

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

## List of Publications by Year in Descending Order

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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	Resolvins, Protectins, and Maresins: DHA-Derived Specialized Pro-Resolving Mediators, Biosynthetic Pathways, Synthetic Approaches, and Their Role in Inflammation.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	3
147	Nucleobase coupling by Mitsunobu reaction towards nucleoside analogs. <i>Arkivoc</i> , <b>2021</b> , 2021, 241-267	0.9	2
146	Recent Advances on SGLT2 Inhibitors: Synthetic Approaches, Therapeutic Benefits, and Adverse Events <b>2021</b> , 111-157		2
145	C-Glycosylation as a tool for the prevention of PAINS-induced membrane dipole potential alterations. <i>Scientific Reports</i> , <b>2021</b> , 11, 4443	4.9	3
144	Amyloid binding and beyond: a new approach for Alzheimer's disease drug discovery targeting A $\beta$ -PrP binding and downstream pathways. <i>Chemical Science</i> , <b>2021</b> , 12, 3768-3785	9.4	1
143	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> , <b>2020</b> , 63, 11663-11690	8.3	3
142	2-Deoxyglycosylation towards more effective and bioavailable neuroprotective molecules inspired by nature. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 1209-1221	2.1	0
141	Discovery of N-methylpiperazinyl flavones as a novel class of compounds with therapeutic potential against Alzheimer's disease: synthesis, binding affinity towards amyloid oligomers (A $\beta$ ) and ability to disrupt A $\beta$ -PrPC interactions. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 1107-1136	2.1	4
140	Membrane-targeting antibiotics: recent developments outside the peptide space. <i>Future Medicinal Chemistry</i> , <b>2019</b> ,	4.1	27
139	Assessing the Optimal Deoxygenation Pattern of Dodecyl Glycosides for Antimicrobial Activity Against Bacillus anthracis. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 2224-2233	3.2	4
138	Design and Synthesis of CNS-targeted Flavones and Analogues with Neuroprotective Potential Against HO- and A $\beta$ -Induced Toxicity in SH-SY5Y Human Neuroblastoma Cells. <i>Pharmaceuticals</i> , <b>2019</b> , 12,	5.2	4
137	In vitro and in vivo biological properties of pea pods (Pisum sativum L.). <i>Food Bioscience</i> , <b>2019</b> , 32, 100482.	2.9	8
136	ICS-29: The 29th International Carbohydrate Symposium. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 1439-1440.	1	
135	Broad bean (Vicia faba L.) pods: a rich source of bioactive ingredients with antimicrobial, antioxidant, enzyme inhibitory, anti-diabetic and health-promoting properties. <i>Food and Function</i> , <b>2018</b> , 9, 2051-2069	6.1	25
134	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> , <b>2018</b> , 38, 261-324	14.4	41
133	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> , <b>2018</b> , 69-92	0.3	4
132	Chemical Approaches Towards Neurodegenerative Disease Prevention: The Role of Coupling Sugars to Phenolic Biomolecular Entities <b>2018</b> , 167-194		

