

# Jayashree Ray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11032989/publications.pdf>

Version: 2024-02-01

13  
papers

969  
citations

840776

11  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutant phenotypes for thousands of bacterial genes of unknown function. <i>Nature</i> , 2018, 557, 503-509.	27.8	433
2	A metabolic pathway for catabolizing levulinic acid in bacteria. <i>Nature Microbiology</i> , 2017, 2, 1624-1634.	13.3	86
3	Functional genetics of human gut commensal <i>Bacteroides thetaiotaomicron</i> reveals metabolic requirements for growth across environments. <i>Cell Reports</i> , 2021, 34, 108789.	6.4	82
4	The genetic basis of energy conservation in the sulfate-reducing bacterium <i>Desulfovibrio alaskensis</i> G20. <i>Frontiers in Microbiology</i> , 2014, 5, 577.	3.5	61
5	Functional Genomics with a Comprehensive Library of Transposon Mutants for the Sulfate-Reducing Bacterium <i>Desulfovibrio alaskensis</i> G20. <i>MBio</i> , 2014, 5, e01041-14.	4.1	56
6	Molybdenum Availability Is Key to Nitrate Removal in Contaminated Groundwater Environments. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4976-4983.	3.1	49
7	The energy-conserving electron transfer system used by <i>Desulfovibrio alaskensis</i> strain G20 during pyruvate fermentation involves reduction of endogenously formed fumarate and cytoplasmic and membrane-bound complexes, HdrFlox and Rnf. <i>Environmental Microbiology</i> , 2014, 16, 3463-3486.	3.8	36
8	Oxidative Pathways of Deoxyribose and Deoxyribonate Catabolism. <i>MSystems</i> , 2019, 4, .	3.8	34
9	Magic Pools: Parallel Assessment of Transposon Delivery Vectors in Bacteria. <i>MSystems</i> , 2018, 3, .	3.8	31
10	Complete Genome Sequence of <i>Cupriavidus basilensis</i> 4G11, Isolated from the Oak Ridge Field Research Center Site. <i>Genome Announcements</i> , 2015, 3, .	0.8	23
11	Exometabolomics Assisted Design and Validation of Synthetic Obligate Mutualism. <i>ACS Synthetic Biology</i> , 2016, 5, 569-576.	3.8	23
12	Genome-wide identification of fitness determinants in the <i>Xanthomonas campestris</i> bacterial pathogen during early stages of plant infection. <i>New Phytologist</i> , 2022, 236, 235-248.	7.3	8
13	Deletion Mutants, Archived Transposon Library, and Tagged Protein Constructs of the Model Sulfate-Reducing Bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	6