# Daniel J Gage

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3931480/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 40 papers | 2,131 citations | 430874 18 h-index | 330143 37 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 2217 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dominance of Ciliophora and Chlorophyta Among Phyllosphere Protists of Solanaceous Plants. Phytobiomes Journal, 2023, 7, 270-280. | 2.7 | 4 |
| 2 | Simultaneous Single-Cell Genome and Transcriptome Sequencing of Termite Hindgut Protists Reveals Metabolic and Evolutionary Traits of Their Endosymbionts. MSphere, 2022, 7, e0002122. | 2.9 | 1 |
| 3 | The risk of water, sanitation and hygiene on diarrhea-related infant mortality in eastern Ethiopia: a population-based nested case-control. BMC Public Health, 2022, 22, 343. | 2.9 | 11 |
| 4 | <scp>18S rRNA</scp> gene amplicon sequencing combined with cultureâ€based surveys of maize rhizosphere protists reveal dominant, plantâ€enriched and culturable community members. Environmental Microbiology Reports, 2022, 14, 110-118. | 2.4 | 8 |
| 5 | Development and application of aerobic, chemically defined media for Dysgonomonas. Anaerobe, 2021, 67, 102302. | 2.1 | 21 |
| 6 | Optogenetics in Sinorhizobium meliloti Enables Spatial Control of Exopolysaccharide Production and Biofilm Structure. ACS Synthetic Biology, 2021, 10, 345-356. | 3.8 | 17 |
| 7 | Draft Genome Sequences of Dysgonomonas sp. Strains GY75 and GY617, Isolated from the Hindgut of Reticulitermes flavipes. Microbiology Resource Announcements, 2021, 10, . | 0.6 | 0 |
| 8 | Draft Genome Sequences of Dysgonomonas sp. Strains BGC7 and HGC4, Isolated from the Hindgut of a Lower Termite. Microbiology Resource Announcements, 2021, 10, . | 0.6 | 4 |
| 9 | Single-cell amplicon sequencing reveals community structures and transmission trends of protist-associatedÂbacteria in aÂtermite host. PLoS ONE, 2020, 15, e0233065. | 2.5 | 8 |
| 10 | Validation of a PNA Clamping Method for Reducing Host DNA Amplification and Increasing Eukaryotic Diversity in Rhizosphere Microbiome Studies. Phytobiomes Journal, 2020, 4, 291-302. | 2.7 | 14 |
| 11 | Bacterial Extracellular Polymeric Substances Amplify Water Content Variability at the Pore Scale. Frontiers in Environmental Science, 2018, 6, . | 3.3 | 30 |
| 12 | Poreâ€scale water dynamics during drying and the impacts of structure and surface wettability. Water Resources Research, 2017, 53, 5585-5600. | 4.2 | 31 |
| 13 | Protist-Facilitated Particle Transport Using Emulated Soil Micromodels. Environmental Science & Technology, 2015, 49, 1384-1391. | 10.0 | 24 |
| 14 | Synergistic effects of soil microstructure and bacterial EPS on drying rate in emulated soil micromodels. Soil Biology and Biochemistry, 2015, 83, 116-124. | 8.8 | 102 |
| 15 | Biochemical Characterization of a Nitrogen-Type Phosphotransferase System Reveals that Enzyme EI <sup>Ntr</sup> Integrates Carbon and Nitrogen Signaling in Sinorhizobium meliloti. Journal of Bacteriology, 2014, 196, 1901-1907. | 2.2 | 35 |
| 16 | NMR Structure of the HWE Kinase Associated Response Regulator Sma0114 in Its Activated State. Biochemistry, 2014, 53, 311-322. | 2.5 | 13 |
| 17 | Variations in moisture retention of contact-printed soil bacteria surface colonies using confocal microscopy. , 2014, , . | | 0 |
| 18 | Better to light a candle than curse the darkness: illuminating spatial localization and temporal dynamics of rapid microbial growth in the rhizosphere. Frontiers in Plant Science, 2013, 4, 323. | 3.6 | 18 |

