

Amlia P Rauter, A P Rauter, A Rauter, A Pilar Rauter

List of Publications by Citations

Source:

<https://exaly.com/author-pdf/8995842/amelia-p-rauter-a-p-rauter-a-rauter-a-pilar-rauter-publications-by-citations.p>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148
papers

3,001
citations

33
h-index

47
g-index

187
ext. papers

3,425
ext. citations

3.7
avg, IF

4.95
L-index

#	Paper	IF	Citations
148	Halogenated compounds from marine algae. <i>Marine Drugs</i> , 2010 , 8, 2301-17	6	178
147	Antihyperglycaemic and protective effects of flavonoids on streptozotocin-induced diabetic rats. <i>Phytotherapy Research</i> , 2010 , 24 Suppl 2, S133-8	6.7	82
146	Phenolic composition and antioxidant activity of Rocha pear and other pear cultivars: A comparative study. <i>Journal of Functional Foods</i> , 2010 , 2, 153-157	5.1	76
145	Supercritical, ultrasound and conventional extracts from carob (<i>Ceratonia siliqua</i> L.) biomass: Effect on the phenolic profile and antiproliferative activity. <i>Industrial Crops and Products</i> , 2013 , 47, 132-138	5.9	74
144	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. <i>Food Chemistry</i> , 2012 , 131, 134-140	8.5	68
143	Oxazolinethiones and oxazolidinethiones for the first copper-catalyzed desulfurative cross-coupling reaction and first sonogashira applications. <i>Organic Letters</i> , 2008 , 10, 853-6	6.2	65
142	Natural compounds against Alzheimer's disease: molecular recognition of A β -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	4.5	62
141	In vitro antioxidant and anti-inflammatory properties of <i>Limonium algarvense</i> flowers' infusions and decoctions: A comparison with green tea (<i>Camellia sinensis</i>). <i>Food Chemistry</i> , 2016 , 200, 322-9	8.5	59
140	Polyphenols as acetylcholinesterase inhibitors: Structural specificity and impact on human disease. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2012 , 1, 99-111		57
139	A new method of acetonation with the zeolite HY as catalyst. Synthesis of O-Isopropylidene sugar derivatives. <i>Tetrahedron</i> , 1995 , 51, 6529-6540	2.4	53
138	Isolation and characterization of a stress-inducible <i>Dunaliella salina</i> Lcy-beta gene encoding a functional lycopene beta-cyclase. <i>Applied Microbiology and Biotechnology</i> , 2008 , 79, 819-28	5.7	52
137	Fatty acid composition and biological activities of <i>Isochrysis galbana</i> T-ISO, <i>Tetraselmis</i> sp. and <i>Scenedesmus</i> sp.: possible application in the pharmaceutical and functional food industries. <i>Journal of Applied Phycology</i> , 2014 , 26, 151-161	3.2	49
136	Phytochemical profile and anticholinesterase and antimicrobial activities of supercritical versus conventional extracts of <i>Satureja montana</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 11557-63	5.7	48
135	Unravelling the antioxidant potential and the phenolic composition of different anatomical organs of the marine halophyte <i>Limonium algarvense</i> . <i>Industrial Crops and Products</i> , 2015 , 77, 315-322	5.9	47
134	Efficient synthesis of α -unsaturated β -lactones linked to sugars. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 1131-1146		45
133	Supercritical carbon dioxide extraction of bioactive compounds from microalgae and volatile oils from aromatic plants. <i>Journal of Supercritical Fluids</i> , 2011 , 60, 21-27	4.2	44
132	Isololiolide, a carotenoid metabolite isolated from the brown alga <i>Cystoseira tamariscifolia</i> , is cytotoxic and able to induce apoptosis in hepatocarcinoma cells through caspase-3 activation, decreased Bcl-2 levels, increased p53 expression and PARP cleavage. <i>Phytomedicine</i> , 2016 , 23, 550-7	6.5	43

