

Patrick Rollin

List of Publications by Year in descending order

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121
papers

3,173
citations

201385

27
h-index

197535

49
g-index

136
all docs

136
docs citations

136
times ranked

3164
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial Health Effects of Glucosinolates-Derived Isothiocyanates on Cardiovascular and Neurodegenerative Diseases. <i>Molecules</i> , 2022, 27, 624.	1.7	32
2	Glucosinolates of <i>Lepidium graminifolium</i> L. (Brassicaceae) from Croatia. <i>Natural Product Research</i> , 2021, 35, 494-498.	1.0	3
3	The Moringin/ β -CD Pretreatment Induces Neuroprotection in an In Vitro Model of Alzheimer's Disease: A Transcriptomic Study. <i>Current Issues in Molecular Biology</i> , 2021, 43, 197-214.	1.0	13
4	Five-Membered Cyclic Carbonates: Versatility for Applications in Organic Synthesis, Pharmaceutical, and Materials Sciences. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5024.	1.3	38
5	<i>Lepidium graminifolium</i> L.: Glucosinolate Profile and Antiproliferative Potential of Volatile Isolates. <i>Molecules</i> , 2021, 26, 5183.	1.7	3
6	Isobornanyl sulfoxides and isobornanyl sulfone: Physicochemical characteristics and the features of crystal structure. <i>Journal of Molecular Structure</i> , 2021, 1239, 130491.	1.8	5
7	Mild Copper-Catalyzed, L-Proline-Promoted Cross-Coupling of Methyl 3-Amino-1-benzothiophene-2-carboxylate. <i>Molecules</i> , 2021, 26, 6822.	1.7	2
8	Glucosinolates in wild and cultivated <i>Brassica montana</i> Pourret (Brassicaceae) from southern France. <i>Natural Product Research</i> , 2020, 34, 1163-1166.	1.0	0
9	Glucosinolates of the only three Brassicales indigenous to French Polynesia. <i>Natural Product Research</i> , 2020, 34, 2847-2851.	1.0	4
10	Investigation of the glucosinolates in <i>Hesperis matronalis</i> L. and <i>Hesperis laciniata</i> All.: Unveiling 4-O- β -D-apiofuranosylglucomatronalin. <i>Carbohydrate Research</i> , 2020, 488, 107898.	1.1	11
11	Glucosinolate structural diversity, identification, chemical synthesis and metabolism in plants. <i>Phytochemistry</i> , 2020, 169, 112100.	1.4	315
12	Synthesis of glycosyl sulfoximines by a highly chemo- and stereoselective NH- and O-transfer to thioglycosides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3893-3897.	1.5	12
13	Microwave-Assisted versus Conventional Isolation of Glucosinolate Degradation Products from <i>Lunaria annua</i> L. and Their Cytotoxic Activity. <i>Biomolecules</i> , 2020, 10, 215.	1.8	14
14	Stability and bioaccessibility during ex vivo digestion of glucoraphenin and glucoraphasatin from <i>Matthiola incana</i> (L.) R. Br.. <i>Journal of Food Composition and Analysis</i> , 2020, 90, 103483.	1.9	6
15	Glucosinolates in <i>Reseda lutea</i> L.: Distribution in plant tissues during flowering time. <i>Biochemical Systematics and Ecology</i> , 2020, 90, 104043.	0.6	5
16	Applying the hydrodistillation process to <i>Pentadiplandra brazzeana</i> Baill. root: a chemical assessment. <i>Natural Product Research</i> , 2019, 33, 1383-1386.	1.0	0
17	Neuroprotective Potential of Secondary Metabolites from <i>Melicope lunu-ankenda</i> (Rutaceae). <i>Molecules</i> , 2019, 24, 3109.	1.7	11
18	Antimicrobial and Cytotoxic Activities of <i>Lepidium latifolium</i> L. Hydrodistillate, Extract and Its Major Sulfur Volatile Allyl Isothiocyanate. <i>Chemistry and Biodiversity</i> , 2019, 16, e1800661.	1.0	24

