	5.7	20
55	The HIPPO Transducer YAP and Its Targets CTGF and Cyr61 Drive a Paracrine Signalling in Cold Atmospheric Plasma-Mediated Wound Healing. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 4910280	6.7	19
54	Response of Microbial Communities and Their Metabolic Functions to Drying?Rewetting Stress in a Temperate Forest Soil. <i>Microorganisms</i> , 2019 , 7,	4.9	18
53	Life Stage-specific Proteomes of Legionella pneumophila Reveal a Highly Differential Abundance of Virulence-associated Dot/Icm effectors. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 177-200	7.6	18
52	Data visualization in environmental proteomics. <i>Proteomics</i> , 2013 , 13, 2805-21	4.8	17
51	A sulfur-containing volatile emitted by potato-associated bacteria confers protection against late blight through direct anti-oomycete activity. <i>Scientific Reports</i> , 2019 , 9, 18778	4.9	16
50	Antibacterial metabolites and bacteriolytic enzymes produced by Bacillus pumilus during bacteriolysis of Arthrobacter citreus. <i>Marine Biotechnology</i> , 2015 , 17, 290-304	3.4	14
49	Antimicrobial effects of microwave-induced plasma torch (MiniMIP) treatment on Candida albicans biofilms. <i>Microbial Biotechnology</i> , 2019 , 12, 1034-1048	6.3	14
48	A complete and flexible workflow for metaproteomics data analysis based on MetaProteomeAnalyzer and Prophan. <i>Nature Protocols</i> , 2020 , 15, 3212-3239	18.8	14
47	Biofilm and Pathogenesis-Related Proteins in the Foodborne ITEM 17298 With Distinctive Phenotypes During Cold Storage. <i>Frontiers in Microbiology</i> , 2020 , 11, 991	5.7	13
46	Comprehensive Redox Profiling of the Thiol Proteome of. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 1035-1046	7.6	13

45	Proteome and carbon flux analysis of <i>Pseudomonas aeruginosa</i> clinical isolates from different infection sites. <i>Proteomics</i> , 2016 , 16, 1381-5	4.8	12
44	The protein inventory of <i>Clostridium difficile</i> grown in complex and minimal medium. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 1068-1072	3.1	12
43	Differential View on the Bile Acid Stress Response of. <i>Frontiers in Microbiology</i> , 2019 , 10, 258	5.7	10
42	Time-Resolved Analysis of Cytosolic and Surface-Associated Proteins of <i>Staphylococcus aureus</i> HG001 under Planktonic and Biofilm Conditions. <i>Journal of Proteome Research</i> , 2015 , 14, 3804-22	5.6	10
41	Quorum Sensing and Spoilage Potential of Psychrotrophic Enterobacteriaceae Isolated from Milk. <i>BioMed Research International</i> , 2018 , 2018, 2723157	3	10
40	Proteomic Signatures of Stressed with Metronidazole, Vancomycin, or Fidaxomicin. <i>Cells</i> , 2018 , 7,	7.9	10
39	Biotransformation and reduction of estrogenicity of bisphenol A by the biphenyl-degrading <i>Cupriavidus basilensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3743-3758	5.7	9
38	Proteogenomics Uncovers Critical Elements of Host Response in Bovine Soft Palate Epithelial Cells Following In Vitro Infection with Foot-And-Mouth Disease Virus. <i>Viruses</i> , 2019 , 11,	6.2	9
37	Reducing the genetic code induces massive rearrangement of the proteome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17206-11	11.5	9
36	Detailed Soluble Proteome Analyses of a Dairy-Isolated : A Possible Approach to Assess Food Safety and Potential Probiotic Value. <i>Frontiers in Nutrition</i> , 2019 , 6, 71	6.2	8
35	Characterization of Antimicrobial Effects of Plasma-Treated Water (PTW) Produced by Microwave-Induced Plasma (MidiPLexc) on <i>Pseudomonas fluorescens</i> Biofilms. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3118	2.6	7
34	The hidden lipoproteome of <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2018 , 308, 569-581	3.7	7
33	Sample Preparation for Metaproteome Analyses of Soil and Leaf Litter. <i>Methods in Molecular Biology</i> , 2018 , 1841, 303-318	1.4	7
32	Comparative proteome analysis in an <i>Escherichia coli</i> CyDisCo strain identifies stress responses related to protein production, oxidative stress and accumulation of misfolded protein. <i>Microbial Cell Factories</i> , 2019 , 18, 19	6.4	6
31	Investigation of the chemical composition of plasma-treated water by MidiPLexc and its antimicrobial effect on <i>L. monocytogenes</i> and <i>Pseudomonas fluorescens</i> monospecies suspension cultures. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 305204	3	6
30	An optimized metaproteomics protocol for a holistic taxonomic and functional characterization of microbial communities from marine particles. <i>Environmental Microbiology Reports</i> , 2020 , 12, 367-376	3.7	6
29	Effects of adult temperature on gene expression in a butterfly: identifying pathways associated with thermal acclimation. <i>BMC Evolutionary Biology</i> , 2019 , 19, 32	3	5
28	Impact of Different Trace Elements on the Growth and Proteome of Two Strains of , Class "Acidobacteria". <i>Frontiers in Microbiology</i> , 2020 , 11, 1227	5.7	5