131	Antioxidants from aqueous decoction of carob pods biomass (<i>Ceretonia siliqua</i> L.): Optimisation using response surface methodology and phenolic profile by capillary electrophoresis. <i>Industrial Crops and Products</i> , 2013 , 44, 119-126	5.9	43
130	A new lupene triterpenetriol and anticholinesterase activity of <i>Salvia sclareoides</i> . <i>Phytotherapy Research</i> , 2007 , 21, 78, 474-81	3.2	42
129	Bridging Type 2 Diabetes and Alzheimer's Disease: Assembling the Puzzle Pieces in the Quest for the Molecules With Therapeutic and Preventive Potential. <i>Medicinal Research Reviews</i> , 2018 , 38, 261-324	14.4	41
128	Bioactivity studies and chemical profile of the antidiabetic plant <i>Genista tenera</i> . <i>Journal of Ethnopharmacology</i> , 2009 , 122, 384-93	5	40
127	Liquid chromatography-diode array detection-electrospray ionisation mass spectrometry/nuclear magnetic resonance analyses of the anti-hyperglycemic flavonoid extract of <i>Genista tenera</i> . Structure elucidation of a flavonoid-C-glycoside. <i>Journal of Chromatography A</i> , 2005 , 1089, 59-64	4.5	40
126	Design and synthesis of acetamido tri- and tetra-hydroxyazepanes: potent and selective beta-N-acetylhexosaminidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5598-604	3.4	38
125	Zeolites as efficient catalysts for key transformations in carbohydrate chemistry. <i>Journal of Molecular Catalysis A</i> , 2009 , 305, 84-89		37
124	Extraction of volatile oil from aromatic plants with supercritical carbon dioxide: experiments and modeling. <i>Molecules</i> , 2012 , 17, 10550-73	4.8	37
123	Carbohydrate-based lactones: synthesis and applications. <i>Topics in Current Chemistry</i> , 2010 , 295, 19-62		36
122	Targeting Type 2 Diabetes with C-Glucosyl Dihydrochalcones as Selective Sodium Glucose Co-Transporter 2 (SGLT2) Inhibitors: Synthesis and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 568-579	8.3	35
121	Capillary electrophoresis-mass spectrometry characterisation of secondary metabolites from the antihyperglycaemic plant <i>Genista tenera</i> . <i>Electrophoresis</i> , 2006 , 27, 2164-70	3.6	35
120	Synthesis of novel polyurethanes from sugars and 1,6-hexamethylene diisocyanate. <i>Carbohydrate Polymers</i> , 2001 , 45, 123-127	10.3	35
119	1,2-Glycerol Carbonate: A Versatile Renewable Synthone. <i>Letters in Organic Chemistry</i> , 2006 , 3, 744-748	0.6	34
118	Structural characterisation of flavonoids and flavonoid-O-glycosides extracted from <i>Genista tenera</i> by fast-atom bombardment tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 1760-7	2.2	34
117	Deoxygenation at C-4 and Stereospecific Branched-Chain Construction at C-3 of a Methyl Hexopyranuloside. Synthetic Approach to the Amipurimycin Sugar Moiety. <i>Journal of Organic Chemistry</i> , 1996 , 61, 3594-3598	4.2	34
116	Exploiting the therapeutic potential of 8- <i>O</i> -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, 9463-72	8.3	33
115	Non-toxic <i>Salvia sclareoides</i> Brot. extracts as a source of functional food ingredients: Phenolic profile, antioxidant activity and prion binding properties. <i>Food Chemistry</i> , 2012 , 132, 1930-1935	8.5	33
114	Bioactive humulene derivatives from <i>Asteriscus vogelii</i> . <i>Phytochemistry</i> , 2001 , 56, 167-71	4	33

