

# Daniel Pfeiffer

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

785  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo Architecture of the Polar Organizing Protein Z (PopZ) Meshwork in the Alphaproteobacteria <i>Magnetospirillum gryphiswaldense</i> and <i>Caulobacter crescentus</i> . <i>Journal of Molecular Biology</i> , 2022, 434, 167423.	4.2	2
2	Migration of Polyphosphate Granules in <i>Agrobacterium tumefaciens</i> . <i>Microbial Physiology</i> , 2022, 32, 71-82.	2.4	3
3	Quantifying the Benefit of a Dedicated "Magnetoskeleton" in Bacterial Magnetotaxis by Live-Cell Motility Tracking and Soft Agar Swimming Assay. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	9
4	Spatiotemporal Organization of Chemotaxis Pathways in <i>Magnetospirillum gryphiswaldense</i> . <i>Applied and Environmental Microbiology</i> , 2020, 87, .	3.1	1
5	A Compass To Boost Navigation: Cell Biology of Bacterial Magnetotaxis. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	23
6	A bacterial cytolinker couples positioning of magnetic organelles to cell shape control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32086-32097.	7.1	16
7	The Polar Organizing Protein PopZ Is Fundamental for Proper Cell Division and Segregation of Cellular Content in <i>Magnetospirillum gryphiswaldense</i> . <i>MBio</i> , 2019, 10, .	4.1	16
8	Inactivation of an intracellular poly-3-hydroxybutyrate depolymerase of <i>Azotobacter vinelandii</i> allows to obtain a polymer of uniform high molecular mass. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2693-2707.	3.6	19
9	High-Throughput Microfluidic Sorting of Live Magnetotactic Bacteria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	12
10	Polyhydroxyalkanoate (PHA) Granules Have no Phospholipids. <i>Scientific Reports</i> , 2016, 6, 26612.	3.3	81
11	Magnetic guidance of the magnetotactic bacterium <i>Magnetospirillum gryphiswaldense</i> . <i>Soft Matter</i> , 2016, 12, 3631-3635.	2.7	9
12	Comparative Proteome Analysis Reveals Four Novel Polyhydroxybutyrate (PHB) Granule-Associated Proteins in <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1847-1858.	3.1	48
13	PhaM Is the Physiological Activator of Poly(3-Hydroxybutyrate) (PHB) Synthase (PhaC1) in <i>Ralstonia eutropha</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 555-563.	3.1	54
14	New insights in the formation of polyhydroxyalkanoate granules (carbonosomes) and novel functions of poly(3-hydroxybutyrate). <i>Environmental Microbiology</i> , 2014, 16, 2357-2373.	3.8	197
15	Development of a Transferable Bimolecular Fluorescence Complementation System for the Investigation of Interactions between Poly(3-Hydroxybutyrate) Granule-Associated Proteins in Gram-Negative Bacteria. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2989-2999.	3.1	9
16	Localization of Poly(3-Hydroxybutyrate) (PHB) Granule-Associated Proteins during PHB Granule Formation and Identification of Two New Phasins, PhaP6 and PhaP7, in <i>Ralstonia eutropha</i> H16. <i>Journal of Bacteriology</i> , 2012, 194, 5909-5921.	2.2	77
17	PHB granules are attached to the nucleoid via PhaM in <i>Ralstonia eutropha</i> . <i>BMC Microbiology</i> , 2012, 12, 262.	3.3	67
18	Identification of a multifunctional protein, PhaM, that determines number, surface to volume ratio, subcellular localization and distribution to daughter cells of poly(3-hydroxybutyrate), PHB, granules in <i>Ralstonia eutropha</i> H16. <i>Molecular Microbiology</i> , 2011, 82, 936-951.	2.5	81

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19	Interaction between poly(3-hydroxybutyrate) granule-associated proteins as revealed by two-hybrid analysis and identification of a new phasin in <i>Ralstonia eutropha</i> H16. <i>Microbiology</i> (United Kingdom), 2011, 157, 2795-2807.	1.8	61