Gaetano Speciale

List of Publications by Year
in descending order

		759233	839539
17	905	12	18
papers	citations	h-index	g-index

22	22	22	1499
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photostable and Proteolysis-Resistant FÃ¶rster Resonance Energy Transfer-Based Calcium Biosensor. Analytical Chemistry, 2020, 92, 7683-7689.	6.5	3
2	An Epoxide Intermediate in Glycosidase Catalysis. ACS Central Science, 2020, 6, 760-770.	11.3	34
3	Distortion of mannoimidazole supports a B2,5 boat transition state for the family GH125 Î±-1,6-mannosidase from Clostridium perfringens. Organic and Biomolecular Chemistry, 2019, 17, 7863-7869.	2.8	9
4	Electrochemical Quantification of Glycated and Non-glycated Human Serum Albumin in Synthetic Urine. ACS Applied Materials & Interfaces, 2019, 11, 4757-4765.	8.0	20
5	A Bacteroidetes locus dedicated to fungal 1,6-Î²-glucan degradation: Unique substrate conformation drives specificity of the key endo-1,6-Î²-glucanase. Journal of Biological Chemistry, 2017, 292, 10639-10650.	3.4	65
6	Selective Manipulation of Discrete Mannosidase Activities in the Endoplasmic Reticulum by Using Reciprocally Selective Inhibitors. ChemBioChem, 2017, 18, 1027-1035.	2.6	17
7	Gas-Phase Intercluster Thiyl-Radical Induced Câ€“H Bond Homolysis Selectively Forms Sugar C2-Radical Cations of Methyl D-Glucopyranoside: Isotopic Labeling Studies and Cleavage Reactions. Journal of the American Society for Mass Spectrometry, 2017, 28, 1425-1431.	2.8	0
8	Berichtigung: Evidence for a Boat Conformation at the Transition State of GH76 Î±â€1,6â€Mannanasesâ€"Key Enzymes in Bacterial and Fungal Mannoprotein Metabolism. Angewandte Chemie, 2016, 128, 1985-1985.	2.0	0
9	C2-Oxyanion Neighboring Group Participation: Transition State Structure for the Hydroxide-Promoted Hydrolysis of 4-Nitrophenyl Î±-<scp>d</scp>-Mannopyranoside. Journal of the American Chemical Society, 2016, 138, 14012-14019.	13.7	25
10	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. Nature Chemical Biology, 2016, 12, 215-217.	8.0	60
11	Evidence for a Boat Conformation at the Transition State of GH76 Î±â€1,6â€Mannanasesâ€"Key Enzymes in Bacterial and Fungal Mannoprotein Metabolism. Angewandte Chemie - International Edition, 2015, 54, 5378-5382.	13.8	40
12	Human gut Bacteroidetes can utilize yeast mannan through a selfish mechanism. Nature, 2015, 517, 165-169.	27.8	427
13	Structural and Kinetic Dissection of the endoâ€Î±â€1,2â€Mannanase Activity of Bacterial GH99 Glycoside Hydrolases from Bacteroidesâ€...spp.. Chemistry - A European Journal, 2015, 21, 1966-1977.	3.3	17
14	Dissecting conformational contributions to glycosidase catalysis and inhibition. Current Opinion in Structural Biology, 2014, 28, 1-13.	5.7	115
15	9â€Fluorenoneâ€2â€Carboxylic Acid as a Scaffold for Tubulin Interacting Compounds. ChemPlusChem, 2013, 78, 663-669.	2.8	7
16	A Facile Synthesis of Î±-N-Ribosyl-Asparagine and Î±-N-Ribosyl-Glutamine Building Blocks. Molecules, 2013, 18, 8779-8785.	3.8	9
17	Stereoselective Synthesis of Î±â€and Î²â€Glycofuranosyl Amides by Traceless Ligation of Glycofuranosyl Azides. Chemistry - A European Journal, 2012, 18, 6895-6906.	3.3	31