

Daniel Segura

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Production of Poly-3-Hydroxybutyrate (P3HB) with Ultra-High Molecular Weight (UHMW) by Mutant Strains of <i>Azotobacter vinelandii</i> Under Microaerophilic Conditions. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 79-95.	2.9	8
2	PsrA positively regulates the unsaturated fatty acid synthesis operon <i>fabAB</i> in <i>Azotobacter vinelandii</i> . <i>Microbiological Research</i> , 2021, 249, 126775.	5.3	2
3	The Modification of Regulatory Circuits Involved in the Control of Polyhydroxyalkanoates Metabolism to Improve Their Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 386.	4.1	18
4	<i>Acinetobacter baylyi</i> ADP1 growth performance and lipid accumulation on different carbon sources. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6217-6229.	3.6	26
5	Inactivation of an intracellular poly-3-hydroxybutyrate depolymerase of <i>Azotobacter vinelandii</i> allows to obtain a polymer of uniform high molecular mass. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2693-2707.	3.6	19
6	Proteomic analysis revealed proteins induced upon <i>Azotobacter vinelandii</i> encystment. <i>Journal of Proteomics</i> , 2018, 181, 47-59.	2.4	8
7	The GacS/A-RsmA Signal Transduction Pathway Controls the Synthesis of Alkylresorcinol Lipids that Replace Membrane Phospholipids during Encystment of <i>Azotobacter vinelandii</i> SW136. <i>PLoS ONE</i> , 2016, 11, e0153266.	2.5	17
8	Molecular mass of poly-3-hydroxybutyrate (P3HB) produced by <i>Azotobacter vinelandii</i> is determined by the ratio of synthesis and degradation under fixed dissolved oxygen tension. <i>Process Biochemistry</i> , 2016, 51, 950-958.	3.7	22
9	Thermo-mechanical properties, microstructure and biocompatibility in poly- $\hat{1}^2$ -hydroxybutyrates (PHB) produced by OP and OPN strains of <i>Azotobacter vinelandii</i> . <i>European Polymer Journal</i> , 2015, 63, 101-112.	5.4	62
10	The Unphosphorylated EIIANtr Protein Represses the Synthesis of Alkylresorcinols in <i>Azotobacter vinelandii</i> . <i>PLoS ONE</i> , 2015, 10, e0117184.	2.5	21
11	Biosynthesis of poly- $\hat{1}^2$ -hydroxybutyrate (PHB) with a high molecular mass by a mutant strain of <i>Azotobacter vinelandii</i> (OPN). <i>Annals of Microbiology</i> , 2014, 64, 39-47.	2.6	33
12	Sigma Factor RpoS Controls Alkylresorcinol Synthesis through ArpR, a LysR-Type Regulatory Protein, during Encystment of <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2013, 195, 1834-1844.	2.2	25
13	Post-Transcriptional Regulation of the Alginate Biosynthetic Gene <i>algD</i> by the Gac/Rsm System in <i>Azotobacter vinelandii</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2011, 21, 147-159.	1.0	40
14	Roles of RpoS and PsrA in cyst formation and alkylresorcinol synthesis in <i>Azotobacter vinelandii</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1685-1693.	1.8	22
15	Isolation and Characterization of <i>Azotobacter vinelandii</i> Mutants Impaired in Alkylresorcinol Synthesis: Alkylresorcinols Are Not Essential for Cyst Desiccation Resistance. <i>Journal of Bacteriology</i> , 2009, 191, 3142-3148.	2.2	29
16	Genome Sequence of <i>Azotobacter vinelandii</i> , an Obligate Aerobe Specialized To Support Diverse Anaerobic Metabolic Processes. <i>Journal of Bacteriology</i> , 2009, 191, 4534-4545.	2.2	265
17	Enzyme $\hat{1}$ Ntr, NPr and IIA Ntr Are Involved in Regulation of the Poly- $\hat{1}^2$ -Hydroxybutyrate Biosynthetic Genes in <i>Azotobacter vinelandii</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 15, 244-254.	1.0	58
18	Encystment and alkylresorcinol production by <i>Azotobacter vinelandii</i> strains impaired in poly- $\hat{1}^2$ -hydroxybutyrate synthesis. <i>Archives of Microbiology</i> , 2003, 179, 437-443.	2.2	49

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19	Expression of the <i>Azotobacter vinelandii</i> Poly- $\hat{1}^2$ -Hydroxybutyrate Biosynthetic <i>phbBAC</i> Operon Is Driven by Two Overlapping Promoters and Is Dependent on the Transcriptional Activator PhbR. <i>Journal of Bacteriology</i> , 2002, 184, 5672-5677.	2.2	69