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|---|---|---|---|
| 19 | Nuclear Magnetic Resonance Structure and Dynamics of the Response Regulator Sma0114 from Sinorhizobium meliloti. Biochemistry, 2012, 51, 6932-6941. | 2.5 | 13 |
| 20 | NMR assignments for the Sinorhizobium meliloti response regulator Sma0114. Biomolecular NMR Assignments, 2011, 5, 55-58. | 0.8 | 4 |
| 21 | Microâ€scale water potential gradients visualized in soil around plant root tips using microbiosensors. Plant, Cell and Environment, 2010, 33, 199-210. | 5.7 | 23 |
| 22 | Characterization of a Two-Component Regulatory System That Regulates Succinate-Mediated Catabolite Repression in Sinorhizobium meliloti. Journal of Bacteriology, 2010, 192, 5725-5735. | 2.2 | 27 |
| 23 | HPrK Regulates Succinate-Mediated Catabolite Repression in the Gram-Negative SymbiontSinorhizobium meliloti. Journal of Bacteriology, 2009, 191, 298-309. | 2.2 | 32 |
| 24 | Plasmids That Insert into the Rhamnose Utilization Locus, <i>rha</i>: A Versatile Tool for Genetic Studies in <i>Sinorhizobium meliloti</i>. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 201-210. | 1.0 | 13 |
| 25 | Live reports from the soil grain â€“ the promise and challenge of microbiosensors. Functional Ecology, 2008, 22, 983-989. | 3.6 | 12 |
| 26 | Sinorhizobium melilotiMutants Lacking Phosphotransferase System Enzyme HPr or EIIA Are Altered in Diverse Processes, Including Carbon Metabolism, Cobalt Requirements, and Succinoglycan Production. Journal of Bacteriology, 2008, 190, 2947-2956. | 2.2 | 42 |
| 27 | Resource Exchange in the Rhizosphere: Molecular Tools and the Microbial Perspective. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 459-488. | 8.3 | 97 |
| 28 | Architecture of Infection Thread Networks in Developing Root Nodules Induced by the Symbiotic Bacterium Sinorhizobium meliloti on Medicago truncatula Â Â. Plant Physiology, 2006, 140, 661-670. | 4.8 | 44 |
| 29 | Infection and Invasion of Roots by Symbiotic, Nitrogen-Fixing Rhizobia during Nodulation of Temperate Legumes. Microbiology and Molecular Biology Reviews, 2004, 68, 280-300. | 6.6 | 709 |
| 30 | Transcriptional control of a rRNA promoter of the nodulating symbiontSinorhizobium meliloti. FEMS Microbiology Letters, 2003, 226, 15-22. | 1.8 | 8 |
| 31 | Analysis of Infection Thread Development Using Gfp- and DsRed-Expressing Sinorhizobium meliloti. Journal of Bacteriology, 2002, 184, 7042-7046. | 2.2 | 188 |
| 32 | Control of Inducer Accumulation Plays a Key Role in Succinate-Mediated Catabolite Repression in Sinorhizobium meliloti. Journal of Bacteriology, 2002, 184, 5385-5392. | 2.2 | 31 |
| 33 | Galactosides in the rhizosphere: Utilization by Sinorhizobium meliloti and development of a biosensor. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4540-4545. | 7.1 | 145 |
| 34 | An AraC-like transcriptional activator is required for induction of genes needed for ÃŽÂ±-galactoside utilization inSinorhizobium meliloti. FEMS Microbiology Letters, 2000, 188, 23-27. | 1.8 | 6 |
| 35 | Hanging by a thread: invasion of legume plants by rhizobia. Current Opinion in Microbiology, 2000, 3, 613-617. | 5.1 | 92 |
| 36 | An AraC-like transcriptional activator is required for induction of genes needed for Î±-galactoside utilization in Sinorhizobium meliloti. FEMS Microbiology Letters, 2000, 188, 23-27. | 1.8 | 3 |

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|---|---|---|---|
| 37 | Î±-Galactoside Uptake in Rhizobium meliloti : Isolation and Characterization of agpA , a Gene Encoding a Periplasmic Binding Protein Required for Melibiose and Raffinose Utilization. Journal of Bacteriology, 1998, 180, 5739-5748. | 2.2 | 42 |
| 38 | Use of green fluorescent protein to visualize the early events of symbiosis between Rhizobium meliloti and alfalfa (Medicago sativa). Journal of Bacteriology, 1996, 178, 7159-7166. | 2.2 | 237 |
| 39 | In vitro developmental toxicity of five direct-acting alkylating agents in rodent embryos: Structure-activity patterns. Teratology, 1989, 40, 199-210. | 1.6 | 18 |
| 40 | Nodule Development in Legumes. Agronomy, 0, , 1-24. | 0.2 | 0 |