131	Sugar-based bactericides targeting phosphatidylethanolamine-enriched membranes. <i>Nature Communications</i> , <b>2018</b> , 9, 4857	17.4	15
130	Nomenclature of flavonoids (IUPAC Recommendations 2017). <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 1429-1486	2.6	26
129	Synthesis and effects of flavonoid structure variation on amyloid- $\beta$ aggregation. <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 1305-1320	2.1	6
128	Phytochemical Characterization and Biological Evaluation of the Aqueous and Supercritical Fluid Extracts from <i>Salvia sclareoides</i> Brot. <i>Open Chemistry</i> , <b>2017</b> , 15, 82-91	1.6	
127	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> , <b>2017</b> , 60, 568-579	8.3	35
126	Unlocking the in vitro anti-inflammatory and antidiabetic potential of <i>Polygonum maritimum</i> . <i>Pharmaceutical Biology</i> , <b>2017</b> , 55, 1348-1357	3.8	19
125	XXVIII International Carbohydrate Symposium (ICS-28). <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 853-854	2.1	
124	Exploring Anti-Prion Glyco-Based and Aromatic Scaffolds: A Chemical Strategy for the Quality of Life. <i>Molecules</i> , <b>2017</b> , 22,	4.8	6
123	Healthcare Recommendations from the Personalised ICT Supported Service for Independent Living and Active Ageing (PERSSILAA) Study <b>2017</b> ,		7
122	Flower Colour and Essential Oil Composition in <i>Erica australis</i> L. Grown in Portugal. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , <b>2016</b> , 19, 1013-1018	1.7	2
121	Proximate biochemical composition and mineral content of edible species from the genus <i>Cystoseira</i> in Portugal. <i>Botanica Marina</i> , <b>2016</b> ,	1.8	2
120	Domino Reactions Toward Carbohydrate Frameworks for Applications Across Biology and Medicine <b>2016</b> , 76-96		
119	19th European Symposium on Organic Chemistry (ESOC-19). <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 307-308	3.0	8
118	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> , <b>2016</b> , 200, 322-9	8.5	59
117	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> , <b>2016</b> , 23, 550-7	6.5	43
116	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> , <b>2016</b> , 2016, 1-9	2.5	8
115	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> , <b>2016</b> , 4, e1704	3.1	23
114	An easy approach to dihydrochalcones via chalcone in situ hydrogenation. <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 349-361	2.1	3

113	Chapter 8:Carbohydrates and Glycomimetics in Alzheimer's Disease Therapeutics and Diagnosis. <i>RSC Drug Discovery Series</i> , <b>2015</b> , 180-208	0.6	3
112	New In Vitro Studies on the Bioprofile of Genista tenera Antihyperglycemic Extract. <i>Natural Products and Bioprospecting</i> , <b>2015</b> , 5, 277	4.9	2
111	Unravelling the antioxidant potential and the phenolic composition of different anatomical organs of the marine halophyte Limonium algarvense. <i>Industrial Crops and Products</i> , <b>2015</b> , 77, 315-322	5.9	47
110	Wittig Reaction: Domino Olefination and Stereoselectivity DFT Study. Synthesis of the Miharamycins' Bicyclic Sugar Moiety. <i>Organic Letters</i> , <b>2015</b> , 17, 5622-5	6.2	10
109	New antitumor 6-chloropurine nucleosides inducing apoptosis and G2/M cell cycle arrest. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 90, 595-602	6.8	8
108	Botryococcus braunii and Nannochloropsis oculata extracts inhibit cholinesterases and protect human dopaminergic SH-SY5Y cells from H2O2-induced cytotoxicity. <i>Journal of Applied Phycology</i> , <b>2015</b> , 27, 839-848	3.2	25
107	Conformational Plasticity in Glycomimetics: Fluorocarbamethyl-L-idopyranosides Mimic the Intrinsic Dynamic Behaviour of Natural Idose Rings. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10513-21	4.8	13
106	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> , <b>2015</b> , 2015, 854373	2.3	2
105	Fatty acid profile of different species of algae of the Cystoseira genus: a nutraceutical perspective. <i>Natural Product Research</i> , <b>2015</b> , 29, 1264-70	2.3	25
104	In vitro antitumoral activity of compounds isolated from Artemisia gorgonum Webb. <i>Phytotherapy Research</i> , <b>2014</b> , 28, 1329-34	6.7	12
103	Synthesis of Purine Nucleosides from D-Glucuronic Acid Derivatives and Evaluation of Their Cholinesterase-Inhibitory Activities. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 2770-2779	3.2	16
102	A "natural" approach: synthesis and cytotoxicity of monodesmosidic glycyrrhetic acid glycosides. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 72, 78-83	6.8	26
101	Exploiting the therapeutic potential of 8- $\beta$ -glucopyranosylgenistein: synthesis, antidiabetic activity, and molecular interaction with islet amyloid polypeptide and amyloid $\beta$ peptide (1-42). <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 9463-72	8.3	33
100	Microwave-assisted synthesis of novel purine nucleosides as selective cholinesterase inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 2446-56	3.9	21
99	gem-Difluorocarbadisaccharides: restoring the exo-anomeric effect. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9597-602	16.4	28
98	Synthesis and Antimicrobial Evaluation of Oxazole-2(3H)-thione and 2-Alkylsulfanyl-1,3-oxazole Derivatives. <i>Heterocycles</i> , <b>2014</b> , 88, 1013	0.8	3
97	Fatty acid composition and biological activities of Isochrysis galbana T-ISO, Tetraselmis sp. and Scenedesmus sp.: possible application in the pharmaceutical and functional food industries. <i>Journal of Applied Phycology</i> , <b>2014</b> , 26, 151-161	3.2	49
96	Revisiting Wittig Olefination and Aza-Wittig Reaction for Carbohydrate Transformations and Stereocontrol in Sugar Chemistry. <i>Current Organic Chemistry</i> , <b>2014</b> , 18, 1731-1748	1.7	6

