

Filipa M Marcelo

List of Publications by Year in descending order

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54
papers

1,592
citations

279798

23
h-index

315739

38
g-index

55
all docs

55
docs citations

55
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercritical carbon dioxide extraction of astaxanthin and other carotenoids from the microalga <i>Haematococcus pluvialis</i> . <i>European Food Research and Technology</i> , 2006, 223, 787-790.	3.3	151
2	NHC-Capped Cyclodextrins (ICyDs): Insulated Metal Complexes, Commutable Multicoordination Sphere, and Cavity-Dependent Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7213-7218.	13.8	128
3	Protein-Carbohydrate Interactions Studied by NMR: From Molecular Recognition to Drug Design. <i>Current Protein and Peptide Science</i> , 2012, 13, 816-830.	1.4	107
4	Functional food oil coloured by pigments extracted from microalgae with supercritical CO ₂ . <i>Food Chemistry</i> , 2007, 101, 717-723.	8.2	102
5	Structural Characterization of N-Linked Glycans in the Receptor Binding Domain of the SARS-CoV-2 Spike Protein and their Interactions with Human Lectins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23763-23771.	13.8	81
6	Natural Compounds against Alzheimer's Disease: Molecular Recognition of A β 1-42 Peptide by <i>Salvia sclareoides</i> Extract and its Major Component, Rosmarinic Acid, as Investigated by NMR. <i>Chemistry - an Asian Journal</i> , 2013, 8, 596-602.	3.3	77
7	Molecular Basis for Inhibition of GH84 Glycoside Hydrolases by Substituted Azepanes: Conformational Flexibility Enables Probing of Substrate Distortion. <i>Journal of the American Chemical Society</i> , 2009, 131, 5390-5392.	13.7	62
8	Molecular basis for fibroblast growth factor 23 O-glycosylation by GalNAc-T3. <i>Nature Chemical Biology</i> , 2020, 16, 351-360.	8.0	52
9	Delineating Binding Modes of Gal/GalNAc and Structural Elements of the Molecular Recognition of Tumor-Associated Mucin Glycopeptides by the Human Macrophage Galactose-Type Lectin. <i>Chemistry - A European Journal</i> , 2014, 20, 16147-16155.	3.3	46
10	Design and synthesis of acetamido tri- and tetra-hydroxyazepanes: Potent and selective β -N-acetylhexosaminidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5598-5604.	3.0	44
11	Diametrically Opposed Carbenes on an α -Cyclodextrin: Synthesis, Characterization of Organometallic Complexes and Suzuki-Miyaura Coupling in Ethanol and in Water. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3691-3699.	2.4	40
12	Exploiting the Therapeutic Potential of 8- β -Glucopyranosylgenistein: Synthesis, Antidiabetic Activity, and Molecular Interaction with Islet Amyloid Polypeptide and Amyloid β -Peptide (1-42). <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9463-9472.	6.4	39
13	Detection of Tumor-Associated Glycopeptides by Lectins: The Peptide Context Modulates Carbohydrate Recognition. <i>ACS Chemical Biology</i> , 2015, 10, 747-756.	3.4	39
14	The interdomain flexible linker of the polypeptide GalNAc transferases dictates their long-range glycosylation preferences. <i>Nature Communications</i> , 2017, 8, 1959.	12.8	37
15	The Quest for Anticancer Vaccines: Deciphering the Fine-Epitope Specificity of Cancer-Related Monoclonal Antibodies by Combining Microarray Screening and Saturation Transfer Difference NMR. <i>Journal of the American Chemical Society</i> , 2015, 137, 12438-12441.	13.7	35
16	Structural and Mechanistic Insights into the Catalytic-Domain-Mediated Short-Range Glycosylation Preferences of GalNAc-T4. <i>ACS Central Science</i> , 2018, 4, 1274-1290.	11.3	35
17	Molecular Recognition of Rosmarinic Acid from <i>Salvia...sclareoides</i> Extracts by Acetylcholinesterase: A New Binding Site Detected by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2013, 19, 6641-6649.	3.3	34
18	Stereochemical Assignment and First Synthesis of the Core of Miharamycin Antibiotics. <i>Chemistry - A European Journal</i> , 2008, 14, 10066-10073.	3.3	32