113	Flavonoids from <i>Artemisia campestris</i> subsp. <i>maritima</i> . <i>Phytochemistry</i> , 1989 , 28, 2173-2175	4	30
112	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, 6641-9	4.8	29
111	gem-Difluorocarbasaccharides: restoring the exo-anomeric effect. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9597-602	16.4	28
110	Membrane-targeting antibiotics: recent developments outside the peptide space. <i>Future Medicinal Chemistry</i> , 2019 ,	4.1	27
109	Sugar-based enantiomeric and conformationally constrained pyrrolo[2,1-c][1,4]-benzodiazepines as potential GABAA ligands. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 1266-75	8.3	27
108	Sugars containing alpha,beta-unsaturated carbonyl systems: synthesis and their usefulness as scaffolds in carbohydrate chemistry. <i>Carbohydrate Research</i> , 2008 , 343, 1523-39	2.9	27
107	Synthesis, surface active and antimicrobial properties of new alkyl 2,6-dideoxy-L-arabino-hexopyranosides. <i>Carbohydrate Research</i> , 2005 , 340, 191-201	2.9	27
106	A "natural" approach: synthesis and cytotoxicity of monodesmosidic glycyrrhetic acid glycosides. <i>European Journal of Medicinal Chemistry</i> , 2014 , 72, 78-83	6.8	26
105	Nomenclature of flavonoids (IUPAC Recommendations 2017). <i>Pure and Applied Chemistry</i> , 2018 , 90, 1429-1486	26	26
104	<i>Botryococcus braunii</i> and <i>Nannochloropsis oculata</i> extracts inhibit cholinesterases and protect human dopaminergic SH-SY5Y cells from H ₂ O ₂ -induced cytotoxicity. <i>Journal of Applied Phycology</i> , 2015 , 27, 839-848	3.2	25
103	Broad bean (<i>Vicia faba</i> L.) pods: a rich source of bioactive ingredients with antimicrobial, antioxidant, enzyme inhibitory, anti-diabetic and health-promoting properties. <i>Food and Function</i> , 2018 , 9, 2051-2069	6.1	25
102	Fatty acid profile of different species of algae of the <i>Cystoseira</i> genus: a nutraceutical perspective. <i>Natural Product Research</i> , 2015 , 29, 1264-70	2.3	25
101	The marine halophytes <i>Carpobrotus edulis</i> L. and <i>Arthrocnemum macrostachyum</i> L. are potential sources of nutritionally important PUFAs and metabolites with antioxidant, metal chelating and anticholinesterase inhibitory activities. <i>Botanica Marina</i> , 2012 , 55,	1.8	25
100	Fries-type Reactions for the C-Glycosylation of Phenols. <i>Current Organic Chemistry</i> , 2011 , 15, 128-148	1.7	25
99	Stereochemical assignment and first synthesis of the core of miharamycin antibiotics. <i>Chemistry - A European Journal</i> , 2008 , 14, 10066-73	4.8	25
98	1,3-Oxazoline- and 1,3-oxazolidine-2-thiones as substrates in direct modified Stille and Suzuki cross-coupling. <i>Tetrahedron Letters</i> , 2008 , 49, 5583-5586	2	25
97	Bioactive Pseudo-C-nucleosides Containing Thiazole, Thiazolidinone, and Tetrazole Rings. <i>Journal of Carbohydrate Chemistry</i> , 2005 , 24, 275-296	1.7	25
96	gem-Difluoro-carbasugars, the cases of mannopyranose and galactopyranose. <i>Carbohydrate Research</i> , 2007 , 342, 1689-703	2.9	24

