# Monika Maurhofer

List of Publications by Year
in descending order



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|---|---|---|---|
| 53 papers | 3,061 citations | 147801 31 h-index | 175258 52 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 2738 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Negative Effects of Rhizobacteria Association on Plant Recruitment of Generalist Predators. Plants, 2022, 11, 920. | 3.5 | 0 |
| 2 | The secret life of plantâ€beneficial rhizosphere bacteria: insects as alternative hosts. Environmental Microbiology, 2022, 24, 3273-3289. | 3.8 | 19 |
| 3 | Pivotal role of O-antigenic polysaccharide display in the sensitivity against phage tail-like particles in environmental <i>Pseudomonas</i> kin competition. ISME Journal, 2022, 16, 1683-1693. | 9.8 | 16 |
| 4 | Effects of Root-Colonizing Fluorescent Pseudomonas Strains on Arabidopsis Resistance to a Pathogen and an Herbivore. Applied and Environmental Microbiology, 2021, 87, e0283120. | 3.1 | 10 |
| 5 | Phylogenetically closely related pseudomonads isolated from arthropods exhibit differential insectâ€killing abilities and genetic variations in insecticidal factors. Environmental Microbiology, 2021, 23, 5378-5394. | 3.8 | 13 |
| 6 | Transcriptome plasticity underlying plant root colonization and insect invasion by <i>Pseudomonas protegens</i>. ISME Journal, 2020, 14, 2766-2782. | 9.8 | 38 |
| 7 | Draft Genome Sequence of <i>Pseudomonas</i> sp. Strain LD120, Isolated from the Marine Alga <i>Saccharina latissima</i>. Microbiology Resource Announcements, 2020, 9, . | 0.6 | 1 |
| 8 | Pseudomonas protegens CHA0 does not increase phosphorus uptake from 33P labeled synthetic hydroxyapatite by wheat grown on calcareous soil. Soil Biology and Biochemistry, 2019, 131, 217-228. | 8.8 | 16 |
| 9 | T6SS contributes to gut microbiome invasion and killing of an herbivorous pest insect by plant-beneficial <i>Pseudomonas protegens</i>. ISME Journal, 2019, 13, 1318-1329. | 9.8 | 76 |
| 10 | Protecting maize from rootworm damage with the combined application of arbuscular mycorrhizal fungi, Pseudomonas bacteria and entomopathogenic nematodes. Scientific Reports, 2019, 9, 3127. | 3.3 | 33 |
| 11 | Updated Genome Sequence and Annotation for the Full Genome of Pseudomonas protegens CHA0. Microbiology Resource Announcements, 2019, 8, . | 0.6 | 5 |
| 12 | Persistence of root-colonizing <i>Pseudomonas protegens</i> in herbivorous insects throughout different developmental stages and dispersal to new host plants. ISME Journal, 2019, 13, 860-872. | 9.8 | 35 |
| 13 | Root-colonizing bacteria enhance the levels of (E)-Î²-caryophyllene produced by maize roots in response to rootworm feeding. Oecologia, 2018, 187, 459-468. | 2.0 | 23 |
| 14 | Conservation tillage and organic farming induce minor variations in Pseudomonas abundance, their antimicrobial function and soil disease resistance. FEMS Microbiology Ecology, 2018, 94, . | 2.7 | 10 |
| 15 | Relationships between Root Pathogen Resistance, Abundance and Expression of Pseudomonas Antimicrobial Genes, and Soil Properties in Representative Swiss Agricultural Soils. Frontiers in Plant Science, 2017, 8, 427. | 3.6 | 37 |
| 16 | Combined Field Inoculations of Pseudomonas Bacteria, Arbuscular Mycorrhizal Fungi, and Entomopathogenic Nematodes and their Effects on Wheat Performance. Frontiers in Plant Science, 2017, 8, 1809. | 3.6 | 45 |
| 17 | Antimicrobial and Insecticidal: Cyclic Lipopeptides and Hydrogen Cyanide Produced by Plant-Beneficial Pseudomonas Strains CHA0, CMR12a, and PCL1391 Contribute to Insect Killing. Frontiers in Microbiology, 2017, 8, 100. | 3.5 | 84 |