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19	Identification of a secondary binding site in human macrophage galactose-type lectin by microarray studies: Implications for the molecular recognition of its ligands. <i>Journal of Biological Chemistry</i> , 2019, 294, 1300-1311.	3.4	31
20	Synthesis of novel purine nucleosides towards a selective inhibition of human butyrylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5106-5116.	3.0	30
21	Interactions of Bacterial Cell Division Protein FtsZ with C8-Substituted Guanine Nucleotide Inhibitors. A Combined NMR, Biochemical and Molecular Modeling Perspective. <i>Journal of the American Chemical Society</i> , 2013, 135, 16418-16428.	13.7	28
22	Rational design of a Tn antigen mimic. <i>Chemical Communications</i> , 2011, 47, 5319.	4.1	24
23	The Plasticity of the Carbohydrate Recognition Domain Dictates the Exquisite Mechanism of Binding of Human Macrophage Galactose- α -Type Lectin. <i>Chemistry - A European Journal</i> , 2019, 25, 13945-13955.	3.3	24
24	Protein-Glycan Quinary Interactions in Crowding Environment Unveiled by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2017, 23, 13213-13220.	3.3	20
25	Crystal Structure of the Carbohydrate Recognition Domain of the Human Macrophage Galactose C-Type Lectin Bound to GalNAc and the Tumor-Associated Tn Antigen. <i>Biochemistry</i> , 2021, 60, 1327-1336.	2.5	20
26	Engineering α -Glycosylation Points in Non-extended Peptides: Implications for the Molecular Recognition of Short Tumor-Associated Glycopeptides. <i>Chemistry - A European Journal</i> , 2011, 17, 3105-3110.	3.3	19
27	Glucosylpolyphenols as Inhibitors of $A\beta$ -Induced Fyn Kinase Activation and Tau Phosphorylation: Synthesis, Membrane Permeability, and Exploratory Target Assessment within the Scope of Type 2 Diabetes and Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11663-11690.	6.4	17
28	Structural Analysis of a GalNAc-T2 Mutant Reveals an Induced-Fit Catalytic Mechanism for GalNAc-Ts. <i>Chemistry - A European Journal</i> , 2018, 24, 8382-8392.	3.3	16
29	Direct Experimental Evidence for the High Chemical Reactivity of $1\pm$ - and 1^2 -Xylopyranosides Adopting a 2,5 -B Conformation in Glycosyl Transfer. <i>Chemistry - A European Journal</i> , 2011, 17, 7345-7356.	3.3	14
30	Synthesis, Conformational Analysis, and Evaluation as Glycosidase Inhibitors of Two Ether-Bridged Iminosugars. <i>Journal of Carbohydrate Chemistry</i> , 2011, 30, 641-654.	1.1	14
31	Structure-Activity Relationship Study of Opiorphin, a Human Dual Ectopeptidase Inhibitor with Antinociceptive Properties. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1181-1188.	6.4	14
32	Synthesis, biological evaluation and structural characterization of novel glycopeptide analogues of nociceptin N/O/FQ. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6133.	2.8	13
33	Molecular Recognition of a Thomsen-Friedenreich Antigen Mimetic Targeting Human Galectin-3. <i>ChemMedChem</i> , 2018, 13, 2030-2036.	3.2	13
34	SLMP53-1 interacts with wild-type and mutant p53 DNA-binding domain and reactivates multiple hotspot mutations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129440.	2.4	13
35	Atomic and Specificity Details of Mucin 1 α -Glycosylation Process by Multiple Polypeptide GalNAc-Transferase Isoforms Unveiled by NMR and Molecular Modeling. <i>Jacs Au</i> , 2022, 2, 631-645.	7.9	12
36	Carbohydrate Recognition at the Minor-Groove of the Self-Complementary Duplex d(CGCGAATTCGCG) 2 by a Synthetic Glyco-oligoamide. <i>Chemistry - A European Journal</i> , 2011, 17, 4561-4570.	3.3	10

