Garry Taylor

List of Publications by Year in descending order

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27 papers	1,895 citations	394421 19 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	1615 citing authors

#	Article	IF	Citations
1	Influenza Virus Neuraminidase Inhibitors. , 2010, , 103-110.		1
2	N-Linked Glycan at Residue 523 of Human Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase Masks a Second Receptor-Binding Site. Journal of Virology, 2010, 84, 3094-3100.	3.4	25
3	Effect of Hemagglutinin-Neuraminidase Inhibitors BCX 2798 and BCX 2855 on Growth and Pathogenicity of Sendai/Human Parainfluenza Type 3 Chimera Virus in Mice. Antimicrobial Agents and Chemotherapy, 2009, 53, 3942-3951.	3.2	26
4	Heterodimerization of the Sialidase NEU1 with the Chaperone Protective Protein/Cathepsin A Prevents Its Premature Oligomerization. Journal of Biological Chemistry, 2009, 284, 28430-28441.	3.4	69
5	Protective protein/cathepsin A rescues N-glycosylation defects in neuraminidase-1. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 275-282.	2.4	21
6	Loss of the N-Linked Glycan at Residue 173 of Human Parainfluenza Virus Type 1 Hemagglutinin-Neuraminidase Exposes a Second Receptor-Binding Site. Journal of Virology, 2008, 82, 8400-8410.	3.4	18
7	Structural analysis of a designed inhibitor complexed with the hemagglutinin-neuraminidase of Newcastle disease virus. Glycoconjugate Journal, 2006, 23, 135-141.	2.7	16
8	Two Nucleophilic Mutants of the Micromonospora viridifaciens Sialidase Operate with Retention of Configuration by Two Different Mechanisms. ChemBioChem, 2005, 6, 1999-2004.	2.6	20
9	Galactose recognition by the carbohydrate-binding module of a bacterial sialidase. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1483-1491.	2.5	42
10	Structure and Mechanism of Action of an Inverting Mutant Sialidase. Biochemistry, 2005, 44, 9117-9122.	2.5	28
11	Efficacy of Novel Hemagglutinin-Neuraminidase Inhibitors BCX 2798 and BCX 2855 against Human Parainfluenza Viruses In Vitro and In Vivo. Antimicrobial Agents and Chemotherapy, 2004, 48, 1495-1502.	3.2	76
12	Biological Significance of the Second Receptor Binding Site of Newcastle Disease Virus Hemagglutinin-Neuraminidase Protein. Journal of Virology, 2004, 78, 13351-13355.	3.4	37
13	Second Sialic Acid Binding Site in Newcastle Disease Virus Hemagglutinin-Neuraminidase: Implications for Fusion. Journal of Virology, 2004, 78, 3733-3741.	3.4	154
14	Sialic Acid Recognition by Vibrio cholerae Neuraminidase. Journal of Biological Chemistry, 2004, 279, 40819-40826.	3.4	133
15	Crystallization and atomic resolution X-ray diffraction of the catalytic domain of the large sialidase, nanI, fromClostridium perfringens. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2063-2066.	2.5	11
16	Contribution of the active site aspartic acid to catalysis in the bacterial neuraminidase fromMicromonospora viridifaciens. FEBS Letters, 2004, 577, 265-269.	2.8	24
17	Influenza Virus Neuraminidase Inhibitors. , 2003, , 105-113.		1
18	Probing the Sialic Acid Binding Site of the Hemagglutinin-Neuraminidase of Newcastle Disease Virus: Identification of Key Amino Acids Involved in Cell Binding, Catalysis, and Fusion. Journal of Virology, 2002, 76, 1816-1824.	3.4	129

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19	Crystal structure of the multifunctional paramyxovirus hemagglutinin-neuraminidase. Nature Structural Biology, 2000, 7, 1068-1074.	9.7	354
20	trans-Sialidase of Trypanosoma cruzi: Location of Galactose-Binding Site(s). Biochemical and Biophysical Research Communications, 1999, 262, 549-556.	2.1	26
21	Sialidases: structures, biological significance and therapeutic potential. Current Opinion in Structural Biology, 1996, 6, 830-837.	5.7	216
22	The three domains of a bacterial sialidase: a Î²-propeller, an immunoglobulin module and a galactose-binding jelly-roll. Structure, 1995, 3, 1197-1205.	3.3	206
23	Crystal structure of Vibrio cholerae neuraminidase reveals dual lectin-like domains in addition to the catalytic domain. Structure, 1994, 2, 535-544.	3.3	207
24	A rational attack on influenza. Nature, 1993, 363, 401-402.	27.8	14
25	Crystallization and preliminary crystallographic study of neuraminidase from Micromonospora viridifaciens. Journal of Molecular Biology, 1992, 225, 1135-1136.	4.2	7
26	Purification, crystallization and preliminary crystallographic study of neuraminidase from Vibrio cholerae and Salmonella typhimurium LT2. Journal of Molecular Biology, 1992, 226, 1287-1290.	4.2	33
27	Sialidases. , 0, , 485-495.		1