

# Alberto JimÃ©nez

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

9,279  
citations

304368

22  
h-index

276539

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

20965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Involvement of glutaredoxin-1 and thioredoxin-1 in $\beta$ -amyloid toxicity and Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2006, 13, 1454-1465.	5.0	159
4	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
5	Bioproduction of riboflavin: a bright yellow history. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 659-665.	1.4	90
6	The Mammalian Testis-Specific Thioredoxin System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 25-40.	2.5	81
7	Characterization of Human Thioredoxin-like 2. <i>Journal of Biological Chemistry</i> , 2003, 278, 13133-13142.	1.6	80
8	Phosphoribosyl pyrophosphate synthetase activity affects growth and riboflavin production in <i>Ashbya gossypii</i> . <i>BMC Biotechnology</i> , 2008, 8, 67.	1.7	72
9	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
10	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
11	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
12	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
13	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
14	Mitochondria and lipid raft-located FOF1-ATP synthase as major therapeutic targets in the antileishmanial and anticancer activities of ether lipid edelfosine. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005805.	1.3	44
15	Formation of folates by microorganisms: towards the biotechnological production of this vitamin. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8613-8620.	1.7	44
16	Metabolic engineering of riboflavin production in <i>Ashbya gossypii</i> through pathway optimization. <i>Microbial Cell Factories</i> , 2015, 14, 163.	1.9	42
17	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
18	Folic Acid Production by Engineered <i>Ashbya gossypii</i> . <i>Metabolic Engineering</i> , 2016, 38, 473-482.	3.6	35

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19	Biotechnological production of feed nucleotides by microbial strain improvement. <i>Process Biochemistry</i> , 2013, 48, 1263-1270.	1.8	31
20	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
21	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
22	Engineering <i>Ashbya gossypii</i> for efficient biolipid production. <i>Bioengineered</i> , 2015, 6, 119-123.	1.4	22
23	Utilization of xylose by engineered strains of <i>Ashbya gossypii</i> for the production of microbial oils. <i>Biotechnology for Biofuels</i> , 2017, 10, 3.	6.2	22
24	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
25	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
26	Microbial lipids from industrial wastes using xylose-utilizing <i>Ashbya gossypii</i> strains. <i>Bioresource Technology</i> , 2019, 293, 122054.	4.8	20
27	One-vector CRISPR/Cas9 genome engineering of the industrial fungus <i>Ashbya gossypii</i> . <i>Microbial Biotechnology</i> , 2019, 12, 1293-1301.	2.0	20
28	Multiplex genome editing in <i>Ashbya gossypii</i> using CRISPR-Cpf1. <i>New Biotechnology</i> , 2020, 57, 29-33.	2.4	19
29	Pathway Grafting for Polyunsaturated Fatty Acids Production in <i>Ashbya gossypii</i> through Golden Gate Rapid Assembly. <i>ACS Synthetic Biology</i> , 2018, 7, 2340-2347.	1.9	18
30	Metabolic engineering of <i>Ashbya gossypii</i> for deciphering the de novo biosynthesis of $\delta^3$ -lactones. <i>Microbial Cell Factories</i> , 2019, 18, 62.	1.9	17
31	The <i>txl1</i> 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
32	Microbial production of vitamins. , 2013, , 571-594.		16
33	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
34	Engineering <i>Ashbya gossypii</i> strains for de novo lipid production using industrial by-products. <i>Microbial Biotechnology</i> , 2017, 10, 425-433.	2.0	15
35	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
36	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

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37	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
38	Diversity of mechanisms to control bacterial <i>GTP</i> homeostasis by the mutually exclusive binding of adenine and guanine nucleotides to <i>IMP</i> dehydrogenase. <i>Protein Science</i> , 2022, 31, e4314.	3.1	9
39	Purification and characterization of $\hat{1}^{3}$ 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
40	Sugar transport for enhanced xylose utilization in <i>Ashbya gossypii</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 1173-1179.	1.4	4
41	New Promoters for Metabolic Engineering of <i>Ashbya gossypii</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 906.	1.5	4
42	Metabolic engineering of <i>Ashbya gossypii</i> for limonene production from xylose. , 2022, 15, .		3
43	Genomic Edition of <i>Ashbya gossypii</i> Using One-vector CRISPR/Cas9. <i>Bio-protocol</i> , 2020, 10, e3660.	0.2	2