| 18 | Specific surface glycan decorations enable antimicrobial peptide resistance in plantâ€beneficial pseudomonads with insectâ€pathogenic properties. Environmental Microbiology, 2016, 18, 4265-4281. | 3.8 | 19 |

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|---|---|---|---|
| 19 | Insect pathogenicity in plant-beneficial pseudomonads: phylogenetic distribution and comparative genomics. ISME Journal, 2016, 10, 2527-2542. | 9.8 | 127 |
| 20 | Fire Blight Control: The Struggle Goes On. A Comparison of Different Fire Blight Control Methods in Switzerland with Respect to Biosafety, Efficacy and Durability. International Journal of Environmental Research and Public Health, 2015, 12, 11422-11447. | 2.6 | 45 |
| 21 | Evolutionary patchwork of an insecticidal toxin shared between plant-associated pseudomonads and the insect pathogens Photorhabdus and Xenorhabdus. BMC Genomics, 2015, 16, 609. | 2.8 | 46 |
| 22 | Transcriptional Reprogramming of the Mycoparasitic Fungus <i>Ampelomyces quisqualis</i> During the Powdery Mildew Host-Induced Germination. Phytopathology, 2015, 105, 199-209. | 2.2 | 22 |
| 23 | Domain Shuffling in a Sensor Protein Contributed to the Evolution of Insect Pathogenicity in Plant-Beneficial Pseudomonas protegens. PLoS Pathogens, 2014, 10, e1003964. | 4.7 | 41 |
| 24 | Full-Genome Sequence of the Plant Growth-Promoting Bacterium Pseudomonas protegens CHA0. Genome Announcements, 2014, 2, . | 0.8 | 53 |
| 25 | Control and hostâ€dependent activation of insect toxin expression in a rootâ€associated biocontrol pseudomonad. Environmental Microbiology, 2013, 15, 736-750. | 3.8 | 47 |
| 26 | Oral insecticidal activity of plantâ€associated pseudomonads. Environmental Microbiology, 2013, 15, 751-763. | 3.8 | 80 |
| 27 | Comparison of prominent Azospirillum strains in Azospirillumâ€“Pseudomonasâ€“Glomus consortia for promotion of maize growth. Applied Microbiology and Biotechnology, 2013, 97, 4639-4649. | 3.6 | 87 |
| 28 | Promise for plant pest control: root-associated pseudomonads with insecticidal activities. Frontiers in Plant Science, 2013, 4, 287. | 3.6 | 158 |
| 29 | Does Wheat Genetically Modified for Disease Resistance Affect Root-Colonizing Pseudomonads and Arbuscular Mycorrhizal Fungi?. PLoS ONE, 2013, 8, e53825. | 2.5 | 20 |
| 30 | Is the mycoparasitic activity of Ampelomyces quisqualis biocontrol strains related to phylogeny and hydrolytic enzyme production?. Biological Control, 2012, 63, 348-358. | 3.0 | 25 |
| 31 | Variation of secondary metabolite levels in maize seedling roots induced by inoculation with Azospirillum, Pseudomonas and Glomus consortium under field conditions. Plant and Soil, 2012, 356, 151-163. | 3.7 | 118 |
| 32 | Existence of different physiological forms within genetically diverse strains of Ampelomyces quisqualis. Phytoparasitica, 2012, 40, 37-51. | 1.2 | 15 |
| 33 | Novel T-RFLP method to investigate six main groups of 2,4-diacetylphloroglucinol-producing pseudomonads in environmental samples. Journal of Microbiological Methods, 2011, 84, 379-387. | 1.6 | 14 |
| 34 | Pyrroloquinoline Quinone Biosynthesis Gene<i>pqqC</i>, a Novel Molecular Marker for Studying the Phylogeny and Diversity of Phosphate-Solubilizing Pseudomonads. Applied and Environmental Microbiology, 2011, 77, 7345-7354. | 3.1 | 62 |
| 35 | Plant- and Microbe-Derived Compounds Affect the Expression of Genes Encoding Antifungal Compounds in a Pseudomonad with Biocontrol Activity. Applied and Environmental Microbiology, 2011, 77, 2807-2812. | 3.1 | 44 |
| 36 | Combination of Fluorescent Reporters for Simultaneous Monitoring of Root Colonization and Antifungal Gene Expression by a Biocontrol Pseudomonad on Cereals with Flow Cytometry. Molecular Plant-Microbe Interactions, 2010, 23, 949-961. | 2.6 | 61 |