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19	Isothiocyanates: cholinesterase inhibiting, antioxidant, and anti-inflammatory activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 577-582.	2.5	60
20	Advanced NMR-Based Structural Investigation of Glucosinolates and Desulfoglucosinolates. <i>Journal of Natural Products</i> , 2018, 81, 323-334.	1.5	18
21	Anomeric modification of carbohydrates using the Mitsunobu reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1619-1636.	1.3	25
22	Isothiocyanates: An Overview of Their Antimicrobial Activity against Human Infections. <i>Molecules</i> , 2018, 23, 624.	1.7	127
23	1-Methylsulfanylalkyl Glucosinolates: A General Synthetic Pathway. <i>Molecules</i> , 2018, 23, 786.	1.7	3
24	Protective Effect of Glucosinolates Hydrolytic Products in Neurodegenerative Diseases (NDDs). <i>Nutrients</i> , 2018, 10, 580.	1.7	38
25	A Combined Approach of NMR and Mass Spectrometry Techniques Applied to the β -Cyclodextrin/Moringin Complex for a Novel Bioactive Formulation. <i>Molecules</i> , 2018, 23, 1714.	1.7	17
26	The β -Cyclodextrin/Moringin Complex: A New Promising Antimicrobial Agent against <i>Staphylococcus aureus</i> . <i>Molecules</i> , 2018, 23, 2097.	1.7	14
27	Glucosinolate turnover in Brassicales species to an oxazolidin-2-one, formed via the 2-thione and without formation of thioamide. <i>Phytochemistry</i> , 2018, 153, 79-93.	1.4	19
28	The Isothiocyanate Isolated from <i>Moringa oleifera</i> Shows Potent Anti-Inflammatory Activity in the Treatment of Murine Subacute Parkinson's Disease. <i>Rejuvenation Research</i> , 2017, 20, 50-63.	0.9	50
29	The β -cyclodextrin complex of the Moringa isothiocyanate suppresses lipopolysaccharide-induced inflammation in RAW 264.7 macrophage cells through Akt and p38 inhibition. <i>Inflammation Research</i> , 2017, 66, 487-503.	1.6	27
30	LC-MS profiling of glucosinolates in the seeds of <i>Brassica elongata</i> Ehrh., and of the two stenoendemic <i>B. botteri</i> Vis and <i>B. cazzae</i> Ginzb. & Teyber. <i>Natural Product Research</i> , 2017, 31, 58-62.	1.0	9
31	Glucosinolates: Novel Sources and Biological Potential. <i>Reference Series in Phytochemistry</i> , 2017, , 3-60.	0.2	10
32	UGT74B1 from <i>Arabidopsis thaliana</i> as a versatile biocatalyst for the synthesis of desulfoglucosinolates. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6252-6261.	1.5	9
33	Glycerol carbonate in Ferrier reaction: Access to new enantiopure building blocks to develop glycolipid analogues. <i>Carbohydrate Research</i> , 2016, 436, 1-10.	1.1	5
34	Anticancer activity of glucomoringin isothiocyanate in human malignant astrocytoma cells. <i>FASEB J</i> , 2016, 30, 1-7.	1.1	64
35	Glucosinolates: Novel Sources and Biological Potential. , 2015, , 1-58.		3
36	Long-chain Glucosinolates from <i>Arabis turrata</i> : Enzymatic and Non-enzymatic Degradations. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.2	6

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37	Reductive opening of carbohydrate phenylsulfonylethylidene (PSE) acetals. Carbohydrate Research, 2015, 417, 117-124.	1.1	7
38	Glucosinolate Diversity in <i>Bretschneidera sinensis</i> of Chinese Origin. Journal of Natural Products, 2015, 78, 2001-2006.	1.5	17
39	An overview on neuroprotective effects of isothiocyanates for the treatment of neurodegenerative diseases. <i>FÄ-toterapÄ-Äc</i> , 2015, 106, 12-21.	1.1	91
40	Long-chain Glucosinolates from <i>Arabis turrita</i> : Enzymatic and Non-enzymatic Degradations. Natural Product Communications, 2015, 10, 1043-6.	0.2	3
41	Novel Gram-Scale Production of Enantiopure R-Sulforaphane from Tuscan Black Kale Seeds. <i>Molecules</i> , 2014, 19, 6975-6986.	1.7	18
42	Contactless conductivity detection for screening myrosinase substrates by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2014, 807, 153-158.	2.6	15
43	Use of tosylated glycerol carbonate to access N-glycerylated aza-aromatic species. <i>Tetrahedron</i> , 2013, 69, 3721-3727.	1.0	13
44	Comparison of bioactive phytochemical content and release of isothiocyanates in selected brassica sprouts. <i>Food Chemistry</i> , 2013, 141, 297-303.	4.2	60
45	Stability of Benzylic-Type Isothiocyanates in Hydrodistillation-Mimicking Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 137-142.	2.4	18
46	Sulfur-containing metabolites in radishes. Further exploration of glucoraphenin desulfation. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 48-54.	1.0	6
47	Glucosinolates in Two Endemic Plants of the <i>Aurinia</i> Genus and their Chemotaxonomic Significance. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.2	5
48	Glucosinolates in two endemic plants of the <i>Aurinia</i> genus and their chemotaxonomic significance. <i>Natural Product Communications</i> , 2013, 8, 1463-6.	0.2	7
49	Carbohydrate-derived PSE acetals: controlled base-induced ring cleavage. <i>Tetrahedron</i> , 2012, 68, 544-551.	1.0	8
50	Profile and quantification of glucosinolates in <i>Pentadiplandra brazzeana</i> Baillon. <i>Phytochemistry</i> , 2012, 73, 51-56.	1.4	22
51	Unexpected matrix interactions in liquid secondary ion mass spectrometry of two pyranosyl mercaptans. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1399-1406.	0.7	3
52	Glucosinolate Synthesis: a Hydroxamic Acid Approach. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2293-2300.	1.2	18
53	Glucosinolate Distribution in Aerial Parts of <i>Degenia velebitica</i> . <i>Chemistry and Biodiversity</i> , 2011, 8, 2090-2096.	1.0	9
54	Glucosinolate Profiling and Antimicrobial Screening of <i>Aurinia leucadea</i> (Brassicaceae). <i>Chemistry and Biodiversity</i> , 2011, 8, 2310-2321.	1.0	21

