LluÃ-s Raich

List of Publications by Year
in descending order

24 papers	1,107 citations	471509 17 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1946 citing authors

#	Article	IF	Citations
1	Camostat mesylate inhibits SARS-CoV-2 activation by TMPRSS2-related proteases and its metabolite GBPA exerts antiviral activity. EBioMedicine, 2021, 65, 103255.	6.1	256
2	Molecular-Scale Ligand Effects in Small Goldâ€“Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436.	13.7	90
3	Alpha 1 Antitrypsin is an Inhibitor of the SARS-CoV-2â€“Priming Protease TMPRSS2. Pathogens and Immunity, 2021, 6, 55-74.	3.1	73
4	Molecular mechanism of inhibiting the SARS-CoV-2 cell entry facilitator TMPRSS2 with camostat and nafamostat. Chemical Science, 2021, 12, 983-992.	7.4	66
5	A Trapped Covalent Intermediate of a Glycoside Hydrolase on the Pathway to Transglycosylation. Insights from Experiments and Quantum Mechanics/Molecular Mechanics Simulations. Journal of the American Chemical Society, 2016, 138, 3325-3332.	13.7	47
6	The complete conformational free energy landscape of Î²-xylose reveals a two-fold catalytic itinerary for Î²-xylanases. Chemical Science, 2015, 6, 1167-1177.	7.4	44
7	1,6-Cyclophellitol Cyclosulfates: A New Class of Irreversible Glycosidase Inhibitor. ACS Central Science, 2017, 3, 784-793.	11.3	43
8	Palladium-mediated enzyme activation suggests multiphase initiation of glycogenesis. Nature, 2018, 563, 235-240.	27.8	42
9	A Î²-Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. ACS Central Science, 2016, 2, 896-903.	11.3	39
10	Structural and Mechanistic Insights into the Catalytic-Domain-Mediated Short-Range Glycosylation Preferences of GalNAc-T4. ACS Central Science, 2018, 4, 1274-1290.	11.3	35
11	Dynamic and Functional Profiling of Xylan-Degrading Enzymes in Aspergillus Secretomes Using Activity-Based Probes. ACS Central Science, 2019, 5, 1067-1078.	11.3	34
12	An Epoxide Intermediate in Glycosidase Catalysis. ACS Central Science, 2020, 6, 760-770.	11.3	34
13	Precise Probing of Residue Roles by Post-Translational Î²,Î³-C,N Aza-Michael Mutagenesis in Enzyme Active Sites. ACS Central Science, 2017, 3, 1168-1173.	11.3	30
14	Modeling catalytic reaction mechanisms in glycoside hydrolases. Current Opinion in Chemical Biology, 2019, 53, 183-191.	6.1	26
15	A Single Point Mutation Converts GH84 O-GlcNAc Hydrolases into Phosphorylases: Experimental and Theoretical Evidence. Journal of the American Chemical Society, 2020, 142, 2120-2124.	13.7	25
16	Carba-cyclophellitols Are Neutral Retaining-Glucosidase Inhibitors. Journal of the American Chemical Society, 2017, 139, 6534-6537.	13.7	24
17	Discovery of a hidden transient state in all bromodomain families. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
18	Contribution of Shape and Charge to the Inhibition of a Family GH99 endo-Î±-1,2-Mannanase. Journal of the American Chemical Society, 2017, 139, 1089-1097.	13.7	17

#	Article	IF	Citations
19	The molecular mechanism of the ligand exchange reaction of an antibody against a glutathione-coated gold cluster. Nanoscale, 2017, 9, 3121-3127.	5.6	15
20	Conformational Analysis of the Mannosidase Inhibitor Kifunensine: A Quantum Mechanical and Structural Approach. ChemBioChem, 2017, 18, 1496-1501.	2.6	12
21	Î±-<scp>d</scp>-Gal-cyclophellitol cyclosulfamidate is a Michaelis complex analog that stabilizes therapeutic lysosomal Î±-galactosidase A in Fabry disease. Chemical Science, 2019, 10, 9233-9243.	7.4	11
22	Synergistic inhibition of SARS-CoV-2 cell entry by otamixaban and covalent protease inhibitors: pre-clinical assessment of pharmacological and molecular properties. Chemical Science, 2021, 12, 12600-12609.	7.4	11
23	Selective Derivatization of N-Terminal Cysteines Using Cyclopentenediones. Organic Letters, 2016, 18, 4836-4839.	4.6	10
24	The Molecular Mechanism of Substrate Recognition and Catalysis of the Membrane Acyltransferase PatA from Mycobacteria. ACS Chemical Biology, 2018, 13, 131-140.	3.4	10