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|---|---|---|---|
| 37 | Quantification of Pseudomonas fluorescens strains F113, CHA0 and Pf153 in the rhizosphere of maize by strain-specific real-time PCR unaffected by the variability of DNA extraction efficiency. Journal of Microbiological Methods, 2010, 81, 108-115. | 1.6 | 54 |
| 38 | Interplay between Wheat Cultivars, Biocontrol Pseudomonads, and Soil. Applied and Environmental Microbiology, 2010, 76, 6196-6204. | 3.1 | 55 |
| 39 | Role of Gluconic Acid Production in the Regulation of Biocontrol Traits of <i>Pseudomonas fluorescens</i> CHA0. Applied and Environmental Microbiology, 2009, 75, 4162-4174. | 3.1 | 178 |
| 40 | Influence of Host Plant Genotype, Presence of a Pathogen, and Coinoculation with Pseudomonas fluorescens Strains on the Rhizosphere Expression of Hydrogen Cyanide- and 2,4-Diacetylphloroglucinol Biosynthetic Genes in P. fluorescens Biocontrol Strain CHA0. Microbial Ecology, 2009, 57, 267-275. | 2.8 | 32 |
| 41 | Functional GacS in <i>Pseudomonas</i> DSS73 prevents digestion by <i>Caenorhabditis elegans</i> and protects the nematode from killer flagellates. ISME Journal, 2009, 3, 770-779. | 9.8 | 22 |
| 42 | Molecular analysis of a novel gene cluster encoding an insect toxin in plantâ€associated strains of <i>Pseudomonas fluorescens</i>. Environmental Microbiology, 2008, 10, 2368-2386. | 3.8 | 145 |
| 43 | Detection of Plant-Modulated Alterations in Antifungal Gene Expression in <i>Pseudomonas fluorescens</i> CHA0 on Roots by Flow Cytometry. Applied and Environmental Microbiology, 2008, 74, 1339-1349. | 3.1 | 51 |
| 44 | ISSR fingerprinting for the assessment of the bindweed biocontrol agent Stagonospora convolvuli LA39 after field release. Letters in Applied Microbiology, 2007, 45, 244-251. | 2.2 | 6 |
| 45 | Elsinochrome A production by the bindweed biocontrol fungus Stagonospora convolvuli LA39 does not pose a risk to the environment or the consumer of treated crops. FEMS Microbiology Ecology, 2007, 59, 194-205. | 2.7 | 20 |
| 46 | Evaluation of different biological test systems to assess the toxicity of metabolites from fungal biocontrol agents. Toxicology Letters, 2006, 161, 43-52. | 0.8 | 28 |
| 47 | Two Novel MvaT-Like Global Regulators Control Exoproduct Formation and Biocontrol Activity in Root-Associated Pseudomonas fluorescens CHA0. Molecular Plant-Microbe Interactions, 2006, 19, 313-329. | 2.6 | 44 |
| 48 | RpoN (Ïƒ54) Controls Production of Antifungal Compounds and Biocontrol Activity in Pseudomonas fluorescens CHA0. Molecular Plant-Microbe Interactions, 2005, 18, 260-272. | 2.6 | 54 |
| 49 | Relationship between aggressiveness of Stagonospora sp. isolates on field and hedge bindweeds, and in vitro production of fungal metabolites cercosporin, elsinochrome A and leptosphaerodione. European Journal of Plant Pathology, 2005, 111, 203-215. | 1.7 | 23 |
| 50 | Cross Talk between 2,4-Diacetylphloroglucinol-Producing Biocontrol Pseudomonads on Wheat Roots. Applied and Environmental Microbiology, 2004, 70, 1990-1998. | 3.1 | 87 |
| 51 | Signaling between bacterial and fungal biocontrol agents in a strain mixture. FEMS Microbiology Ecology, 2004, 48, 447-455. | 2.7 | 81 |
| 52 | Fusaric Acid-Producing Strains of Fusarium oxysporum Alter 2,4-Diacetylphloroglucinol Biosynthetic Gene Expression in Pseudomonas fluorescens CHA0 In Vitro and in the Rhizosphere of Wheat. Applied and Environmental Microbiology, 2002, 68, 2229-2235. | 3.1 | 163 |
| 53 | Autoinduction of 2,4-Diacetylphloroglucinol Biosynthesis in the Biocontrol Agent Pseudomonas fluorescensCHA0 and Repression by the Bacterial Metabolites Salicylate and Pyoluteorin. Journal of Bacteriology, 2000, 182, 1215-1225. | 2.2 | 310 |