95	Enantioselective synthesis in carbohydrate-based drug discovery: imino sugars, alkaloids and macrolide antibiotics. <i>Current Topics in Medicinal Chemistry</i> , <b>2014</b> , 14, 1235-43	3	8
94	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> , <b>2013</b> , 47, 132-138	5.9	74
93	Natural compounds against Alzheimer's disease: molecular recognition of A $\beta$ -42 peptide by <i>Salvia sclareoides</i> extract and its major component, rosmarinic acid, as investigated by NMR. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 596-602	4.5	62
92	Antioxidants from aqueous decoction of carob pods biomass ( <i>Ceratonia siliqua</i> L.): Optimisation using response surface methodology and phenolic profile by capillary electrophoresis. <i>Industrial Crops and Products</i> , <b>2013</b> , 44, 119-126	5.9	43
91	Efficient and First Regio- and Stereoselective Direct C-Glycosylation of a Flavanone Catalysed by Pr(OTf) <sub>3</sub> Under Conventional Heating or Ultrasound Irradiation. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 1441-1447	3.2	17
90	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> , <b>2013</b> , 2013, 1448-1459	3.2	6
89	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> , <b>2013</b> , 19, 6641-9	4.8	29
88	N-Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazole-2(3H)-thione Moieties. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 7941-7951	3.2	7
87	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> , <b>2012</b> , 55,	1.8	25
86	Facile synthesis of oxo-/thioxopyrimidines and tetrazoles C-C linked to sugars as novel non-toxic antioxidant acetylcholinesterase inhibitors. <i>Carbohydrate Research</i> , <b>2012</b> , 347, 47-54	2.9	19
85	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. <i>Food Chemistry</i> , <b>2012</b> , 131, 134-140	8.5	68
84	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> , <b>2012</b> , 132, 1930-1935	8.5	33
83	Rules for abbreviation of protecting groups (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2012</b> , 85, 307-313	2.1	1
82	Environmentally friendly approaches to the synthesis of new antibiotics from sugars. <i>Pure and Applied Chemistry</i> , <b>2012</b> , 84, 803-816	2.1	3
81	Polyphenols as acetylcholinesterase inhibitors: Structural specificity and impact on human disease. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , <b>2012</b> , 1, 99-111		57
80	Synthesis of carbohydrate-based artificial siderophores and their biological applications. <i>Carbohydrate Chemistry</i> , <b>2012</b> , 398-415	3	3
79	An overview of key routes for the transformation of sugars into carbasugars and related compounds. <i>Carbohydrate Chemistry</i> , <b>2012</b> , 263-302	3	11
78	Extraction of volatile oil from aromatic plants with supercritical carbon dioxide: experiments and modeling. <i>Molecules</i> , <b>2012</b> , 17, 10550-73	4.8	37

