

Gaetano Speciale

List of Publications by Year in descending order

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17
papers

905
citations

759233

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18
g-index

22
all docs

22
docs citations

22
times ranked

1499
citing authors

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