95	Synthesis of novel purine nucleosides towards a selective inhibition of human butyrylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5106-16	3.4	23
94	Can macroalgae provide promising anti-tumoral compounds? A closer look at <i>Cystoseira tamariscifolia</i> as a source for antioxidant and anti-hepatocarcinoma compounds. <i>PeerJ</i> , 2016 , 4, e1704	3.1	23
93	A phytochemical study of the quinolizidine alkaloids from <i>Genista tenera</i> by gas chromatography-mass spectrometry. <i>Phytochemical Analysis</i> , 2005 , 16, 264-6	3.4	22
92	Microwave-assisted synthesis of novel purine nucleosides as selective cholinesterase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2446-56	3.9	21
91	Acid zeolites as efficient catalysts for O- and S-glycosylation. <i>Journal of Molecular Catalysis A</i> , 2007 , 275, 206-213		20
90	Synthesis of β -Methylene- γ -Lactones in Furanosidic Systems. <i>Journal of Carbohydrate Chemistry</i> , 1987 , 6, 259-272	1.7	20
89	Unlocking the in vitro anti-inflammatory and antidiabetic potential of <i>Polygonum maritimum</i> . <i>Pharmaceutical Biology</i> , 2017 , 55, 1348-1357	3.8	19
88	Facile synthesis of oxo-/thioxopyrimidines and tetrazoles C-C linked to sugars as novel non-toxic antioxidant acetylcholinesterase inhibitors. <i>Carbohydrate Research</i> , 2012 , 347, 47-54	2.9	19
87	Einfache Synthesen von 5-Desoxy-hexofuranurono-6,3-lactonen. <i>Liebigs Annalen Der Chemie</i> , 1981 , 1981, 1768-1773		19
86	Construction of a branched chain at C-3 of a hexopyranoside. Synthesis of miharamycin sugar moiety analogs. <i>Carbohydrate Research</i> , 2000 , 325, 1-15	2.9	18
85	Efficient and First Regio- and Stereoselective Direct C-Glycosylation of a Flavanone Catalysed by Pr(OTf) ₃ Under Conventional Heating or Ultrasound Irradiation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1441-1447	3.2	17
84	Synthesis of 3-Fluoro-Oxetane β -Amino Acids. <i>Journal of Carbohydrate Chemistry</i> , 2009 , 28, 431-446	1.7	17
83	Synthesis of Purine Nucleosides from D-Glucuronic Acid Derivatives and Evaluation of Their Cholinesterase-Inhibitory Activities. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 2770-2779	3.2	16
82	Synthesis of tetrahydronaphthalene lignan esters by intramolecular cyclization of ethyl p-azidophenyl-2-phenylalkanoates and evaluation of the growth inhibition of human tumor cell lines. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 3175-87	8.3	16
81	Easy and stereoselective approach to α,β -unsaturated γ -lactones fused to pyranoses from furanose scaffolds. <i>Organic Letters</i> , 2007 , 9, 3339-41	6.2	16
80	Alkyl deoxy-arabino-hexopyranosides: synthesis, surface properties, and biological activities. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 4083-92	3.4	16
79	HSCN condensation with ulosides: preferred formation of carbohydrate-fused hemiaminals of the 4-hydroxy-1,3-oxazolidine-2-thione type. <i>Tetrahedron Letters</i> , 2008 , 49, 682-686	2	15
78	Reactions of N-, S- and O-Nucleophiles with 3,4,6-Tri-O-benzyl-D-glucal Mediated by Triphenylphosphane Hydrobromide versus Those with HY Zeolite. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 2429-2439	3.2	15

77	Sugar-based bactericides targeting phosphatidylethanolamine-enriched membranes. <i>Nature Communications</i> , 2018 , 9, 4857	17.4	15
76	Conformational Plasticity in Glycomimetics: Fluorocarbamethyl-L-idopyranosides Mimic the Intrinsic Dynamic Behaviour of Natural Idose Rings. <i>Chemistry - A European Journal</i> , 2015 , 21, 10513-21	4.8	13
75	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, 926-38	3.4	13
74	In vitro antitumoral activity of compounds isolated from <i>Artemisia gorgonum</i> Webb. <i>Phytotherapy Research</i> , 2014 , 28, 1329-34	6.7	12
73	Direct experimental evidence for the high chemical reactivity of β - and γ -lactones adopting a (2,5) <i>B</i> conformation in glycosyl transfer. <i>Chemistry - A European Journal</i> , 2011 , 17, 7345-56	4.8	12
72	Zeolites and other silicon-based promoters in carbohydrate chemistry. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2010 , 63, 29-99	3.7	12
71	Synthesis and Biological Evaluation of Sugars Containing β -Unsaturated β -Lactones. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 6134-6143	3.2	12
70	SYNTHETIC APPROACH TO TETRAHYDROFURAN UNITS AND FIVE-MEMBERED RING LACTONES FUSED TO HEXOPYRANOSIDES *. <i>Journal of Carbohydrate Chemistry</i> , 2002 , 21, 257-273	1.7	12
69	Synthetic, Fungicidal Unsaturated- β -Lactones Attached to Furanosidic Systems. Configurational Determination by Nuclear Overhauser Effect1. <i>Journal of Carbohydrate Chemistry</i> , 1995 , 14, 929-948	1.7	12
68	Synthesis of pseudo-C-nucleosides. <i>Carbohydrate Research</i> , 1989 , 188, 19-24	2.9	12
67	An overview of key routes for the transformation of sugars into carbasugars and related compounds. <i>Carbohydrate Chemistry</i> , 2012 , 263-302	3	11
66	Oxetane β -Amino Acids: Chemoenzymatic Synthesis of 2,4-Anhydro-5-N-(<i>t</i> -butoxycarbonyl)amino-D-lyxonic Acid. <i>Journal of Carbohydrate Chemistry</i> , 2006 , 25, 187-196	1.7	11
65	Synthesis of New Pseudo-C-Nucleosides Containing Pyrazole Rings in their Structure. <i>Journal of Carbohydrate Chemistry</i> , 2004 , 23, 513-528	1.7	11
64	A Novel Deoxygenation of Hydroxy Groups Activated by a Vicinal Carbonyl Group via Reaction with Ph ₃ P/I ₂ /Imidazole. <i>Journal of Carbohydrate Chemistry</i> , 1998 , 17, 1037-1045	1.7	11
63	Wittig Reaction: Domino Olefination and Stereoselectivity DFT Study. Synthesis of the Miharamycins' Bicyclic Sugar Moiety. <i>Organic Letters</i> , 2015 , 17, 5622-5	6.2	10
62	Synthesis of 3-Methoxyoxetane β -Amino Acids with D-lyxo, D-ribo, and D-arabino Configurations. <i>Journal of Carbohydrate Chemistry</i> , 2008 , 27, 172-187	1.7	10
61	Sugar derivatives containing oxiranes and α,β -unsaturated γ -lactones as potential environmentally friendly insecticides. <i>Pest Management Science</i> , 2005 , 61, 985-90	4.6	10
60	First synthesis of 5-fluoro-(+)-MK7607, its 1-epimer and 6-deoxy derivative. <i>Tetrahedron Letters</i> , 2008 , 49, 5548-5550	2	9

