Alison A Watson

List of Publications by Year
in descending order

31 papers	2,547 citations	218677 26 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	1456 citing authors

#	Article	IF	Citations
1	Polyhydroxylated alkaloidsÂâ€" natural occurrence and therapeutic applications. Phytochemistry, 2001, 56, 265-295.	2.9	664
2	New polyhydroxylated pyrrolizidine alkaloids from Muscari armeniacum: structural determination and biological activity. Tetrahedron: Asymmetry, 2000, 11, 1-8.	1.8	157
3	New Polyhydroxylated Pyrrolidine, Piperidine, and Pyrrolizidine Alkaloids fromScillasibirica. Journal of Natural Products, 2002, 65, 1875-1881.	3.0	137
4	Polyhydroxylated pyrrolidine and pyrrolizidine alkaloids from Hyacinthoides non-scripta and Scilla campanulata. Carbohydrate Research, 1999, 316, 95-103.	2.3	126
5	Alkaloidal Components in the Poisonous Plant,Ipomoea carnea(Convolvulaceae). Journal of Agricultural and Food Chemistry, 2003, 51, 4995-5000.	5.2	121
6	Australine and related alkaloids: easy structural confirmation by 13C NMR spectral data and biological activities. Tetrahedron: Asymmetry, 2003, 14, 325-331.	1.8	100
7	Glycosidase-inhibiting pyrrolidine alkaloids from Hyacinthoides non-scripta. Phytochemistry, 1997, 46, 255-259.	2.9	91
8	Nitrogen-Containing Furanose and Pyranose Analogues fromHyacinthusorientalis. Journal of Natural Products, 1998, 61, 625-628.	3.0	91
9	Fagomine Isomers and Glycosides fromXanthocercis zambesiaca. Journal of Natural Products, 1997, 60, 312-314.	3.0	85
10	Calystegines in Solanum and Datura species and the death's-head hawk-moth (Acherontia atropus). Phytochemistry, 1993, 34, 1281-1283.	2.9	84
11	Homonojirimycin Isomers and N-Alkylated Homonojirimycins:Â Structural and Conformational Basis of Inhibition of Glycosidases. Journal of Medicinal Chemistry, 1998, 41, 2565-2571.	6.4	84
12	Polyhydroxylated pyrrolidine and piperidine alkaloids from Adenophora triphylla var. japonica (Campanulaceae). Phytochemistry, 2000, 53, 379-382.	2.9	80
13	The effects of calystegines isolated from edible fruits and vegetables on mammalian liver glycosidases. Glycobiology, 1997, 7, 1085-1088.	2.5	79
14	Homonojirimycin Isomers and Glycosides from Aglaonema treubii. Journal of Natural Products, 1997, 60, 98-101.	3.0	72
15	L-(+)-swainsonine and other pyrrolidine inhibitors of naringinase: Through an enzymic looking glass from D-mannosidase to L-rhamnosidase?. Tetrahedron Letters, 1996, 37, 8565-8568.	1.4	65
16	Homonojirimycin analogues and their glucosides from Lobelia sessilifolia and Adenophora spp. (Campanulaceae). Carbohydrate Research, 1999, 323, 73-80.	2.3	55
17	Calystegine B4, a novel trehalase inhibitor from Scopolia japonica. Carbohydrate Research, 1996, 293, 195-204.	2.3	53
18	Tetrazoles of manno- and rhamno-pyranoses: Contrasting inhibition of mannosidases by [4.3.0] but of rhamnosidase by [3.3.0] bicyclic tetrazoles. Tetrahedron, 1999, 55, 4489-4500.	1.9	48

#	Article	IF	Citations
19	5-epi-Deoxyrhamnojirimycin is a potent inhibitor of an Î±-l-rhamnosidase: 5-epi-deoxymannojirimycin is not a potent inhibitor of an Î±-d-mannosidase. Tetrahedron: Asymmetry, 1998, 9, 2947-2960.	1.8	44
20	The isolation from Nicandra physalodes and identification of the 3-O-Î²-D-glucopyranoside of 1Î±,2Î²,3Î±,6Î±-tetrahydroxy-nor-tropane (Calystegine B1). Tetrahedron Letters, 1996, 37, 3207-3208.	1.4	36
21	2-Hydroxycastanospermines (dihydroxy-L-swainsonines) from octonolactones: Inhibition of naringinase (L-rhamnosidase). Tetrahedron Letters, 1996, 37, 8561-8564.	1.4	36
22	Tetrazoles of manno- and rhamno- furanoses. Tetrahedron, 1999, 55, 4501-4520.	1.9	36
23	Iminosugars from Baphia nitida Lodd.. Phytochemistry, 2008, 69, 1261-1265.	2.9	36
24	The Comparative Pathology of the Glycosidase Inhibitors Swainsonine, Castanospermine, and Calystegines A3, B2, and C1 in Mice. Toxicologic Pathology, 2008, 36, 651-659.	1.8	36
25	Synthesis of casuarines [pentahydroxylated pyrrolizidines] by sodium hydrogen telluride-induced cyclisations of azidodimesylates. Tetrahedron Letters, 1997, 38, 5869-5872.	1.4	35
26	Synthesis of homorhamnojirimycins and related trihydroxypipecolic acid derivatives via divergent bicyclic amino lactone intermediates: Inhibition of naringinase (L-rhamnosidase) and dTDP-rhamnose biosynthesis. Journal of the Chemical Society Perkin Transactions 1, 1999, , 2735-2745.	0.9	29
27	Chapter Five Polyhydroxylated alkaloids that inhibit glycosidases. Alkaloids: Chemical and Biological Perspectives, 1996, 11, 345-376.	0.2	28
28	Enzymatic synthesis of the glycosides of calystegines B1 and B2 and their glycosidase inhibitory activities. Carbohydrate Research, 1997, 304, 173-178.	2.3	28
29	Annona muricata (Graviola): Toxic or Therapeutic. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	7
30	Inhibition of glycosidases by Lepidoptera; roles in the insects and leads to novel compounds?. Chemoecology, 1994, 5-6, 167-171.	1.1	4
31	Selective Metabolism of Glycosidase Inhibitors by a Specialized Moth Feeding on Hyacinthoides non-scripta Flowers. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	0