

# Pablo S Aguilar

## List of Publications by Year in descending order

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45  
papers

2,789  
citations

257450

24  
h-index

330143

37  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis of thermosensing: a two-component signal transduction thermometer in <i>Bacillus subtilis</i> . <i>EMBO Journal</i> , 2001, 20, 1681-1691.	7.8	353
2	Eisosomes mark static sites of endocytosis. <i>Nature</i> , 2006, 439, 998-1003.	27.8	304
3	A <i>Bacillus subtilis</i> Gene Induced by Cold Shock Encodes a Membrane Phospholipid Desaturase. <i>Journal of Bacteriology</i> , 1998, 180, 2194-2200.	2.2	222
4	Genetic basis of cell-cell fusion mechanisms. <i>Trends in Genetics</i> , 2013, 29, 427-437.	6.7	199
5	Control of fatty acid desaturation: a mechanism conserved from bacteria to humans. <i>Molecular Microbiology</i> , 2006, 62, 1507-1514.	2.5	157
6	A genome-wide screen for genes affecting eisosomes reveals Nce102 function in sphingolipid signaling. <i>Journal of Cell Biology</i> , 2009, 185, 1227-1242.	5.2	123
7	Pkh-kinases control eisosome assembly and organization. <i>EMBO Journal</i> , 2007, 26, 4946-4955.	7.8	117
8	Mechanism of membrane fluidity optimization: isothermal control of the <i>Bacillus subtilis</i> acyl lipid desaturase. <i>Molecular Microbiology</i> , 2002, 45, 1379-1388.	2.5	113
9	A plasma-membrane E-MAP reveals links of the eisosome with sphingolipid metabolism and endosomal trafficking. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 901-908.	8.2	93
10	<i>Arabidopsis</i> HAP2/GCS1 is a gamete fusion protein homologous to somatic and viral fusogens. <i>Journal of Cell Biology</i> , 2017, 216, 571-581.	5.2	93
11	The eisosome core is composed of BAR domain proteins. <i>Molecular Biology of the Cell</i> , 2011, 22, 2360-2372.	2.1	91
12	The Plasma Membrane Proteins Prm1 and Fig1 Ascertain Fidelity of Membrane Fusion during Yeast Mating. <i>Molecular Biology of the Cell</i> , 2007, 18, 547-556.	2.1	87
13	Yeast diversity and native vigor for flavor phenotypes. <i>Trends in Biotechnology</i> , 2015, 33, 148-154.	9.3	82
14	Transcriptional Control of the Low-Temperature-Inducible <i>des</i> Gene, Encoding the $\Delta^5$ Desaturase of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1999, 181, 7028-7033.	2.2	80
15	The <i>Bacillus subtilis</i> Acyl Lipid Desaturase Is a $\Delta^5$ Desaturase. <i>Journal of Bacteriology</i> , 2003, 185, 3228-3231.	2.2	76
16	Pil1 Controls Eisosome Biogenesis. <i>Molecular Biology of the Cell</i> , 2009, 20, 809-818.	2.1	62
17	Structure of sterol aliphatic chains affects yeast cell shape and cell fusion during mating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4170-4175.	7.1	53
18	Genomic and Transcriptomic Basis of <i>Hanseniaspora vineae</i> 's Impact on Flavor Diversity and Wine Quality. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	51

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19	Allosteric Activation of Bacterial Response Regulators: the Role of the Cognate Histidine Kinase Beyond Phosphorylation. <i>MBio</i> , 2014, 5, e02105.	4.1	50
20	Oxidative stress and chronological aging in glycogen-phosphorylase-deleted yeast. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1446-1456.	2.9	46
21	<i>De Novo</i> Synthesis of Benzenoid Compounds by the Yeast <i>Hanseniaspora vineae</i> Increases the Flavor Diversity of Wines. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4574-4583.	5.2	46
22	Biosynthesis and Function of Membrane Lipids. , 0, , 43-55.		35
23	Eisosomes and plasma membrane organization. <i>Molecular Genetics and Genomics</i> , 2012, 287, 607-620.	2.1	33
24	Genome Sequence of the Native Apiculate Wine Yeast <i>Hanseniaspora vineae</i> T02/19AF. <i>Genome Announcements</i> , 2014, 2, .	0.8	30
25	FigA, a Putative Homolog of Low-Affinity Calcium System Member Fig1 in <i>Saccharomyces cerevisiae</i> , Is Involved in Growth and Asexual and Sexual Development in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2014, 13, 295-303.	3.4	29
26	Sexual pheromone modulates the frequency of cytosolic Ca <sup>2+</sup> bursts in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2017, 28, 501-510.	2.1	26
27	Eisosomes Are Dynamic Plasma Membrane Domains Showing Pil1-Lsp1 Heteroligomer Binding Equilibrium. <i>Biophysical Journal</i> , 2015, 108, 1633-1644.	0.5	24
28	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. <i>PLoS Computational Biology</i> , 2020, 16, e1007553.	3.2	19
29	Discovery of archaeal fusoxins homologous to eukaryotic HAP2/GCS1 gamete fusion proteins. <i>Nature Communications</i> , 2022, 13, .	12.8	17
30	Glutamate activates PP125FAK through AMPA/kainate receptors in Bergmann glia. <i>Journal of Neuroscience Research</i> , 2001, 66, 723-729.	2.9	16
31	Regulation of fatty acid desaturation in <i>Bacillus subtilis</i> . <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2003, 68, 187-190.	2.2	15
32	Overproduction of isoprenoids by <i>Saccharomyces cerevisiae</i> in a synthetic grape juice medium in the absence of plant genes. <i>International Journal of Food Microbiology</i> , 2018, 282, 42-48.	4.7	12
33	The Yeast Cell Fusion Protein Prm1p Requires Covalent Dimerization to Promote Membrane Fusion. <i>PLoS ONE</i> , 2010, 5, e10593.	2.5	9
34	A New Class of Thioredoxin-Related Protein Able to Bind Iron-Sulfur Clusters. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 205-216.	5.4	8
35	High rates of calcium-free diffusion in the cytosol of living cells. <i>Biophysical Journal</i> , 2021, 120, 3960-3972.	0.5	7
36	Quantitation of yeast cell-cell fusion using multicolor flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 843-854.	1.5	3

#	ARTICLE	IF	CITATIONS
37	Eisosomes and Plasma Membrane Organization. Biophysical Journal, 2013, 104, 246a.	0.5	1
38	An image analysis method to quantify CFTR subcellular localization. Molecular and Cellular Probes, 2014, 28, 175-180.	2.1	1
39	Eisosomes and Plasma Membrane Domain Formation. Biophysical Journal, 2014, 106, 465a-466a.	0.5	0
40	Similarity Measure for Cell Membrane Fusion Proteins Identification. Lecture Notes in Computer Science, 2017, , 257-265.	1.3	0
41	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. , 2020, 16, e1007553.		0
42	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. , 2020, 16, e1007553.		0
43	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. , 2020, 16, e1007553.		0
44	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. , 2020, 16, e1007553.		0
45	Scalable phylogenetic profiling using MinHash uncovers likely eukaryotic sexual reproduction genes. , 2020, 16, e1007553.		0