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55	Glucosinolates: The synthetic approach. <i>Comptes Rendus Chimie</i> , 2011, 14, 194-210.	0.2	40
56	Sulfur Metabolites in Brassicales: From Daily Vegetables to Thiofunctional Chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1130-1136.	0.8	3
57	The isothiocyanate produced from glucomoringin inhibits NF- κ B and reduces myeloma growth in nude mice in vivo. <i>Biochemical Pharmacology</i> , 2010, 79, 1141-1148.	2.0	116
58	Glucosinolate Chemistry: Synthesis of α -Glycosylated Derivatives of Glucosinabin. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3657-3664.	1.2	16
59	One-Step Surface Decoration of Poly(propyleneimines) (PPIs) with the Glyceryl Moiety: New Way for Recycling Homogeneous Dendrimer-Based Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1826-1833.	2.1	23
60	Palladium-Catalyzed Coupling Reactions of Thioimide N-Oxides: Access to α -Alkenyl- and β -Aryl-Functionalized Cyclic Nitrones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 577-580.	7.2	17
61	Glucoraphasatin: Chemistry, occurrence, and biological properties. <i>Phytochemistry</i> , 2010, 71, 6-12.	1.4	47
62	A micromolar O-sulfated thiohydroximate inhibitor bound to plant myrosinase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 152-155.	0.7	2
63	Thioimide N-Oxides: From Nature to Synthetic Pathways. <i>Synlett</i> , 2010, 2010, 725-728.	1.0	2
64	Tosylated glycerol carbonate, a versatile bis-electrophile to access new functionalized glycidol derivatives. <i>Tetrahedron</i> , 2009, 65, 8571-8581.	1.0	57
65	Diphenylphosphinoethylidene (DPE) acetals: an alternative protective strategy in glycochemistry. <i>Tetrahedron Letters</i> , 2009, 50, 101-103.	0.7	6
66	A simple O-sulfated thiohydroximate molecule to be the first micromolar range myrosinase inhibitor. <i>Tetrahedron Letters</i> , 2009, 50, 3302-3305.	0.7	9
67	Updated Glucosinolate Profile of <i>Dithyrea wislizenii</i> . <i>Journal of Natural Products</i> , 2009, 72, 889-893.	1.5	20
68	Stereoselective Synthesis of 1,3-Disaccharides through Diels-Alder Reactions: Part 2 []: Convenient Protecting Groups for Heterodienes and Conformational Evaluations. <i>Journal of Carbohydrate Chemistry</i> , 2009, 28, 124-141.	0.4	8
69	Dramatic effect of PSE clamping on the behaviour of d-glucal under Ferrier I conditions. <i>Tetrahedron Letters</i> , 2008, 49, 3484-3488.	0.7	14
70	Thio-functionalised glucosinolates: unexpected transformation of desulfoglucoraphenin. <i>Tetrahedron Letters</i> , 2008, 49, 292-295.	0.7	22
71	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.	0.7	16
72	Thermodynamics versus kinetics in hetero-Michael cyclizations: a highly stereoselective approach to access both epimers of a C-d-mannopyranoside. <i>Tetrahedron Letters</i> , 2008, 49, 4750-4753.	0.7	7