59	New antitumor 6-chloropurine nucleosides inducing apoptosis and G2/M cell cycle arrest. <i>European Journal of Medicinal Chemistry</i> , 2015 , 90, 595-602	6.8	8
58	In vitro and in vivo biological properties of pea pods (<i>Pisum sativum</i> L.). <i>Food Bioscience</i> , 2019 , 32, 100482	7.9	8
57	Libraries on Oxetane β -Amino Acid Scaffolds: Syntheses and Evaluation of Physicochemical and Metabolic Properties. <i>Journal of Carbohydrate Chemistry</i> , 2011 , 30, 498-548	1.7	8
56	Synthetic Approaches to Novel Thiosugar Scaffolds Containing β -Unsaturated Carbonyl Groups. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 4983-4991	3.2	8
55	Thionocarbamates on carbohydrate scaffolds from synthesis to bioactivity. <i>Carbohydrate Chemistry</i> , 127-172	3	8
54	Enantioselective synthesis in carbohydrate-based drug discovery: imino sugars, alkaloids and macrolide antibiotics. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 1235-43	3	8
53	NutriLive: An Integrated Nutritional Approach as a Sustainable Tool to Prevent Malnutrition in Older People and Promote Active and Healthy Ageing The EIP-AHA Nutrition Action Group. <i>Advances in Public Health</i> , 2016 , 2016, 1-9	2.5	8
52	N-Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazole-2(3H)-thione Moieties. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 7941-7951	3.2	7
51	Healthcare Recommendations from the Personalised ICT Supported Service for Independent Living and Active Ageing (PERSSILAA) Study 2017 ,		7
50	Synthesis and effects of flavonoid structure variation on amyloid- β aggregation. <i>Pure and Applied Chemistry</i> , 2017 , 89, 1305-1320	2.1	6
49	Tuning the Bioactivity of Tensioactive Deoxy Glycosides to Structure: Antibacterial Activity Versus Selective Cholinesterase Inhibition Rationalized by Molecular Docking. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1448-1459	3.2	6
48	Exploring Anti-Prion Glyco-Based and Aromatic Scaffolds: A Chemical Strategy for the Quality of Life. <i>Molecules</i> , 2017 , 22,	4.8	6
47	Controlled Garegg Conditions for Selective Iodination on Pyranose Templates. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 2286-2292	3.2	6
46	Synthesis of Phenylseleno Sugars from Epoxides and of β -Unsaturated Carbonyl Derivatives for the Study of Their Insecticidal Activity. <i>Journal of Carbohydrate Chemistry</i> , 2004 , 23, 239-251	1.7	6
45	A novel pentacyclic triterpene from <i>Leontodon filii</i> . <i>Phytotherapy</i> 2005 , 76, 173-80	3.2	6
44	Reaktionen der D-Glucuronsäure, XVI Versuche zur Verzweigung von Hexofuranurono-6,3-lactonen; Synthese von 5-Desoxy-1,2-O-isopropyliden-5-C-methylen- β -xylo- hexofuranurono-6,3-lacton. <i>Liebigs Annalen Der Chemie</i> , 1982 , 1982, 2231-2237		6
43	Revisiting Wittig Olefination and Aza-Wittig Reaction for Carbohydrate Transformations and Stereocontrol in Sugar Chemistry. <i>Current Organic Chemistry</i> , 2014 , 18, 1731-1748	1.7	6
42	Carbohydrate Chemistry. <i>Carbohydrate Chemistry</i> , 2010 ,	3	6

