

Alberto JimÃ©nez

List of Publications by Year in descending order

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43
papers

9,279
citations

304368

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276539

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times ranked

20965
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of mechanisms to control bacterial <sc>GTP</sc> homeostasis by the mutually exclusive binding of adenine and guanine nucleotides to <sc>IMP</sc> dehydrogenase. Protein Science, 2022, 31, e4314.	3.1	9
2	Metabolic engineering of <i>Ashbya gossypii</i> for limonene production from xylose. , 2022, 15, .		3
3	New Promoters for Metabolic Engineering of <i>Ashbya gossypii</i> . Journal of Fungi (Basel, Switzerland), 2021, 7, 906.	1.5	4
4	Sugar transport for enhanced xylose utilization in <i>Ashbya gossypii</i>. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 1173-1179.	1.4	4
5	Multiplex genome editing in <i>Ashbya gossypii</i> using CRISPR-Cpf1. New Biotechnology, 2020, 57, 29-33.	2.4	19
6	Genomic Edition of <i>Ashbya gossypii</i> Using One-vector CRISPR/Cas9. Bio-protocol, 2020, 10, e3660.	0.2	2
7	Microbial lipids from industrial wastes using xylose-utilizing <i>Ashbya gossypii</i> strains. Bioresource Technology, 2019, 293, 122054.	4.8	20
8	Oneâ€vector CRISPR/Cas9 genome engineering of the industrial fungus <i>Ashbya gossypii</i>. Microbial Biotechnology, 2019, 12, 1293-1301.	2.0	20
9	Metabolic engineering of <i>Ashbya gossypii</i> for deciphering the de novo biosynthesis of Î³-lactones. Microbial Cell Factories, 2019, 18, 62.	1.9	17
10	Pathway Grafting for Polyunsaturated Fatty Acids Production in <i>Ashbya gossypii</i> through Golden Gate Rapid Assembly. ACS Synthetic Biology, 2018, 7, 2340-2347.	1.9	18
11	Formation of folates by microorganisms: towards the biotechnological production of this vitamin. Applied Microbiology and Biotechnology, 2018, 102, 8613-8620.	1.7	44
12	Utilization of xylose by engineered strains of <i>Ashbya gossypii</i> for the production of microbial oils. Biotechnology for Biofuels, 2017, 10, 3.	6.2	22
13	Engineering <i>A</i>shbya gossypii strains for <i>de novo</i> lipid production using industrial byâ€products. Microbial Biotechnology, 2017, 10, 425-433.	2.0	15
14	Bioproduction of riboflavin: a bright yellow history. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 659-665.	1.4	90
15	Mitochondria and lipid raft-located FOF1-ATP synthase as major therapeutic targets in the antileishmanial and anticancer activities of ether lipid edelfosine. PLoS Neglected Tropical Diseases, 2017, 11, e0005805.	1.3	44
16	Folic Acid Production by Engineered <i>Ashbya gossypii</i> . Metabolic Engineering, 2016, 38, 473-482.	3.6	35
17	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
18	Metabolic engineering of riboflavin production in <i>Ashbya gossypii</i> through pathway optimization. Microbial Cell Factories, 2015, 14, 163.	1.9	42

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19	Engineering <i>Ashbya gossypii</i> for efficient biolipid production. <i>Bioengineered</i> , 2015, 6, 119-123.	1.4	22
20	Tuning single-cell oil production in <i>Ashbya gossypii</i> by engineering the elongation and desaturation systems. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1782-1791.	1.7	21
21	Strain Design of <i>Ashbya gossypii</i> for Single-Cell Oil Production. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1237-1244.	1.4	29
22	Biotechnological production of feed nucleotides by microbial strain improvement. <i>Process Biochemistry</i> , 2013, 48, 1263-1270.	1.8	31
23	Microbial production of vitamins. , 2013, , 571-594.		16
24	The Protein Factor-arrest 11 (Far11) Is Essential for the Toxicity of Human Caspase-10 in Yeast and Participates in the Regulation of Autophagy and the DNA Damage Signaling. <i>Journal of Biological Chemistry</i> , 2012, 287, 29636-29647.	1.6	13
25	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
26	The biological activity of the wine anthocyanins delphinidin and petunidin is mediated through Msn2 and Msn4 in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2010, 10, 858-869.	1.1	11
27	Human initiator caspases trigger apoptotic and autophagic phenotypes in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 561-571.	1.9	15
28	Phosphoribosyl pyrophosphate synthetase activity affects growth and riboflavin production in <i>Ashbya gossypii</i> . <i>BMC Biotechnology</i> , 2008, 8, 67.	1.7	72
29	Induction of Cell Membrane Protrusions by the N-terminal Glutaredoxin Domain of a Rare Splice Variant of Human Thioredoxin Reductase 1. <i>Journal of Biological Chemistry</i> , 2008, 283, 2814-2821.	1.6	38
30	Thetx1+gene from <i>Schizosaccharomyces pombe</i> encodes a new thioredoxin-like 1 protein that participates in the antioxidant defence against tert-butyl hydroperoxide. <i>Yeast</i> , 2007, 24, 481-490.	0.8	16
31	Characterization of human thioredoxin-like-1: Potential involvement in the cellular response against glucose deprivation. <i>FEBS Letters</i> , 2006, 580, 960-967.	1.3	44
32	Involvement of glutaredoxin-1 and thioredoxin-1 in β -amyloid toxicity and Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2006, 13, 1454-1465.	5.0	159
33	Purine Biosynthesis, Riboflavin Production, and Trophic-Phase Span Are Controlled by a Myb-Related Transcription Factor in the Fungus <i>Ashbya gossypii</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 5052-5060.	1.4	60
34	Absolute mRNA levels and transcriptional regulation of the mouse testis-specific thioredoxins. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 65-74.	1.0	12
35	Metabolic Engineering of the Purine Pathway for Riboflavin Production in <i>Ashbya gossypii</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5743-5751.	1.4	106
36	Spermatocyte/Spermatid-specific Thioredoxin-3, a Novel Golgi Apparatus-associated Thioredoxin, Is a Specific Marker of Aberrant Spermatogenesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 34971-34982.	1.6	63

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37	The Mammalian Testis-Specific Thioredoxin System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 25-40.	2.5	81
38	Purification and characterization of \hat{I}^{3} Trx-1, a splicing variant of human thioredoxin-1 lacking exon 3. <i>Protein Expression and Purification</i> , 2003, 27, 319-324.	0.6	4
39	Cloning and Developmental Analysis of Murid Spermatid-specific Thioredoxin-2 (SPTRX-2), a Novel Sperm Fibrous Sheath Protein and Autoantigen. <i>Journal of Biological Chemistry</i> , 2003, 278, 44874-44885.	1.6	44
40	Characterization of Human Thioredoxin-like 2. <i>Journal of Biological Chemistry</i> , 2003, 278, 13133-13142.	1.6	80
41	Cloning, expression and characterization of mouse spermatid specific thioredoxin-1 gene and protein. <i>Molecular Human Reproduction</i> , 2002, 8, 710-718.	1.3	22
42	Human spermatid-specific thioredoxin-1 (Sptrx-1) is a two-domain protein with oxidizing activity. <i>FEBS Letters</i> , 2002, 530, 79-84.	1.3	21
43	Molecular Characterization of FMN1, the Structural Gene for the Monofunctional Flavokinase of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 28618-28624.	1.6	61