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37	Î±-N-Linked glycopeptides: conformational analysis and bioactivity as lectin ligands. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5916.	2.8	10
38	Structural characterization of an unprecedented lectin-like antitumoral anti-MUC1 antibody. <i>Chemical Communications</i> , 2020, 56, 15137-15140.	4.1	10
39	D- and L-Mannose-Containing glyco-Oligoamides Show Distinct Recognition Properties When Interacting with DNA. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6180-6193.	2.4	9
40	Beyond a Fluorescent Probe: Inhibition of Cell Division Protein FtsZ by <i>mant</i> -GTP Elucidated by NMR and Biochemical Approaches. <i>ACS Chemical Biology</i> , 2015, 10, 2382-2392.	3.4	9
41	Acetylcholinesterase Choline-Based Ionic Liquid Inhibitors: In Vitro and in Silico Molecular Docking Studies. <i>ACS Omega</i> , 2018, 3, 17145-17154.	3.5	9
42	Molecular basis for the preferential recognition of Î²1,3- and Î²1,4-glucans by the family 11 carbohydrate-binding module from <i>Clostridium thermocellum</i> . <i>FEBS Journal</i> , 2020, 287, 2723-2743.	4.7	9
43	Structural Characterization of N-Linked Glycans in the Receptor Binding Domain of the SARS-CoV-2 Spike Protein and their Interactions with Human Lectins. <i>Angewandte Chemie</i> , 2020, 132, 23971-23979.	2.0	9
44	Glycosyltransferase inhibitors: a promising strategy to pave a path from laboratory to therapy. <i>Carbohydrate Chemistry</i> , 2017, , 135-158.	0.3	9
45	Fructose-Based Proline Analogues: Exploring the Prolyl <i>trans</i> / <i>cis</i> -Amide Rotamer Population in Model Peptides. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 128-136.	2.4	8
46	Cooperative Hydrogen Bonding in Glyco-Oligoamides: DNA Minor Groove Binders in Aqueous Media. <i>Chemistry - A European Journal</i> , 2014, 20, 17640-17652.	3.3	8
47	Structural basis for the synthesis of the core 1 structure by C1GalT1. <i>Nature Communications</i> , 2022, 13, 2398.	12.8	8
48	Recent advances on the application of NMR methods to study the conformation and recognition properties of carbohydrates. <i>Carbohydrate Chemistry</i> , 2012, , 192-214.	0.3	4
49	Synthesis and conformational analysis of bicyclic mimics of Î±- and Î²-d-glucopyranosides adopting the biologically relevant 2,5B conformation. <i>Carbohydrate Research</i> , 2012, 361, 219-224.	2.3	4
50	Structural Insights into the Molecular Recognition Mechanism of the Cancer and Pathogenic Epitope, LacdiNAc by Immune-Related Lectins. <i>Chemistry - A European Journal</i> , 2021, 27, 7951-7958.	3.3	4
51	The Interaction of Saccharides with Antibodies. A 3D View by Using NMR. , 2012, , 385-402.		3
52	Role of the sugar moiety on the opioid receptor binding and conformation of a series of enkephalin neoglycopeptides. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2260-2265.	3.0	3
53	Total Synthesis of the Epimer at C-6 of the Miharamycin B Framework. <i>Synlett</i> , 2009, 2009, 1269-1272.	1.8	2
54	Influence of polar side chains modifications on the dual enkephalinase inhibitory activity and conformation of human opiorphin, a pain perception related peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5190-5193.	2.2	1