

# Rafael Pernil

## List of Publications by Year in descending order

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16  
papers

671  
citations

623734

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940533

16  
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17  
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17  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Septum-Localized Protein Required for Filament Integrity and Diazotrophy in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2007, 189, 3884-3890.	2.2	96
2	Cyanobacterial metallochaperone inhibits deleterious side reactions of copper. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 95-100.	7.1	91
3	ABC-type amino acid uptake transporters Bgt and Nâ€ of <i>Anabaena</i> sp. strain PCC 7120 share an ATPase subunit and are expressed in vegetative cells and heterocysts. <i>Molecular Microbiology</i> , 2008, 67, 1067-1080.	2.5	58
4	A TolC-Like Protein Is Required for Heterocyst Development in <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2007, 189, 7887-7895.	2.2	51
5	The outer membrane of a heterocyst-forming cyanobacterium is a permeability barrier for uptake of metabolites that are exchanged between cells. <i>Molecular Microbiology</i> , 2009, 74, 58-70.	2.5	51
6	ABC-type neutral amino acid permease N-I is required for optimal diazotrophic growth and is repressed in the heterocysts of <i>Anabaena</i> sp. strain PCC 7120. <i>Molecular Microbiology</i> , 2005, 57, 1582-1592.	2.5	49
7	Cytosolic Ni(II) Sensor in Cyanobacterium. <i>Journal of Biological Chemistry</i> , 2012, 287, 12142-12151.	3.4	48
8	Catabolic Function of Compartmentalized Alanine Dehydrogenase in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2010, 192, 5165-5172.	2.2	41
9	A tight tunable range for Ni(II) sensing and buffering in cells. <i>Nature Chemical Biology</i> , 2017, 13, 409-414.	8.0	37
10	The Peptidoglycan-Binding Protein SjcF1 Influences Septal Junction Function and Channel Formation in the Filamentous Cyanobacterium <i>Anabaena</i> . <i>MBio</i> , 2015, 6, e00376.	4.1	33
11	Metal specificity of cyanobacterial nickel-responsive repressor <i>InrS</i> : cells maintain zinc and copper below the detection threshold for <i>InrS</i> . <i>Molecular Microbiology</i> , 2014, 92, 797-812.	2.5	28
12	Metalloproteins in the Biology of Heterocysts. <i>Life</i> , 2019, 9, 32.	2.4	23
13	Amino Acid Transporters and Release of Hydrophobic Amino Acids in the Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Life</i> , 2015, 5, 1282-1300.	2.4	20
14	A TRAP Transporter for Pyruvate and Other Monocarboxylate 2-Oxoacids in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2010, 192, 6089-6092.	2.2	15
15	Multiplicity and specificity of siderophore uptake in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Plant Molecular Biology</i> , 2016, 92, 57-69.	3.9	15
16	Co(ii)-detection does not follow Kco(ii) gradient: channelling in Co(ii)-sensing. <i>Metallomics</i> , 2013, 5, 352.	2.4	13