

Megan A Macnaughtan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9396000/publications.pdf>

Version: 2024-02-01

30
papers

665
citations

567281

15
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	O-GlcNAc transferase invokes nucleotide sugar pyrophosphate participation in catalysis. <i>Nature Chemical Biology</i> , 2012, 8, 969-974.	8.0	123
2	Rumi functions as both a protein <i>O</i> -glucosyltransferase and a protein <i>O</i> -xylosyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16600-16605.	7.1	72
3	High-Throughput Nuclear Magnetic Resonance Analysis Using a Multiple Coil Flow Probe. <i>Analytical Chemistry</i> , 2003, 75, 5116-5123.	6.5	54
4	Increased phosphate transport of <i>Arabidopsis thaliana</i> P _{HT1;1} by site-directed mutagenesis of tyrosine 312 may be attributed to the disruption of homomeric interactions. <i>Plant, Cell and Environment</i> , 2015, 38, 2012-2022.	5.7	47
5	NMR Structural Characterization of Substrates Bound to N-Acetylglucosaminyltransferase V. <i>Journal of Molecular Biology</i> , 2007, 366, 1266-1281.	4.2	38
6	Design, Synthesis, and Structure-Activity Relationship, Molecular Modeling, and NMR Studies of a Series of Phenyl Alkyl Ketones as Highly Potent and Selective Phosphodiesterase-4 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7673-7688.	6.4	37
7	Analysis of Multiple Samples Using Multiplex Sample NMR: Selective Excitation and Chemical Shift Imaging Approaches. <i>Analytical Chemistry</i> , 2001, 73, 2541-2546.	6.5	36
8	Evaluation of colorimetric assays for analyzing reductively methylated proteins: Biases and mechanistic insights. <i>Analytical Biochemistry</i> , 2015, 491, 43-51.	2.4	32
9	Zeolite-Coated Optical Microfibers for Intrazeolite Photocatalysis Studied by in Situ Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2000, 122, 404-405.	13.7	30
10	¹³ C-Sialic Acid Labeling of Glycans on Glycoproteins Using ST6GalH. <i>Journal of the American Chemical Society</i> , 2008, 130, 11864-11865.	13.7	25
11	Mass Spectrometry Assisted Assignment of NMR Resonances in Reductively ¹³ C-Methylated Proteins. <i>Journal of the American Chemical Society</i> , 2005, 127, 17626-17627.	13.7	21
12	Acid dissociation constants of uridine-5-diphosphate compounds determined by ³¹ phosphorus nuclear magnetic resonance spectroscopy and internal pH referencing. <i>Analytica Chimica Acta</i> , 2012, 749, 63-69.	5.4	21
13	NMR Difference Probe: A Dual-Coil Probe for NMR Difference Spectroscopy. <i>Journal of Magnetic Resonance</i> , 2002, 156, 97-103.	2.1	19
14	Three-dimensional structure of the weakly associated protein homodimer Ser13 using RDCs and paramagnetic surface mapping. <i>Protein Science</i> , 2010, 19, 1673-1685.	7.6	19
15	Multipart Chaperone-Effector Recognition in the Type III Secretion System of <i>Chlamydia trachomatis</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 28141-28155.	3.4	16
16	<i>E. coli</i> sabotages the in vivo production of O-linked ¹² N-acetylglucosamine-modified proteins. <i>Journal of Biotechnology</i> , 2013, 168, 315-323.	3.8	12
17	NMR difference spectroscopy with a dual saddle-coil difference probe. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1520-1527.	3.7	10
18	A Kazal-Type Serine Protease Inhibitor from the Defense Gland Secretion of the Subterranean Termite <i>Coptotermes formosanus</i> Shiraki. <i>PLoS ONE</i> , 2015, 10, e0125376.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Preparation of Zeolites Supported on Optical Microfibers. <i>Chemistry of Materials</i> , 2002, 14, 3022-3027.	6.7	7
20	Context-Dependent Action of Scc4 Reinforces Control of the Type III Secretion System. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	7
21	Microscopy basics and the study of actin-actin-binding protein interactions. <i>Analytical Biochemistry</i> , 2013, 443, 156-165.	2.4	5
22	Review of methods to assign the nuclear magnetic resonance peaks of reductively methylated proteins. <i>Analytical Biochemistry</i> , 2014, 466, 76-82.	2.4	5
23	CDP-Ethanolamine and CDP-Choline: one-pot synthesis and ³¹ P NMR study. <i>Tetrahedron Letters</i> , 2014, 55, 5306-5310.	1.4	5
24	Structural modification of the tripeptide KPV by reductive α-glycoalkylation of the lysine residue. <i>PLoS ONE</i> , 2018, 13, e0199686.	2.5	5
25	Purification of Tag-Free <i>Chlamydia trachomatis</i> Scc4 for Structural Studies Using Sarkosyl-Assisted on-Column Complex Dissociation. <i>Biochemistry</i> , 2019, 58, 4284-4292.	2.5	4
26	Methods to Identify the NMR Resonances of the ¹³ C-Dimethyl N-terminal Amine on Reductively Methylated Proteins. <i>Journal of Visualized Experiments</i> , 2013, , e50875.	0.3	3
27	Backbone and sidechain resonance assignments and secondary structure of Scc4 from <i>Chlamydia trachomatis</i> . <i>Biomolecular NMR Assignments</i> , 2020, 14, 301-307.	0.8	1
28	Chain-Selective Isotopic Labeling of the Heterodimeric Type III Secretion Chaperone, Scc4:Scc1, Reveals the Total Structural Rearrangement of the <i>Chlamydia trachomatis</i> Bi-Functional Protein, Scc4. <i>Biomolecules</i> , 2020, 10, 1480.	4.0	1
29	Expression, purification, and glycosylation of epidermal growth factor-like repeat 27 from mouse NOTCH1. <i>Protein Expression and Purification</i> , 2020, 174, 105681.	1.3	1
30	Novel interpretations of in vitro polyhydroxyalkanoate polymerization phenomena. <i>Polymer</i> , 2016, 103, 196-205.	3.8	0