77	Sugar-based enantiomeric and conformationally constrained pyrrolo[2,1-c][1,4]-benzodiazepines as potential GABAA ligands. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 1266-75	8.3	27
76	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> , <b>2011</b> , 54, 3175-87	8.3	16
75	Fries-type Reactions for the C-Glycosylation of Phenols. <i>Current Organic Chemistry</i> , <b>2011</b> , 15, 128-148	1.7	25
74	Supercritical carbon dioxide extraction of bioactive compounds from microalgae and volatile oils from aromatic plants. <i>Journal of Supercritical Fluids</i> , <b>2011</b> , 60, 21-27	4.2	44
73	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> , <b>2011</b> , 19, 926-38	3.4	13
72	Exploitation of Furanoid 5-Azido-3-C-Branched-Chain Sugars Towards Highly Functionalized Nitrogen-Containing Carbohydrate Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 713-720	3.2	4
71	Controlled Garegg Conditions for Selective Iodination on Pyranose Templates. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 2286-2292	3.2	6
70	Direct experimental evidence for the high chemical reactivity of $\beta$ and $\delta$ xylopyranosides adopting a (2,5) $\beta$ conformation in glycosyl transfer. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 7345-56	4.8	12
69	Libraries on Oxetane $\beta$ -Amino Acid Scaffolds: Syntheses and Evaluation of Physicochemical and Metabolic Properties. <i>Journal of Carbohydrate Chemistry</i> , <b>2011</b> , 30, 498-548	1.7	8
68	Chapter 12:Triterpene/Steroid Glycoconjugates: Natural Occurrence, Synthesis and Biological Activities. <i>Carbohydrate Chemistry</i> , <b>2011</b> , 326-373	3	4
67	Carbohydrate-based lactones: synthesis and applications. <i>Topics in Current Chemistry</i> , <b>2010</b> , 295, 19-62		36
66	Zeolites and other silicon-based promoters in carbohydrate chemistry. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , <b>2010</b> , 63, 29-99	3.7	12
65	Halogenated compounds from marine algae. <i>Marine Drugs</i> , <b>2010</b> , 8, 2301-17	6	178
64	Furanose C-C-linked $\beta$ -lactones: a combined ESI FTICR MS and semi-empirical calculations study. <i>Journal of Mass Spectrometry</i> , <b>2010</b> , 45, 1167-78	2.2	3
63	Phenolic composition and antioxidant activity of Rocha pear and other pear cultivars $\beta$ -A comparative study. <i>Journal of Functional Foods</i> , <b>2010</b> , 2, 153-157	5.1	76
62	Selective iodination of vicinal cis-diols on ketopyranose templates. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 4602-4604		4
61	Antihyperglycaemic and protective effects of flavonoids on streptozotocin-induced diabetic rats. <i>Phytotherapy Research</i> , <b>2010</b> , 24 Suppl 2, S133-8	6.7	82
60	Electrospray ionization mass spectrometric analysis of newly synthesized alpha,beta-unsaturated gamma-lactones fused to sugars. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1049-58	2.2	4

59	Carbohydrate Chemistry. <i>Carbohydrate Chemistry</i> , <b>2010</b> ,	3	6
58	Total Synthesis of the Epimer at C-6? of the Miharamycin B Framework. <i>Synlett</i> , <b>2009</b> , 2009, 1269-1272	2.2	2
57	Synthetic Approaches to Novel Thiosugar Scaffolds Containing $\beta$ -Unsaturated Carbonyl Groups. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 4983-4991	3.2	8
56	Zeolites as efficient catalysts for key transformations in carbohydrate chemistry. <i>Journal of Molecular Catalysis A</i> , <b>2009</b> , 305, 84-89		37
55	Synthesis of novel purine nucleosides towards a selective inhibition of human butyrylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 5106-16	3.4	23
54	Design and synthesis of acetamido tri- and tetra-hydroxyazepanes: potent and selective beta-N-acetylhexosaminidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 5598-604	3.4	38
53	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> , <b>2009</b> , 57, 11557-63	5.7	48
52	Synthesis of 3-Fluoro-Oxetane $\beta$ -Amino Acids. <i>Journal of Carbohydrate Chemistry</i> , <b>2009</b> , 28, 431-446	1.7	17
51	Bioactivity studies and chemical profile of the antidiabetic plant <i>Genista tenera</i> . <i>Journal of Ethnopharmacology</i> , <b>2009</b> , 122, 384-93	5	40
50	Oxazolinethiones and oxazolidinethiones for the first copper-catalyzed desulfurative cross-coupling reaction and first sonogashira applications. <i>Organic Letters</i> , <b>2008</b> , 10, 853-6	6.2	65
49	Synthesis of 3-Methoxyoxetane $\beta$ -Amino Acids with D-lyxo, D-ribo, and D-arabino Configurations. <i>Journal of Carbohydrate Chemistry</i> , <b>2008</b> , 27, 172-187	1.7	10
48	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> , <b>2008</b> , 79, 819-28	5.7	52
47	Stereochemical assignment and first synthesis of the core of miharamycin antibiotics. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10066-73	4.8	25
46	Synthesis and Biological Evaluation of Sugars Containing $\beta$ -Unsaturated $\beta$ -Lactones. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 6134-6143	3.2	12
45	Alkyl deoxy-arabino-hexopyranosides: synthesis, surface properties, and biological activities. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 4083-92	3.4	16
44	Sugars containing alpha,beta-unsaturated carbonyl systems: synthesis and their usefulness as scaffolds in carbohydrate chemistry. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1523-39	2.9	27
43	HSCN condensation with ulosides: preferred formation of carbohydrate-fused hemiaminals of the 4-hydroxy-1,3-oxazolidine-2-thione type. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 682-686	2	15
42	1,3-Oxazoline- and 1,3-oxazolidine-2-thiones as substrates in direct modified Stille and Suzuki cross-coupling. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 5583-5586	2	25