41	Discovery of N-methylpiperazinyl flavones as a novel class of compounds with therapeutic potential against Alzheimer's disease: synthesis, binding affinity towards amyloid β oligomers (A β) and ability to disrupt A β -PrPC interactions. <i>Pure and Applied Chemistry</i> , 2019 , 91, 1107-1136	2.1	4
40	Assessing the Optimal Deoxygenation Pattern of Dodecyl Glycosides for Antimicrobial Activity Against Bacillus anthracis. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 2224-2233	3.2	4
39	Design and Synthesis of CNS-targeted Flavones and Analogues with Neuroprotective Potential Against HO- and A β -Induced Toxicity in SH-SY5Y Human Neuroblastoma Cells. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	4
38	Exploitation of Furanoid 5-Azido-3-C-Branched-Chain Sugars Towards Highly Functionalized Nitrogen-Containing Carbohydrate Derivatives. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 713-720	3.2	4
37	Selective iodination of vicinal cis-diols on ketopyranose templates. <i>Tetrahedron Letters</i> , 2010 , 51, 4602-4604	4	4
36	Electrospray ionization mass spectrometric analysis of newly synthesized alpha,beta-unsaturated gamma-lactones fused to sugars. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1049-58	2.2	4
35	Sugar bislactones by one-step oxidative dimerisation with pyridinium chlorochromate versus regioselective oxidation of vicinal diols. <i>Carbohydrate Research</i> , 2004 , 339, 1889-97	2.9	4
34	ICT-Supported Interventions Targeting Pre-frailty: Healthcare Recommendations from the Personalised ICT Supported Service for Independent Living and Active Ageing (PERSSILAA) Study. <i>Communications in Computer and Information Science</i> , 2018 , 69-92	0.3	4
33	Chapter 12:Triterpene/Steroid Glycoconjugates: Natural Occurrence, Synthesis and Biological Activities. <i>Carbohydrate Chemistry</i> , 2011 , 326-373	3	4
32	Chapter 8:Carbohydrates and Glycomimetics in Alzheimer's Disease Therapeutics and Diagnosis. <i>RSC Drug Discovery Series</i> , 2015 , 180-208	0.6	3
31	Synthesis and Antimicrobial Evaluation of Oxazole-2(3H)-thione and 2-Alkylsulfanyl-1,3-oxazole Derivatives. <i>Heterocycles</i> , 2014 , 88, 1013	0.8	3
30	Environmentally friendly approaches to the synthesis of new antibiotics from sugars. <i>Pure and Applied Chemistry</i> , 2012 , 84, 803-816	2.1	3
29	Synthesis of carbohydrate-based artificial siderophores and their biological applications. <i>Carbohydrate Chemistry</i> , 2012 , 398-415	3	3
28	Furanose C-C-linked β -lactones: a combined ESI FTICR MS and semi-empirical calculations study. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 1167-78	2.2	3
27	C-Glycosylflavonoids: Identification, Bioactivity and Synthesis. <i>Natural Product Communications</i> , 2007 , 2, 1934578X0700201	0.9	3
26	Aromatic or Chiral Heterocycle - Balance between 1,3-Oxazoline-2-thione and 1,3-Oxazolidine-2-thione. <i>Synlett</i> , 2006 , 2006, 301-305	2.2	3
25	A new dihydroxysterol from the marine phytoplankton Diacronema sp. <i>Floterapia</i> , 2005 , 76, 433-8	3.2	3
24	Mass spectrometric study of new β -methylene-lactone carbohydrate derivatives. <i>Biological Mass Spectrometry</i> , 1988 , 16, 399-402		3