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73	Oxazolinethiones and Oxazolidinethiones for the First Copper-Catalyzed Desulfurative Cross-Coupling Reaction and First Sonogashira Applications. <i>Organic Letters</i> , 2008, 10, 853-856.	2.4	69
74	Reactivity of 1-phenylsulfinyl-2-phenylsulfanylethylene (SOSE) with O-nucleophiles generated by potassium tert-butoxide. <i>Tetrahedron Letters</i> , 2007, 48, 3699-3703.	0.7	4
75	Probing of PSE acetal protection for nucleoside chemistry. <i>Tetrahedron Letters</i> , 2007, 48, 3851-3854.	0.7	7
76	1,2-Glycerol Carbonate: A Versatile Renewable Synthon. <i>Letters in Organic Chemistry</i> , 2006, 3, 744-748.	0.2	40
77	Vinyl bis-sulfone methodology in thiosugars: selective access to chiral thiovinyl sulfones and PSE oxathianes. <i>Tetrahedron</i> , 2006, 62, 5141-5151.	1.0	4
78	Expeditious synthesis of Î²-cycloacetalic sulfoxides. Introducing 1-phenylsulfinyl-2-phenylsulfanylethylene (SOSE), a promising new alkenylsulfur reagent. <i>Tetrahedron Letters</i> , 2005, 46, 1035-1037.	0.7	5
79	Glucosinolates in the Subantarctic Crucifer Kerguelen Cabbage (<i>Pringlea antiscorbutica</i>). <i>Journal of Natural Products</i> , 2005, 68, 234-236.	1.5	20
80	The glucosinolateâ€“myrosinase system. New insights into enzymeâ€“substrate interactions by use of simplified inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1872.	1.5	25
81	Isolation of 4-Methylthio-3-butenyl Glucosinolate from <i>Raphanus sativus</i> Sprouts (Kaiware Daikon) and Its Redox Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 9890-9896.	2.4	104
82	Small libraries of fused quinazolinone-sugars. Access to quinazolinone nucleosides. <i>Tetrahedron</i> , 2004, 60, 2609-2619.	1.0	23
83	Regioselective N-xylation of cyclic thionocarbamates through a vinyl bis-sulfone methodology. <i>Tetrahedron Letters</i> , 2004, 45, 6443-6446.	0.7	17
84	Wittig approach to carbohydrate-derived vinyl sulfides, new substrates for regiocontrolled ring-closure reactions. <i>Tetrahedron</i> , 2004, 60, 1817-1826.	1.0	33
85	Investigating thio-analogues of PSE acetals: a more complex reaction. <i>Tetrahedron Letters</i> , 2003, 44, 5723-5725.	0.7	8
86	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. <i>Tetrahedron</i> , 2003, 59, 4563-4572.	1.0	21
87	BIS-DESULFOGLUCOSINOLATES: A NEW CLASS OF BOLAFORMS. <i>Synthetic Communications</i> , 2002, 32, 2919-2930.	1.1	4
88	Synthesis of Anomeric Sulfinamides and Their Use as a New Family of Glycosyl Donors. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 171-180.	1.2	18
89	Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2535-2539.	1.8	20
90	Regioselective de-O-benzylation of phenylsulfonylethylidene (PSE) acetals-containing benzylated monosaccharides using triisobutylaluminum (TIBAL). <i>Tetrahedron</i> , 2002, 58, 9579-9583.	1.0	30