27	Far-reaching cellular consequences of tat deletion in Escherichia coli revealed by comprehensive proteome analyses. <i>Microbiological Research</i> , 2019 , 218, 97-107	5.3	5
26	Model of persistent foot-and-mouth disease virus infection in multilayered cells derived from bovine dorsal soft palate. <i>Transboundary and Emerging Diseases</i> , 2020 , 67, 133-148	4.2	5
25	Non-invasive and label-free 3D-visualization shows in vivo oligomerization of the staphylococcal alkaline shock protein 23 (Asp23). <i>Scientific Reports</i> , 2020 , 10, 125	4.9	4
24	A Point Mutation in the Transcriptional Repressor PerR Results in a Constitutive Oxidative Stress Response in Clostridioides difficile 630MSphere, 2021 , 6,	5	4
23	The Involvement of the McsB Arginine Kinase in Clp-Dependent Degradation of the MgsR Regulator in. <i>Frontiers in Microbiology</i> , 2020 , 11, 900	5.7	3
22	Metabolic Rearrangements Causing Elevated Proline and Polyhydroxybutyrate Accumulation During the Osmotic Adaptation Response of. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 47	5.8	3
21	Can Adapt Its Protein Translocation Machinery for Enhanced Periplasmic Recombinant Protein Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 465	5.8	3
20	A Multi-Omics Protocol for Swine Feces to Elucidate Longitudinal Dynamics in Microbiome Structure and Function. <i>Microorganisms</i> , 2020 , 8,	4.9	3
19	Fibronectin rescues aberrant phenotype of endothelial cells lacking either CCM1, CCM2 or CCM3. <i>FASEB Journal</i> , 2020 , 34, 9018-9033	0.9	3
18	What's a Biofilm?-How the Choice of the Biofilm Model Impacts the Protein Inventory of. <i>Frontiers in Microbiology</i> , 2021 , 12, 682111	5.7	3
17	Carbon Source-Dependent Reprogramming of Anaerobic Metabolism in Staphylococcus aureus. <i>Journal of Bacteriology</i> , 2021 , 203,	3.5	3
16	Responses of sp. WH15 to High Carbon Revealed by Integrated Omics Analyses. <i>Microorganisms</i> , 2020 , 8,	4.9	2
15	MyxopyroninB inhibits growth of a Fidaxomicin-resistant Clostridioidesdifficile isolate and interferes with toxin synthesis.. <i>Gut Pathogens</i> , 2022 , 14, 4	5.4	2
14	Complementation studies with human ClpP in Bacillus subtilis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118744	4.9	1
13	Updating the proteome of the uncultivable hemotrophic Mycoplasma suis in experimentally infected pigs. <i>Proteomics</i> , 2016 , 16, 609-13	4.8	1
12	Flechten-Mikrobiom: eine alte Symbiose neu entdeckt. <i>BioSpektrum</i> , 2016 , 22, 12-15	0.1	1
11	Bioinformatic analysis of fold-type III PLP-dependent enzymes discovers multimeric racemases. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 1499-1507	5.7	1
10	Influenza A H1N1 Induced Disturbance of the Respiratory and Fecal Microbiome of German Landrace Pigs - a Multi-Omics Characterization. <i>Microbiology Spectrum</i> , 2021 , 9, e0018221	8.9	1

9	Moniliella spathulata, an oil-degrading yeast, which promotes growth of barley in oil-polluted soil. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 401-415	5.7	1
8	Identification of AHL- and BDSF-Controlled Proteins in Burkholderia cenocepacia by Proteomics. <i>Methods in Molecular Biology</i> , 2018 , 1673, 193-202	1.4	1
7	Polymer drug release system for biofilm inhibition in medical application. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 213-216	0.5	1
6	An Innovative Protocol for Metaproteomic Analyses of Microbial Pathogens in Cystic Fibrosis Sputum. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 724569	5.9	1
5	Insights in the Degradation of Medium-Chain Length Dicarboxylic Acids in H16 reveal Differences in Oxidation between Dicarboxylic Acids and Fatty Acids. <i>Applied and Environmental Microbiology</i> , 2021 , AEM0187321	4.8	0
4	Plasma-Treated Water Affects Vitality and Biofilm Structure. <i>Frontiers in Microbiology</i> , 2021 , 12, 652481	5.7	0
3	Metagenome-Assembled Genome Sequences from Different Wastewater Treatment Stages in Germany. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0050421	1.3	0
2	Metaproteomics of Litter-Associated Fungi 2020 , 369-383		
1	Protein expression profiling of Staphylococcus aureus in response to the bacteriocin bovicin HC5. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 7857-7869	5.7	