Agustino MartÃ-nez-Antonio

List of Publications by Year
in descending order

42 papers	2,265 citations	516710 16 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2548 citing authors

#	Article	IF	Citations
1	Review: Isoprenoid and aromatic cytokinins in shoot branching. Plant Science, 2022, 319, 111240.	3.6	4
2	Limited oxygen conditions as an approach to scale-up and improve d and l-lactic acid production in mineral media and avocado seed hydrolysates with metabolically engineered Escherichia coli. Bioprocess and Biosystems Engineering, 2021, 44, 379-389.	3.4	7
3	RNA polymerases in strict endosymbiont bacteria with extreme genome reduction show distinct erosions that might result in limited and differential promoter recognition. PLoS ONE, 2021, 16, e0239350.	2.5	3
4	Pas de Trois: An Overview of Penta-, Tetra-, and Octo-Tricopeptide Repeat Proteins From Chlamydomonas reinhardtii and Their Role in Chloroplast Gene Expression. Frontiers in Plant Science, 2021, 12, 775366.	3.6	7
5	RegulomePA: a database of transcriptional regulatory interactions in <i>Pseudomonas aeruginosa</i> PAO1. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	3.0	9
6	Quantitative modeling of the interplay between synthetic gene circuits and host physiology: experiments, results, and prospects. Current Opinion in Microbiology, 2020, 55, 48-56.	5.1	9
7	E. coli cultures expressing a synthetic sequence of ptz gene (stz) promoted in vitro direct organogenesis in Nicotiana tabacum L.. Plant Cell, Tissue and Organ Culture, 2019, 137, 87-100.	2.3	2
8	Production of d-Lactate from Avocado Seed Hydrolysates by Metabolically Engineered Escherichia coli JU15. Fermentation, 2019, 5, 26.	3.0	9
9	Novel arsenic biosensor â€œPOLAâ€•obtained by a genetically modified E. coli bioreporter cell. Sensors and Actuators B: Chemical, 2018, 254, 1061-1068.	7.8	22
10	SYNTHESIS OF GOLD NANOPARTICLES BY TETRACHLOROAURATE REDUCTION WITH CYCLODEXTRINS. Quimica Nova, 2018, , .	0.3	2
11	Consensus architecture of promoters and transcription units in Escherichia coli: design principles for synthetic biology. Molecular BioSystems, 2017, 13, 665-676.	2.9	9
12	Modeling Asymmetric Cell Division in Caulobacter crescentus Using a Boolean Logic Approach. Results and Problems in Cell Differentiation, 2017, 61, 1-21.	0.7	6
13	The Use of Nanoparticles and Nanoformulations in Agriculture. Journal of Nanoscience and Nanotechnology, 2017, 17, 8699-8730.	0.9	95
14	Some physicochemical and rheological properties of starch isolated from avocado seeds. International Journal of Biological Macromolecules, 2016, 86, 302-308.	7.5	92
15	Transcription Factors Exhibit Differential Conservation in Bacteria with Reduced Genomes. PLoS ONE, 2016, 11, e0146901.	2.5	19
16	Dynamical Modeling of the Cell Cycle and Cell Fate Emergence in Caulobacter crescentus. PLoS ONE, 2014, 9, e111116.	2.5	14
17	Engineering Escherichia coli K12 MG1655 to use starch. Microbial Cell Factories, 2014, 13, 74.	4.0	12
18	Structural comparison of biological networks based on dominant vertices. Molecular BioSystems, 2013, 9, 1765.	2.9	2

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19	Hierarchical dynamics of a transcription factors network in E. coli. Molecular BioSystems, 2012, 8, 2932.	2.9	2
20	Regulatory Design Governing Progression of Population Growth Phases in Bacteria. PLoS ONE, 2012, 7, e30654.	2.5	16
21	The Regulatory Network of Pseudomonas aeruginosa. Microbial Informatics and Experimentation, 2011, 1, 3.	7.6	72
22	Regulatory dynamics of standard two-component systems in bacteria. Journal of Theoretical Biology, 2010, 264, 560-569.	1.7	8
23	Transcriptional regulation shapes the organization of genes on bacterial chromosomes. Nucleic Acids Research, 2009, 37, 3680-3688.	14.5	57
24	Transcriptional profile of Pseudomonas syringae pv. phaseolicola NPS3121 in response to tissue extracts from a susceptible Phaseolus vulgarisL. cultivar. BMC Microbiology, 2009, 9, 257.	3.3	28
25	Regulation by transcription factors in bacteria: beyond description. FEMS Microbiology Reviews, 2009, 33, 133-151.	8.6	185
26	Scaling relationship in the gene content of transcriptional machinery in bacteria. Molecular BioSystems, 2009, 5, 1494.	2.9	36
27	Structural and functional map of a bacterial nucleoid. Genome Biology, 2009, 10, 247.	9.6	13
28	Functional organisation of Escherichia coli transcriptional regulatory network. Journal of Molecular Biology, 2008, 381, 238-247.	4.2	143
29	COMPARATIVE MECHANISMS FOR TRANSCRIPTION AND REGULATORY SIGNALS IN ARCHAEA AND BACTERIA. Series on Advances in Bioinformatics and Computational Biology, 2008, , 185-208.	0.2	1
30	Coordination logic of the sensing machinery in the transcriptional regulatory network of Escherichia coli. Nucleic Acids Research, 2007, 35, 6963-6972.	14.5	21
31	Internal Versus External Effector and Transcription Factor Gene Pairs Differ in Their Relative Chromosomal Position in Escherichia coli. Journal of Molecular Biology, 2007, 368, 263-272.	4.2	15
32	Conservation of transcriptional sensing systems in prokaryotes: A perspective from <i>Escherichia coli</i>. FEBS Letters, 2007, 581, 3499-3506.	2.8	6
33	Internal-sensing machinery directs the activity of the regulatory network in Escherichia coli. Trends in Microbiology, 2006, 14, 22-27.	7.7	78
34	The comprehensive updated regulatory network of Escherichia coli K-12. BMC Bioinformatics, 2006, 7, 5.	2.6	63
35	RegulonDB (version 5.0): Escherichia coli K-12 transcriptional regulatory network, operon organization, and growth conditions. Nucleic Acids Research, 2006, 34, D394-D397.	14.5	325
36	Modular analysis of the transcriptional regulatory network of E. coli. Trends in Genetics, 2005, 21, 16-20.	6.7	99

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37	RegulonDB (version 4.0): transcriptional regulation, operon organization and growth conditions in Escherichia coli K-12. Nucleic Acids Research, 2004, 32, 303D-306.	14.5	231
38	Environmental conditions and transcriptional regulation in <i>Escherichia coli</i>: a physiological integrative approach. Biotechnology and Bioengineering, 2003, 84, 743-749.	3.3	15
39	Identifying global regulators in transcriptional regulatory networks in bacteria. Current Opinion in Microbiology, 2003, 6, 482-489.	5.1	511
40	Characterization of the lipA gene encoding the major lipase from Pseudomonas aeruginosa strain IGB83. Applied Microbiology and Biotechnology, 2001, 56, 731-735.	3.6	15
41	Mechanisms and Controls of DNA Replication in Bacteria. , 0, , .		1
42	Proposal for a Minimal DNA Auto-Replicative System. , 0, , .		0