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91	Carba-glucotropaeolin: the first non-hydrolyzable glucosinolate analogue, to inhibit myrosinase. <i>Tetrahedron Letters</i> , 2002, 43, 2889-2890.	0.7	9
92	Novel indole-type glucosinolates from woad (<i>Isatis tinctoria</i> L.). <i>Tetrahedron Letters</i> , 2001, 42, 9015-9017.	0.7	92
93	Base-modified nucleosides from carbohydrate derived oxazolidinethiones: a five-step process. <i>Tetrahedron Letters</i> , 2001, 42, 2977-2980.	0.7	23
94	A new and rapid access to homochiral 2,3-dihydro-oxazolo[2,3-b]quinazolin-5-ones. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 337-340.	1.8	23
95	Original Synthesis of Linear, Branched and Cyclic Oligoglycerol Standards. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 875-896.	1.2	87
96	d-Fructose \leftrightarrow l-sorbose interconversions. Access to 5-thio-d-fructose and interaction with the d-fructose transporter, GLUT5. <i>Carbohydrate Research</i> , 2001, 333, 327-334.	1.1	21
97	A New Convenient Synthesis of Ethenyl Ethers. <i>Synlett</i> , 2001, 2001, 1962-1964.	1.0	18
98	Phenylsulfonylethylidene (PSE) Acetals: A Novel Protective Group in Carbohydrate Chemistry. <i>Synthesis</i> , 2001, 2001, 0286-0292.	1.2	32
99	Synthetic Approaches to C-Glucosinolates. <i>Tetrahedron</i> , 2000, 56, 2647-2654.	1.0	20
100	Phenylsulfonylethylidene (PSE) acetals as atypical carbohydrate-protective groups. <i>Tetrahedron Letters</i> , 2000, 41, 2357-2360.	0.7	23
101	High Resolution X-ray Crystallography Shows That Ascorbate Is a Cofactor for Myrosinase and Substitutes for the Function of the Catalytic Base. <i>Journal of Biological Chemistry</i> , 2000, 275, 39385-39393.	1.6	165
102	Reactivity Range of a Chiral 1,3-Oxazolidine-2-thione Obtained from Vegetable Source through Chemo-enzymatic Processing. <i>Heterocycles</i> , 2000, 52, 827.	0.4	38
103	The first synthesis of C-glucotropaeolin. <i>Tetrahedron Letters</i> , 1999, 40, 7319-7321.	0.7	6
104	Chemo-enzymatic preparation from renewable resources of enantiopure 1,3-oxazolidine-2-thiones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4775-4780.	1.8	25
105	A convenient synthesis of fluoroalkyl and fluoroaryl glycosides using Mitsunobu conditions. <i>Carbohydrate Research</i> , 1999, 318, 171-179.	1.1	18
106	Exploring an alternative approach to the synthesis of arylalkyl and indolylmethyl glucosinolates. <i>Tetrahedron</i> , 1998, 54, 8515-8524.	1.0	38
107	First synthesis of anomeric sulfimides - efficient glycosyl donors. <i>Tetrahedron Letters</i> , 1998, 39, 8097-8100.	0.7	14
108	Enzymatic, Chemical, and Thermal Breakdown of ³ H-Labeled Glucobrassicin, the Parent Indole Glucosinolate. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 4290-4296.	2.4	59

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109	Synthesis of 2-deoxy-2-fluoro-glucotropaeolin, a thioglucosidase inhibitor. Carbohydrate Research, 1997, 298, 127-130.	1.1	23
110	The myrosinase-glucosinolate interaction mechanism studied using some synthetic competitive inhibitors. FEBS Letters, 1996, 385, 87-90.	1.3	45
111	Synthesis of O-protected thiohydroximate-linked pseudodisaccharides. Carbohydrate Research, 1995, 266, 321-325.	1.1	7
112	Synthesis of deoxy derivatives of the glucosinolates glucotropaeolin and glucobrassicin. Carbohydrate Research, 1995, 278, 257-270.	1.1	16
113	(Z)-Stereospecific Addition of Glycosylmercaptans on Nitrilium Betaines. ¹ Synthesis of 1- <i>S</i> -Glucopyranosyl Arylthiohydroximates. Synthetic Communications, 1994, 24, 1403-1414.	1.1	19
114	Chemistry Prospects of new Sugar-Derived Vinyl Sulfones. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 95, 503-504.	0.8	5
115	Preparation of (5R)-5-vinylloxazolidine-2-thione from natural epiprogoitrin using immobilized myrosinase. Tetrahedron: Asymmetry, 1994, 5, 1157-1160.	1.8	15
116	Synthesis, structure and enzymatic evaluation of new spiro oxathiazole sugar derivatives. Tetrahedron, 1994, 50, 6559-6568.	1.0	23
117	Synthesis of an artificial phosphate bio-isostere of glucotropaeolin. Tetrahedron Letters, 1994, 35, 2173-2174.	0.7	11
118	Synthesis Of 1,5-Dithio-D-Glucopyranose and Some of its Biologically Relevant Derivatives. Journal of Carbohydrate Chemistry, 1993, 12, 719-729.	0.4	23
119	Sugar Thiochemistry. First Synthesis of 1,5-Dithio-D-Glucopyranose and Related Thia-Analogs of Glucosinolates. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 74, 467-468.	0.8	9
120	Synthesis of Aza-Analogs of Natural and Artificial Desulfoglucosinolates. Journal of Carbohydrate Chemistry, 1993, 12, 1127-1138.	0.4	5
121	Synthesis of Indole Glucosinolates, Sugar Variants of Naturally Occurring Glucobrassicin. Heterocycles, 1993, 35, 1015.	0.4	16