

# Alberto Jimnez

## List of Publications by Citations

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43  
papers

7,787  
citations

20  
h-index

46  
g-index

46  
ext. papers

8,640  
ext. citations

5.5  
avg. IF

4.22  
L-index

#	Paper	IF	Citations
43	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
42	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	10.2	2783
41	Involvement of glutaredoxin-1 and thioredoxin-1 in beta-amyloid toxicity and Alzheimer's disease. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 1454-65	12.7	130
40	Metabolic engineering of the purine pathway for riboflavin production in <i>Ashbya gossypii</i> . <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 5743-51	4.8	87
39	Characterization of human thioredoxin-like 2. A novel microtubule-binding thioredoxin expressed predominantly in the cilia of lung airway epithelium and spermatid manchette and axoneme. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 13133-42	5.4	73
38	The mammalian testis-specific thioredoxin system. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 25-40	8.4	69
37	Bioproduction of riboflavin: a bright yellow history. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2017</b> , 44, 659-665	4.2	68
36	Phosphoribosyl pyrophosphate synthetase activity affects growth and riboflavin production in <i>Ashbya gossypii</i> . <i>BMC Biotechnology</i> , <b>2008</b> , 8, 67	3.5	60
35	Molecular characterization of FMN1, the structural gene for the monofunctional flavokinase of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 28618-24	5.4	59
34	Spermatocyte/spermatid-specific thioredoxin-3, a novel Golgi apparatus-associated thioredoxin, is a specific marker of aberrant spermatogenesis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 34971-82	5.4	54
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> , <b>2006</b> , 72, 5052-60	4.8	51
32	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> , <b>2003</b> , 278, 44874-85	5.4	39
31	Characterization of human thioredoxin-like-1: potential involvement in the cellular response against glucose deprivation. <i>FEBS Letters</i> , <b>2006</b> , 580, 960-7	3.8	38
30	Metabolic engineering of riboflavin production in <i>Ashbya gossypii</i> through pathway optimization. <i>Microbial Cell Factories</i> , <b>2015</b> , 14, 163	6.4	37
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> , <b>2008</b> , 283, 2814-21	5.4	35
28	Strain design of <i>Ashbya gossypii</i> for single-cell oil production. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 1237-44	4.8	25
27	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> , <b>2017</b> , 11, e0005805	4.8	24

26	Biotechnological production of feed nucleotides by microbial strain improvement. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1263-1270	4.8	23
25	Folic Acid Production by Engineered <i>Ashbya gossypii</i> . <i>Metabolic Engineering</i> , <b>2016</b> , 38, 473-482	9.7	21
24	Engineering <i>Ashbya gossypii</i> for efficient biolipid production. <i>Bioengineered</i> , <b>2015</b> , 6, 119-23	5.7	20
23	Tuning single-cell oil production in <i>Ashbya gossypii</i> by engineering the elongation and desaturation systems. <i>Biotechnology and Bioengineering</i> , <b>2014</b> , 111, 1782-91	4.9	20
22	Cloning, expression and characterization of mouse spermatid specific thioredoxin-1 gene and protein. <i>Molecular Human Reproduction</i> , <b>2002</b> , 8, 710-8	4.4	20
21	Human spermatid-specific thioredoxin-1 (Sptrx-1) is a two-domain protein with oxidizing activity. <i>FEBS Letters</i> , <b>2002</b> , 530, 79-84	3.8	20
20	Utilization of xylose by engineered strains of for the production of microbial oils. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 3	7.8	17
19	One-vector CRISPR/Cas9 genome engineering of the industrial fungus <i>Ashbya gossypii</i> . <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 1293-1301	6.3	17
18	Formation of folates by microorganisms: towards the biotechnological production of this vitamin. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 8613-8620	5.7	15
17	The txl1+ 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> , <b>2007</b> , 24, 481-90	3.4	15
16	Microbial lipids from industrial wastes using xylose-utilizing <i>Ashbya gossypii</i> strains. <i>Bioresource Technology</i> , <b>2019</b> , 293, 122054	11	14
15	Microbial production of vitamins <b>2013</b> , 571-594		13
14	Human initiator caspases trigger apoptotic and autophagic phenotypes in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 561-71	4.9	13
13	Pathway Grafting for Polyunsaturated Fatty Acids Production in <i>Ashbya gossypii</i> through Golden Gate Rapid Assembly. <i>ACS Synthetic Biology</i> , <b>2018</b> , 7, 2340-2347	5.7	13
12	Engineering <i>Ashbya gossypii</i> strains for de novo lipid production using industrial by-products. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 425-433	6.3	12
11	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> , <b>2012</b> , 287, 29636-47	5.4	12
10	Metabolic engineering of <i>Ashbya gossypii</i> for deciphering the de novo biosynthesis of $\beta$ -lactones. <i>Microbial Cell Factories</i> , <b>2019</b> , 18, 62	6.4	11
9	Multiplex genome editing in <i>Ashbya gossypii</i> using CRISPR-Cpf1. <i>New Biotechnology</i> , <b>2020</b> , 57, 29-33	6.4	11

8	Absolute mRNA levels and transcriptional regulation of the mouse testis-specific thioredoxins. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 330, 65-74	3.4	10
7	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> , <b>2010</b> , 10, 858-69	3.1	9
6	Purification and characterization of delta3Trx-1, a splicing variant of human thioredoxin-1 lacking exon 3. <i>Protein Expression and Purification</i> , <b>2003</b> , 27, 319-24	2	4
5	Industrial Production of Vitamin B2 by Microbial Fermentation <b>2016</b> , 15-40		3
4	Genomic Edition of Using One-vector CRISPR/Cas9. <i>Bio-protocol</i> , <b>2020</b> , 10, e3660	0.9	2
3	Multiplex genomic edition in <i>Ashbya gossypii</i> using CRISPR-Cpf1		1
2	Sugar transport for enhanced xylose utilization in <i>Ashbya gossypii</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2020</b> , 47, 1173-1179	4.2	1
1	Diversity of mechanisms to control bacterial GTP homeostasis by the mutually exclusive binding of adenine and guanine nucleotides to IMP dehydrogenase.. <i>Protein Science</i> , <b>2022</b> , 31, e4314	6.3	0