

Macarena Toll-Riera

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,053
citations

516710

16
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	A limit on the evolutionary rescue of an Antarctic bacterium from rising temperatures. <i>Science Advances</i> , 2022, 8, .	10.3	4
2	Staphylococcal phages and pathogenicity islands drive plasmid evolution. <i>Nature Communications</i> , 2021, 12, 5845.	12.8	26
3	Genetic dominance governs the evolution and spread of mobile genetic elements in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15755-15762.	7.1	41
4	New insights on <i>Pseudoalteromonas haloplanktis</i> TAC125 genome organization and benchmarks of genome assembly applications using next and third generation sequencing technologies. <i>Scientific Reports</i> , 2019, 9, 16444.	3.3	14
5	Integrative analysis of fitness and metabolic effects of plasmids in <i>Pseudomonas aeruginosa</i> PAO1. <i>ISME Journal</i> , 2018, 12, 3014-3024.	9.8	80
6	Mistranslation can enhance fitness through purging of deleterious mutations. <i>Nature Communications</i> , 2017, 8, 15410.	12.8	28
7	The Genomic Basis of Evolutionary Innovation in <i>Pseudomonas aeruginosa</i> . <i>PLoS Genetics</i> , 2016, 12, e1006005.	3.5	35
8	Epistatic interactions between ancestral genotype and beneficial mutations shape evolvability in <i>Pseudomonas aeruginosa</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1659-1666.	2.3	18
9	The genomic basis of adaptation to the fitness cost of rifampicin resistance in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152452.	2.6	25
10	Sequencing of plasmids pAMBL1 and pAMBL2 from <i>Pseudomonas aeruginosa</i> reveals a <i>VIM-1</i> amplification causing high-level carbapenem resistance. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 3000-3003.	3.0	35
11	Interactions between horizontally acquired genes create a fitness cost in <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2015, 6, 6845.	12.8	147
12	Hereâ€™s to the Losers: Evolvable Residents Accelerate the Evolution of High-Fitness Invaders. <i>American Naturalist</i> , 2015, 186, 41-49.	2.1	2
13	Fitness Is Strongly Influenced by Rare Mutations of Large Effect in a Microbial Mutation Accumulation Experiment. <i>Genetics</i> , 2014, 197, 981-990.	2.9	59
14	Emergence of novel domains in proteins. <i>BMC Evolutionary Biology</i> , 2013, 13, 47.	3.2	36
15	Structure and Age Jointly Influence Rates of Protein Evolution. <i>PLoS Computational Biology</i> , 2012, 8, e1002542.	3.2	18
16	Sequence shortening in the rodent ancestor. <i>Genome Research</i> , 2012, 22, 478-485.	5.5	19
17	Role of Low-Complexity Sequences in the Formation of Novel Protein Coding Sequences. <i>Molecular Biology and Evolution</i> , 2012, 29, 883-886.	8.9	93
18	Partial Gene Duplication and the Formation of Novel Genes. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
19	Lineage-Specific Variation in Intensity of Natural Selection in Mammals. <i>Molecular Biology and Evolution</i> , 2011, 28, 383-398.	8.9	38
20	Natural selection drives the accumulation of amino acid tandem repeats in human proteins. <i>Genome Research</i> , 2010, 20, 745-754.	5.5	88
21	Evolution of primate orphan proteins. <i>Biochemical Society Transactions</i> , 2009, 37, 778-782.	3.4	31
22	Origin of Primate Orphan Genes: A Comparative Genomics Approach. <i>Molecular Biology and Evolution</i> , 2008, 26, 603-612.	8.9	201
23	Accelerated Evolution of Genes of Recent Origin. , 2008, , 45-59.		4