

# Nuno M Xavier

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

443  
citations

687363

13  
h-index

752698

20  
g-index

52  
all docs

52  
docs citations

52  
times ranked

607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbohydrate-Based Lactones: Synthesis and Applications. <i>Topics in Current Chemistry</i> , 2010, 295, 19-62.	4.0	41
2	Zeolites as efficient catalysts for key transformations in carbohydrate chemistry. <i>Journal of Molecular Catalysis A</i> , 2009, 305, 84-89.	4.8	40
3	Sugars containing $\hat{1},\hat{2}$ -unsaturated carbonyl systems: synthesis and their usefulness as scaffolds in carbohydrate chemistry. <i>Carbohydrate Research</i> , 2008, 343, 1523-1539.	2.3	36
4	Sugar-based bactericides targeting phosphatidylethanolamine-enriched membranes. <i>Nature Communications</i> , 2018, 9, 4857.	12.8	31
5	A "natural" approach: Synthesis and cytotoxicity of monodesmosidic glycyrrhetic acid glycosides. <i>European Journal of Medicinal Chemistry</i> , 2014, 72, 78-83.	5.5	30
6	Synthesis of Purine Nucleosides from $\alpha$ -D-Glucuronic Acid Derivatives and Evaluation of Their Cholinesterase Inhibitory Activities. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2770-2779.	2.4	22
7	Acid zeolites as efficient catalysts for O- and S-glycosylation. <i>Journal of Molecular Catalysis A</i> , 2007, 275, 206-213.	4.8	21
8	Synthesis and Evaluation of the Biological Profile of Novel Analogues of Nucleosides and of Potential Mimetics of Sugar Phosphates and Nucleotides. <i>Synlett</i> , 2015, 26, 2663-2672.	1.8	21
9	Efficient and First Regio- and Stereoselective Direct C-glycosylation of a Flavanone Catalysed by $\text{Pr}(\text{OTf})_3$ Under Conventional Heating or Ultrasound Irradiation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1441-1447.	2.4	20
10	Easy and Stereoselective Approach to $\hat{1},\hat{2}$ -Unsaturated $\hat{3}$ -Lactones Fused to Pyranoses from Furanose Scaffolds. <i>Organic Letters</i> , 2007, 9, 3339-3341.	4.6	17
11	Synthesis of sugars embodying conjugated carbonyl systems and related triazole derivatives from carboxymethyl glycoside lactones. Evaluation of their antimicrobial activity and toxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 926-938.	3.0	16
12	Exploitation of new structurally diverse $\alpha$ -glucuronamide-containing N-glycosyl compounds: synthesis and anticancer potential. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4667-4680.	2.8	15
13	Synthesis and Biological Evaluation of Sugars Containing $\hat{1},\hat{2}$ -Unsaturated $\hat{3}$ -Lactones. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 6134-6143.	2.4	13
14	Zeolites and Other Silicon-Based Promoters in Carbohydrate Chemistry. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2010, 63, 29-99.	0.9	13
15	Synthetic Approaches to Novel Thiosugar Scaffolds Containing $\hat{1},\hat{2}$ -Unsaturated Carbonyl Groups. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4983-4991.	2.4	10
16	Self-organizing behaviour of glycosteroidal bolaphiles: insights into lipidic microsegregation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 783-792.	2.8	10
17	Enantioselective Synthesis in Carbohydrate-Based Drug Discovery: Imino Sugars, Alkaloids and Macrolide Antibiotics. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1235-1243.	2.1	10
18	Synthesis of glucopyranos-6-yl purine and pyrimidine isonucleosides as potential cholinesterase inhibitors. Access to pyrimidine-linked pseudodisaccharides through Mitsunobu reaction. <i>Pure and Applied Chemistry</i> , 2016, 88, 363-379.	1.9	9

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19	Furanosyl Nucleoside Analogues Embodying Triazole or Theobromine Units as Potential Lead Molecules for Alzheimer's Disease. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2667-2681.	2.4	8
20	Novel dodecyl-containing azido and glucuronamide-based nucleosides exhibiting anticancer potential. <i>Pure and Applied Chemistry</i> , 2019, 91, 1085-1105.	1.9	7
21	Electrospray ionization mass spectrometric analysis of newly synthesized $\alpha$ -unsaturated $\beta$ -lactones fused to sugars. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1049-1058.	1.5	6
22	Chapter 12. Triterpene/Steroid Glycoconjugates: Natural Occurrence, Synthesis and Biological Activities. <i>Carbohydrate Chemistry</i> , 2011, , 326-373.	0.3	6
23	Exploitation of Furanoid 5-Azido-2-Substituted Branched-Chain Sugars Towards Highly Functionalized Nitrogen-Containing Carbohydrate Derivatives. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 713-720.	2.4	5
24	Environmentally friendly approaches to the synthesis of new antibiotics from sugars. <i>Pure and Applied Chemistry</i> , 2012, 84, 803-816.	1.9	5
25	Synthesis and antiproliferative evaluation of novel azido nucleosides and their phosphoramidate derivatives. <i>Pure and Applied Chemistry</i> , 2017, 89, 1267-1281.	1.9	5
26	Synthesis and Exploitation of the Biological Profile of Novel Guanidino Xylofuranose Derivatives**. <i>ChemMedChem</i> , 2022, 17, .	3.2	5
27	Furanose-C $\alpha$ -linked $\beta$ -lactones: a combined ESI FTICR MS and semi-empirical calculations study. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1167-1178.	1.6	4
28	Synthesis and Biological Evaluation of Structurally Varied 5 $\beta$ -/6 $\beta$ -Isonucleosides and Theobromine-Containing N-Isonucleosidyl Derivatives. <i>Pharmaceuticals</i> , 2019, 12, 103.	3.8	4
29	Liquid crystalline glycosteroids and acyl steroid glycosides (ASG). <i>Liquid Crystals</i> , 0, , 1-19.	2.2	3
30	Synthesis of 1,5-Anhydro-d-glycero-d-gluco-heptitol Derivatives as Potential Inhibitors of Bacterial Heptose Biosynthetic Pathways. <i>Synthesis</i> , 2017, 49, 5320-5334.	2.3	2
31	Recent Advances on Nucleotide Analogs and Mimetics. , 2017, , .		2
32	Synthesis and Biological Properties of d-Glucuronamide-Containing Compounds. , 2019, , .		2
33	Synthesis of Triazole-Containing Furanosyl Nucleoside Analogues and Their Phosphate, Phosphoramidate or Phosphonate Derivatives as Potential Sugar Diphosphate or Nucleotide Mimetics. <i>ChemPlusChem</i> , 2020, 85, 1676-1691.	2.8	2
34	Special Issue "Carbohydrates 2018". <i>Pharmaceuticals</i> , 2020, 13, 5.	3.8	1
35	Editorial: Carbohydrate-Based Molecules in Medicinal Chemistry. <i>Frontiers in Chemistry</i> , 2021, 9, 655200.	3.6	1
36	Recent developments in synthetic methods for sugar phosphate analogs. , 2020, , 301-329.		0

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37	Microwave-Assisted Synthesis of N-Substituted 1-Azido Glucuronamides. , 2021, , 23-30.		0
38	Recent Advances in the Synthesis of N-Glycosyl Compounds. Advances in Organic Synthesis, 2018, , 99-138.	0.5	0
39	<i>In silico</i> design of halogenated carbohydrate mimetics as potential halogen-bonding ligands. , 0, , .		0
40	Carbohydrates 2018. , 2020, , .		0
41	Novel bioactive nucleoside and isonucleotide analogs of therapeutic interest. , 0, , .		0