

Matthew F Traxler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1643725/publications.pdf>

Version: 2024-02-01

27
papers

5,017
citations

516561

16
h-index

552653

26
g-index

32
all docs

32
docs citations

32
times ranked

7594
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837. | 9.4 | 2,802 |
| 2 | The global, ppGpp-mediated stringent response to amino acid starvation in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2008, 68, 1128-1148. | 1.2 | 478 |
| 3 | Antibiotics as Signal Molecules. <i>Chemical Reviews</i> , 2011, 111, 5492-5505. | 23.0 | 348 |
| 4 | Interspecies Interactions Stimulate Diversification of the <i>Streptomyces coelicolor</i> Secreted Metabolome. <i>MBio</i> , 2013, 4, . | 1.8 | 307 |
| 5 | Natural products in soil microbe interactions and evolution. <i>Natural Product Reports</i> , 2015, 32, 956-970. | 5.2 | 172 |
| 6 | Interspecies modulation of bacterial development through iron competition and siderophore piracy. <i>Molecular Microbiology</i> , 2012, 86, 628-644. | 1.2 | 148 |
| 7 | Discretely calibrated regulatory loops controlled by ppGpp partition gene induction across the feast to famine gradient in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2011, 79, 830-845. | 1.2 | 118 |
| 8 | Guanosine 3',5'-bispyrophosphate coordinates global gene expression during glucose-lactose diauxie in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2374-2379. | 3.3 | 110 |
| 9 | Structure and Biosynthesis of Amychelin, an Unusual Mixed-Ligand Siderophore from <i>Amycolatopsis</i> sp. AA4. <i>Journal of the American Chemical Society</i> , 2011, 133, 11434-11437. | 6.6 | 103 |
| 10 | Role for dithiopyrrolones in disrupting bacterial metal homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2717-2722. | 3.3 | 73 |
| 11 | Molecules to Ecosystems: Actinomycete Natural Products In situ. <i>Frontiers in Microbiology</i> , 2016, 7, 2149. | 1.5 | 71 |
| 12 | Production of Prodiginines Is Part of a Programmed Cell Death Process in <i>Streptomyces coelicolor</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1742. | 1.5 | 47 |
| 13 | Old Meets New: Using Interspecies Interactions to Detect Secondary Metabolite Production in Actinomycetes. <i>Methods in Enzymology</i> , 2012, 517, 89-109. | 0.4 | 41 |
| 14 | Altered desferrioxamine-mediated iron utilization is a common trait of bald mutants of <i>Streptomyces coelicolor</i> . <i>Metallomics</i> , 2014, 6, 1390-1399. | 1.0 | 36 |
| 15 | A massively spectacular view of the chemical lives of microbes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10128-10129. | 3.3 | 28 |
| 16 | Cooperation, Competition, and Specialized Metabolism in a Simplified Root Nodule Microbiome. <i>MBio</i> , 2020, 11, . | 1.8 | 27 |
| 17 | Genetic Network Architecture and Environmental Cues Drive Spatial Organization of Phenotypic Division of Labor in <i>Streptomyces coelicolor</i> . <i>MBio</i> , 2021, 12, . | 1.8 | 20 |
| 18 | Pyrolyzed Substrates Induce Aromatic Compound Metabolism in the Post-fire Fungus, <i>Pyronema domesticum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 729289. | 1.5 | 20 |

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|----|--|-----|-----------|
| 19 | High Spatial Resolution Imaging Mass Spectrometry Reveals Chemical Heterogeneity Across Bacterial Microcolonies. <i>Analytical Chemistry</i> , 2019, 91, 14818-14823. | 3.2 | 18 |
| 20 | Multiple lineages of <i>Streptomyces</i> produce antimicrobials within passalid beetle galleries across eastern North America. <i>ELife</i> , 2021, 10, . | 2.8 | 11 |
| 21 | In Search of Model Ecological Systems for Understanding Specialized Metabolism. <i>MSystems</i> , 2018, 3, . | 1.7 | 10 |
| 22 | Ecological drivers of division of labour in <i>Streptomyces</i> . <i>Current Opinion in Microbiology</i> , 2022, 67, 102148. | 2.3 | 9 |
| 23 | Prodiginines Postpone the Onset of Sporulation in <i>Streptomyces coelicolor</i> . <i>Antibiotics</i> , 2020, 9, 847. | 1.5 | 8 |
| 24 | Harnessing Rare Actinomycete Interactions and Intrinsic Antimicrobial Resistance Enables Discovery of an Unusual Metabolic Inhibitor. <i>MBio</i> , 2022, 13, . | 1.8 | 4 |
| 25 | Inducible Antibacterial Activity in the Bacillales by Triphenyl Tetrazolium Chloride. <i>Scientific Reports</i> , 2020, 10, 5563. | 1.6 | 3 |
| 26 | The <i>cvn8</i> Conservation System Is a Global Regulator of Specialized Metabolism in <i>Streptomyces coelicolor</i> during Interspecies Interactions. <i>MSystems</i> , 2021, 6, e0028121. | 1.7 | 1 |
| 27 | Exploring new horizons. <i>ELife</i> , 2017, 6, . | 2.8 | 0 |