41	First synthesis of 5-fluoro-(+)-MK7607, its 1-epimer and 6-deoxy derivative. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 5548-5550	2	9
40	Easy and stereoselective approach to alpha,beta-unsaturated gamma-lactones fused to pyranoses from furanose scaffolds. <i>Organic Letters</i> , <b>2007</b> , 9, 3339-41	6.2	16
39	C-Glycosylflavonoids: Identification, Bioactivity and Synthesis. <i>Natural Product Communications</i> , <b>2007</b> , 2, 1934578X0700201	0.9	3
38	A new lupene triterpenetriol and anticholinesterase activity of <i>Salvia sclareoides</i> . <i>Phytotherapy Research</i> , <b>2007</b> , 78, 474-81	3.2	42
37	gem-Difluoro-carbasugars, the cases of mannopyranose and galactopyranose. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 1689-703	2.9	24
36	Acid zeolites as efficient catalysts for O- and S-glycosylation. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 275, 206-213		20
35	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> , <b>2006</b> , 2006, 2429-2439	3.2	15
34	Capillary electrophoresis-mass spectrometry characterisation of secondary metabolites from the antihyperglycaemic plant <i>Genista tenera</i> . <i>Electrophoresis</i> , <b>2006</b> , 27, 2164-70	3.6	35
33	Aromatic or Chiral Heterocycle - Balance between 1,3-Oxazoline-2-thione and 1,3-Oxazolidine-2-thione. <i>Synlett</i> , <b>2006</b> , 2006, 301-305	2.2	3
32	Oxetane $\beta$ -Amino Acids: Chemoenzymatic Synthesis of 2,4-Anhydro-5-N-(t-butoxycarbonyl)amino-D-lyxononic Acid. <i>Journal of Carbohydrate Chemistry</i> , <b>2006</b> , 25, 187-196	1.7	11
31	1,2-Glycerol Carbonate: A Versatile Renewable Synthone. <i>Letters in Organic Chemistry</i> , <b>2006</b> , 3, 744-748	0.6	34
30	Bioactive Pseudo-C-nucleosides Containing Thiazole, Thiazolidinone, and Tetrazole Rings. <i>Journal of Carbohydrate Chemistry</i> , <b>2005</b> , 24, 275-296	1.7	25
29	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> , <b>2005</b> , 1089, 59-64	4.5	40
28	A novel pentacyclic triterpene from <i>Leontodon filii</i> . <i>Phytotherapy Research</i> , <b>2005</b> , 76, 173-80	3.2	6
27	A new dihydroxysterol from the marine phytoplankton <i>Diacronema</i> sp. <i>Phytotherapy Research</i> , <b>2005</b> , 76, 433-8	3.2	3
26	Synthesis, surface active and antimicrobial properties of new alkyl 2,6-dideoxy-L-arabino-hexopyranosides. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 191-201	2.9	27
25	A phytochemical study of the quinolizidine alkaloids from <i>Genista tenera</i> by gas chromatography-mass spectrometry. <i>Phytochemical Analysis</i> , <b>2005</b> , 16, 264-6	3.4	22
24	Sugar derivatives containing oxiranes and alpha,beta-unsaturated gamma-lactones as potential environmentally friendly insecticides. <i>Pest Management Science</i> , <b>2005</b> , 61, 985-90	4.6	10



