

# Ana S Luis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4830963/publications.pdf>

Version: 2024-02-01

17  
papers

1,245  
citations

759233

12  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex pectin metabolism by gut bacteria reveals novel catalytic functions. <i>Nature</i> , 2017, 544, 65-70.	27.8	447
2	Dietary pectic glycans are degraded by coordinated enzyme pathways in human colonic <i>Bacteroides</i> . <i>Nature Microbiology</i> , 2018, 3, 210-219.	13.3	263
3	Complex N-glycan breakdown by gut <i>Bacteroides</i> involves an extensive enzymatic apparatus encoded by multiple co-regulated genetic loci. <i>Nature Microbiology</i> , 2019, 4, 1571-1581.	13.3	116
4	A single sulfatase is required to access colonic mucin by a gut bacterium. <i>Nature</i> , 2021, 598, 332-337.	27.8	87
5	<i>Bacteroides thetaiotaomicron</i> . <i>Trends in Microbiology</i> , 2018, 26, 966-967.	7.7	72
6	Complexity of the <i>Ruminococcus flavefaciens</i> cellulosome reflects an expansion in glycan recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7136-7141.	7.1	58
7	Family 46 Carbohydrate-binding Modules Contribute to the Enzymatic Hydrolysis of Xyloglucan and Î²-1,3-1,4-Glucans through Distinct Mechanisms. <i>Journal of Biological Chemistry</i> , 2015, 290, 10572-10586.	3.4	36
8	Interrogating gut bacterial genomes for discovery of novel carbohydrate degrading enzymes. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 126-133.	6.1	35
9	Understanding How Noncatalytic Carbohydrate Binding Modules Can Display Specificity for Xyloglucan. <i>Journal of Biological Chemistry</i> , 2013, 288, 4799-4809.	3.4	31
10	A Ribose-Scavenging System Confers Colonization Fitness on the Human Gut Symbiont <i>Bacteroides thetaiotaomicron</i> in a Diet-Specific Manner. <i>Cell Host and Microbe</i> , 2020, 27, 79-92.e9.	11.0	30
11	Influence of a Mannan Binding Family 32 Carbohydrate Binding Module on the Activity of the Appended Mannanase. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4781-4787.	3.1	27
12	Sulfated glycan recognition by carbohydrate sulfatases of the human gut microbiota. <i>Nature Chemical Biology</i> , 2022, 18, 841-849.	8.0	16
13	Family 42 carbohydrate-binding modules display multiple arabinoxylan-binding interfaces presenting different ligand affinities. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 2054-2062.	2.3	9
14	The family 6 carbohydrate-binding module (CtCBM6B) of <i>Clostridium thermocellum</i> alpha-L-arabinofuranosidase binds xylans and thermally stabilized by Ca <sup>2+</sup> -ions. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 217-225.	2.0	3
15	Overproduction, purification, crystallization and preliminary X-ray characterization of a novel carbohydrate-binding module of endoglucanase Cel5A from <i>Eubacterium cellulosolvens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 491-493.	0.7	2
16	Overproduction, purification, crystallization and preliminary X-ray characterization of the C-terminal family 65 carbohydrate-binding module (CBM65B) of endoglucanase Cel5A from <i>Eubacterium cellulosolvens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 191-194.	0.7	0
17	A Genetically Adaptable Strategy for Ribose Scavenging in a Human Gut Symbiont Plays a Diet-Dependent Role in Colon Colonization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0