

# Ramakrishnan Karunakaran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5482576/publications.pdf>

Version: 2024-02-01

20  
papers

1,028  
citations

777949

13  
h-index

843174

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditional sanctioning in a legume– <i>Rhizobium</i> mutualism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
2	Regulation and Characterization of Mutants of <i>fixABCX</i> in <i>Rhizobium leguminosarum</i> . Molecular Plant-Microbe Interactions, 2021, 34, 1167-1180.	1.4	14
3	CTP regulates membrane-binding activity of the nucleoid occlusion protein Noc. Molecular Cell, 2021, 81, 3623-3636.e6.	4.5	22
4	Global control of bacterial nitrogen and carbon metabolism by a PTS <sup>Ntr</sup> -regulated switch. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10234-10245.	3.3	19
5	Bacterial Biosensors for in Vivo Spatiotemporal Mapping of Root Secretion. Plant Physiology, 2017, 174, 1289-1306.	2.3	78
6	Glutathione affects the transport activity of <i>Rhizobium leguminosarum</i> 3841 and is essential for efficient nodulation. FEMS Microbiology Letters, 2017, 364, .	0.7	29
7	Lipogenesis and Redox Balance in Nitrogen-Fixing Pea Bacteroids. Journal of Bacteriology, 2016, 198, 2864-2875.	1.0	43
8	Multiplicity of Sulfate and Molybdate Transporters and Their Role in Nitrogen Fixation in <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> Rlv3841. Molecular Plant-Microbe Interactions, 2016, 29, 143-152.	1.4	19
9	MgtE From <i>Rhizobium leguminosarum</i> Is a Mg <sup>2+</sup> Channel Essential for Growth at Low pH and N <sub>2</sub> Fixation on Specific Plants. Molecular Plant-Microbe Interactions, 2015, 28, 1281-1287.	1.4	12
10	Arabinose and protocatechuate catabolism genes are important for growth of <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> in the pea rhizosphere. Plant and Soil, 2015, 390, 251-264.	1.8	20
11	Characterisation of SalRAB a Salicylic Acid Inducible Positively Regulated Efflux System of <i>Rhizobium leguminosarum</i> bv <i>viciae</i> 3841. PLoS ONE, 2014, 9, e103647.	1.1	11
12	Mutation of <i>praR</i> in <i>Rhizobium leguminosarum</i> enhances root biofilms, improving nodulation competitiveness by increased expression of attachment proteins. Molecular Microbiology, 2014, 93, 464-478.	1.2	49
13	Comparative metatranscriptomics reveals kingdom level changes in the rhizosphere microbiome of plants. ISME Journal, 2013, 7, 2248-2258.	4.4	468
14	Malonate Catabolism Does Not Drive N <sub>2</sub> Fixation in Legume Nodules. Applied and Environmental Microbiology, 2013, 79, 4496-4498.	1.4	11
15	ABC Transport Is Inactivated by the PTS <sup>Ntr</sup> under Potassium Limitation in <i>Rhizobium leguminosarum</i> 3841. PLoS ONE, 2013, 8, e64682.	1.1	15
16	Regulatable Vectors for Environmental Gene Expression in Alphaproteobacteria. Applied and Environmental Microbiology, 2012, 78, 7137-7140.	1.4	30
17	BacA Is Essential for Bacteroid Development in Nodules of Galegoid, but not Phaseoloid, Legumes. Journal of Bacteriology, 2010, 192, 2920-2928.	1.0	67
18	Pathway of <sup>13</sup> C-Aminobutyrate Metabolism in <i>Rhizobium leguminosarum</i> 3841 and Its Role in Symbiosis. Journal of Bacteriology, 2009, 191, 2177-2186.	1.0	57

#	ARTICLE	IF	CITATIONS
19	Characterization of the quaternary amine transporters of <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> 3841. <i>FEMS Microbiology Letters</i> , 2008, 287, 212-220.	0.7	11
20	In vivo restriction endonuclease activity of the <i>Anabaena</i> PCC 7120 XisA protein in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2007, 158, 679-684.	1.0	4