23	Synthesis of Phenylseleno Sugars from Epoxides and of $\beta$ -Unsaturated Carbonyl Derivatives for the Study of Their Insecticidal Activity. <i>Journal of Carbohydrate Chemistry</i> , <b>2004</b> , 23, 239-251	1.7	6
22	Sugar bislactones by one-step oxidative dimerisation with pyridinium chlorochromate versus regioselective oxidation of vicinal diols. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 1889-97	2.9	4
21	Synthesis of New Pseudo-C-Nucleosides Containing Pyrazole Rings in their Structure. <i>Journal of Carbohydrate Chemistry</i> , <b>2004</b> , 23, 513-528	1.7	11
20	Quinolizidine alkaloid profiles of two taxa of <i>Teline maderensis</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2003</b> , 58, 776-8	1.7	1
19	SYNTHETIC APPROACH TO TETRAHYDROFURAN UNITS AND FIVE-MEMBERED RING LACTONES FUSED TO HEXOPYRANOSIDES *. <i>Journal of Carbohydrate Chemistry</i> , <b>2002</b> , 21, 257-273	1.7	12
18	Synthesis of novel polyurethanes from sugars and 1,6-hexamethylene diisocyanate. <i>Carbohydrate Polymers</i> , <b>2001</b> , 45, 123-127	10.3	35
17	Bioactive humulene derivatives from <i>Asteriscus vogelii</i> . <i>Phytochemistry</i> , <b>2001</b> , 56, 167-71	4	33
16	Efficient synthesis of $\beta$ -Unsaturated $\beta$ -Lactones linked to sugars. <i>Tetrahedron: Asymmetry</i> , <b>2001</b> , 12, 1131-1146		45
15	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> , <b>2001</b> , 15, 1760-7	2.2	34
14	Construction of a branched chain at C-3 of a hexopyranoside. Synthesis of miharamycin sugar moiety analogs. <i>Carbohydrate Research</i> , <b>2000</b> , 325, 1-15	2.9	18
13	A Novel Deoxygenation of Hydroxy Groups Activated by a Vicinal Carbonyl Group via Reaction with Ph <sub>3</sub> P/I <sub>2</sub> /Imidazole. <i>Journal of Carbohydrate Chemistry</i> , <b>1998</b> , 17, 1037-1045	1.7	11
12	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> , <b>1996</b> , 61, 3594-3598	4.2	34
11	Synthetic, Fungicidal Unsaturated- $\beta$ -Lactones Attached to Furanosidic Systems. Configurational Determination by Nuclear Overhauser Effect1. <i>Journal of Carbohydrate Chemistry</i> , <b>1995</b> , 14, 929-948	1.7	12
10	A new method of acetonation with the zeolite HY as catalyst. Synthesis of O-Isopropylidene sugar derivatives. <i>Tetrahedron</i> , <b>1995</b> , 51, 6529-6540	2.4	53
9	Structure of an $\beta$ -methylene- $\beta$ -lactone sugar derivative. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1992</b> , 48, 182-184		
8	Synthesis of pseudo-C-nucleosides. <i>Carbohydrate Research</i> , <b>1989</b> , 188, 19-24	2.9	12
7	Flavonoids from <i>Artemisia campestris</i> subsp. <i>maritima</i> . <i>Phytochemistry</i> , <b>1989</b> , 28, 2173-2175	4	30
6	Mass spectrometric study of new $\beta$ -methylene- $\beta$ -lactone carbohydrate derivatives. <i>Biological Mass Spectrometry</i> , <b>1988</b> , 16, 399-402		3

5	Papain Inhibition by New $\beta$ -Methylene-Lactone Carbohydrate Derivatives <b>1988</b> , 305-311		1
4	Synthesis of $\beta$ -Methylene-Lactones in Furanosidic Systems. <i>Journal of Carbohydrate Chemistry</i> , <b>1987</b> , 6, 259-272	1,7	20
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2	Einfache Synthesen von 5-Desoxy-hexofuranurono-6,3-lactonen. <i>Liebigs Annalen Der Chemie</i> , <b>1981</b> , 1981, 1768-1773		19
1	Thionocarbamates on carbohydrate scaffolds from synthesis to bioactivity. <i>Carbohydrate Chemistry</i> , 127-172	3	8