Daniel Segura

List of Publications by Year
in descending order

19	807	567281 15	794594 19
papers	citations	h-index	g-index

21	21	21	696
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome Sequence ofAzotobacter vinelandii, an Obligate Aerobe Specialized To Support Diverse Anaerobic Metabolic Processes. Journal of Bacteriology, 2009, 191, 4534-4545.	2.2	265
2	Expression of the Azotobacter vinelandii Poly-Î²-Hydroxybutyrate Biosynthetic phbBAC Operon Is Driven by Two Overlapping Promoters and Is Dependent on the Transcriptional Activator PhbR. Journal of Bacteriology, 2002, 184, 5672-5677.	2.2	69
3	Thermo-mechanical properties, microstructure and biocompatibility in poly-Î²-hydroxybutyrates (PHB) produced by OP and OPN strains of Azotobacter vinelandii. European Polymer Journal, 2015, 63, 101-112.	5.4	62
4	Enzyme I^{Ntr}, NPr and IIA^{Ntr} Are Involved in Regulation of the Poly-Î²-Hydroxybutyrate Biosynthetic Genes in<i> Azotobacter vinelandii</i>. Journal of Molecular Microbiology and Biotechnology, 2008, 15, 244-254.	1.0	58
5	Encystment and alkylresorcinol production by Azotobacter vinelandii strains impaired in poly-Î²-hydroxybutyrate synthesis. Archives of Microbiology, 2003, 179, 437-443.	2.2	49
6	Post-Transcriptional Regulation of the Alginate Biosynthetic Gene algD by the Gac/Rsm System in Azotobacter vinelandii. Journal of Molecular Microbiology and Biotechnology, 2011, 21, 147-159.	1.0	40
7	Biosynthesis of poly-Î²-hydroxybutyrate (PHB) with a high molecular mass by a mutant strain of Azotobacter vinelandii (OPN). Annals of Microbiology, 2014, 64, 39-47.	2.6	33
8	Isolation and Characterization of Azotobacter vinelandii Mutants Impaired in Alkylresorcinol Synthesis: Alkylresorcinols Are Not Essential for Cyst Desiccation Resistance. Journal of Bacteriology, 2009, 191, 3142-3148.	2.2	29
9	Acinetobacter baylyi ADP1 growth performance and lipid accumulation on different carbon sources. Applied Microbiology and Biotechnology, 2019, 103, 6217-6229.	3.6	26
10	Sigma Factor RpoS Controls Alkylresorcinol Synthesis through ArpR, a LysR-Type Regulatory Protein, during Encystment of Azotobacter vinelandii. Journal of Bacteriology, 2013, 195, 1834-1844.	2.2	25
11	Roles of RpoS and PsrA in cyst formation and alkylresorcinol synthesis in Azotobacter vinelandii. Microbiology (United Kingdom), 2011, 157, 1685-1693.	1.8	22
12	Molecular mass of poly-3-hydroxybutyrate (P3HB) produced by Azotobacter vinelandii is determined by the ratio of synthesis and degradation under fixed dissolved oxygen tension. Process Biochemistry, 2016, 51, 950-958.	3.7	22
13	The Unphosphorylated EIIANtr Protein Represses the Synthesis of Alkylresorcinols in Azotobacter vinelandii. PLoS ONE, 2015, 10, e0117184.	2.5	21
14	Inactivation of an intracellular poly-3-hydroxybutyrate depolymerase of Azotobacter vinelandii allows to obtain a polymer of uniform high molecular mass. Applied Microbiology and Biotechnology, 2018, 102, 2693-2707.	3.6	19
15	The Modification of Regulatory Circuits Involved in the Control of Polyhydroxyalkanoates Metabolism to Improve Their Production. Frontiers in Bioengineering and Biotechnology, 2020, 8, 386.	4.1	18
16	The GacS/A-RsmA Signal Transduction Pathway Controls the Synthesis of Alkylresorcinol Lipids that Replace Membrane Phospholipids during Encystment of Azotobacter vinelandii SW136. PLoS ONE, 2016, 11, e0153266.	2.5	17
17	Proteomic analysis revealed proteins induced upon Azotobacter vinelandii encystment. Journal of Proteomics, 2018, 181, 47-59.	2.4	8
18	Production of Poly-3-Hydroxybutyrate (P3HB) with Ultra-High Molecular Weight (UHMW) by Mutant Strains of Azotobacter vinelandii Under Microaerophilic Conditions. Applied Biochemistry and Biotechnology, 2021, 193, 79-95.	2.9	8

#	Article	IF	Citations
19	PsrA positively regulates the unsaturated fatty acid synthesis operon fabAB in Azotobacter vinelandii. Microbiological Research, 2021, 249, 126775.	5.3	2