23	Glucosylpolyphenols as Inhibitors of A β -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	8.3	3
22	An easy approach to dihydrochalcones via chalcone in situ hydrogenation. <i>Pure and Applied Chemistry</i> , 2016 , 88, 349-361	2.1	3
21	C-Glucosylation as a tool for the prevention of PAINS-induced membrane dipole potential alterations. <i>Scientific Reports</i> , 2021 , 11, 4443	4.9	3
20	Resolvins, Protectins, and Maresins: DHA-Derived Specialized Pro-Resolving Mediators, Biosynthetic Pathways, Synthetic Approaches, and Their Role in Inflammation.. <i>Molecules</i> , 2022 , 27,	4.8	3
19	New In Vitro Studies on the Bioprofile of Genista tenera Antihyperglycemic Extract. <i>Natural Products and Bioprospecting</i> , 2015 , 5, 277	4.9	2
18	Flower Colour and Essential Oil Composition in Erica australis L. Grown in Portugal. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016 , 19, 1013-1018	1.7	2
17	Proximate biochemical composition and mineral content of edible species from the genus Cystoseira in Portugal. <i>Botanica Marina</i> , 2016 ,	1.8	2
16	Digestibility and Bioavailability of the Active Components of Erica australis L. Aqueous Extracts and Their Therapeutic Potential as Acetylcholinesterase Inhibitors. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 854373	2.3	2
15	Total Synthesis of the Epimer at C-6? of the Miharamycin B Framework. <i>Synlett</i> , 2009 , 2009, 1269-1272	2.2	2
14	Nucleobase coupling by Mitsunobu reaction towards nucleoside analogs. <i>Arkivoc</i> , 2021 , 2021, 241-267	0.9	2
13	Recent Advances on SGLT2 Inhibitors: Synthetic Approaches, Therapeutic Benefits, and Adverse Events 2021 , 111-157		2
12	Rules for abbreviation of protecting groups (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2012 , 85, 307-313	2.1	1
11	Quinolizidine alkaloid profiles of two taxa of Teline maderensis. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2003 , 58, 776-8	1.7	1
10	Papain Inhibition by New β -Methylene- γ -Lactone Carbohydrate Derivatives 1988 , 305-311		1
9	Amyloid binding and beyond: a new approach for Alzheimer's disease drug discovery targeting A β -PrP binding and downstream pathways. <i>Chemical Science</i> , 2021 , 12, 3768-3785	9.4	1
8	2-Deoxyglycosylation towards more effective and bioavailable neuroprotective molecules inspired by nature. <i>Pure and Applied Chemistry</i> , 2019 , 91, 1209-1221	2.1	0
7	Phytochemical Characterization and Biological Evaluation of the Aqueous and Supercritical Fluid Extracts from Salvia sclareoides Brot. <i>Open Chemistry</i> , 2017 , 15, 82-91	1.6	
6	Domino Reactions Toward Carbohydrate Frameworks for Applications Across Biology and Medicine 2016 , 76-96		

- 5 19th European Symposium on Organic Chemistry (ESOC-19). *Pure and Applied Chemistry*, **2016**, 88, 307-308
- 4 XXVIII International Carbohydrate Symposium (ICS-28). *Pure and Applied Chemistry*, **2017**, 89, 853-854 2.1
- 3 Structure of an β -methylene- β -lactone sugar derivative. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 182-184
- 2 ICS-29: The 29th International Carbohydrate Symposium. *Pure and Applied Chemistry*, **2019**, 91, 1439-1440.1
- 1 Chemical Approaches Towards Neurodegenerative Disease Prevention: The Role of Coupling Sugars to Phenolic Biomolecular Entities **2018**, 167-194