

# 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  | Crystal structure of the multifunctional paramyxovirus hemagglutinin-neuraminidase. <i>Nature Structural Biology</i> , 2000, 7, 1068-1074.   | 9.7 | 354       |
| 2  | Sialidases: structures, biological significance and therapeutic potential. <i>Current Opinion in Structural Biology</i> , 1996, 6, 830-837.  | 5.7 | 216       |
| 3  | Crystal structure of <i>Vibrio cholerae</i> neuraminidase reveals dual lectin-like domains in addition to the catalytic domain. <i>Structure</i> , 1994, 2, 535-544.   | 3.3 | 207       |
| 4  | The three domains of a bacterial sialidase: a $\hat{I}^2$ -propeller, an immunoglobulin module and a galactose-binding jelly-roll. <i>Structure</i> , 1995, 3, 1197-1205.  | 3.3 | 206       |
| 5  | Second Sialic Acid Binding Site in Newcastle Disease Virus Hemagglutinin-Neuraminidase: Implications for Fusion. <i>Journal of Virology</i> , 2004, 78, 3733-3741.   | 3.4 | 154       |
| 6  | Sialic Acid Recognition by <i>Vibrio cholerae</i> Neuraminidase. <i>Journal of Biological Chemistry</i> , 2004, 279, 40819-40826.  | 3.4 | 133       |
| 7  | 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. <i>Journal of Virology</i> , 2002, 76, 1816-1824. | 3.4 | 129       |
| 8  | Efficacy of Novel Hemagglutinin-Neuraminidase Inhibitors BCX 2798 and BCX 2855 against Human Parainfluenza Viruses In Vitro and In Vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1495-1502.                             | 3.2 | 76        |
| 9  | Heterodimerization of the Sialidase NEU1 with the Chaperone Protective Protein/Cathepsin A Prevents Its Premature Oligomerization. <i>Journal of Biological Chemistry</i> , 2009, 284, 28430-28441.                                      | 3.4 | 69        |
| 10 | Galactose recognition by the carbohydrate-binding module of a bacterial sialidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 1483-1491.  | 2.5 | 42        |
| 11 | Biological Significance of the Second Receptor Binding Site of Newcastle Disease Virus Hemagglutinin-Neuraminidase Protein. <i>Journal of Virology</i> , 2004, 78, 13351-13355.  | 3.4 | 37        |
| 12 | Purification, crystallization and preliminary crystallographic study of neuraminidase from <i>Vibrio cholerae</i> and <i>Salmonella typhimurium</i> LT2. <i>Journal of Molecular Biology</i> , 1992, 226, 1287-1290.                     | 4.2 | 33        |
| 13 | Structure and Mechanism of Action of an Inverting Mutant Sialidase. <i>Biochemistry</i> , 2005, 44, 9117-9122.   | 2.5 | 28        |
| 14 | trans-Sialidase of <i>Trypanosoma cruzi</i> : Location of Galactose-Binding Site(s). <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 549-556.  | 2.1 | 26        |
| 15 | Effect of Hemagglutinin-Neuraminidase Inhibitors BCX 2798 and BCX 2855 on Growth and Pathogenicity of Sendai/Human Parainfluenza Type 3 Chimera Virus in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3942-3951.       | 3.2 | 26        |
| 16 | N-Linked Glycan at Residue 523 of Human Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase Masks a Second Receptor-Binding Site. <i>Journal of Virology</i> , 2010, 84, 3094-3100.   | 3.4 | 25        |
| 17 | Contribution of the active site aspartic acid to catalysis in the bacterial neuraminidase from <i>Micromonospora viridifaciens</i> . <i>FEBS Letters</i> , 2004, 577, 265-269.   | 2.8 | 24        |
| 18 | Protective protein/cathepsin A rescues N-glycosylation defects in neuraminidase-1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 275-282.  | 2.4 | 21        |

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|----|--|------|-----------|
| 19 | Two Nucleophilic Mutants of the <i>Micromonospora viridifaciens</i> Sialidase Operate with Retention of Configuration by Two Different Mechanisms. <i>ChemBioChem</i> , 2005, 6, 1999-2004.  | 2.6  | 20        |
| 20 | Loss of the N-Linked Glycan at Residue 173 of Human Parainfluenza Virus Type 1 Hemagglutinin-Neuraminidase Exposes a Second Receptor-Binding Site. <i>Journal of Virology</i> , 2008, 82, 8400-8410.   | 3.4  | 18        |
| 21 | Structural analysis of a designed inhibitor complexed with the hemagglutinin-neuraminidase of Newcastle disease virus. <i>Glycoconjugate Journal</i> , 2006, 23, 135-141.  | 2.7  | 16        |
| 22 | A rational attack on influenza. <i>Nature</i> , 1993, 363, 401-402.  | 27.8 | 14        |
| 23 | Crystallization and atomic resolution X-ray diffraction of the catalytic domain of the large sialidase, nanI, from <i>Clostridium perfringens</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2063-2066. | 2.5  | 11        |
| 24 | Crystallization and preliminary crystallographic study of neuraminidase from <i>Micromonospora viridifaciens</i> . <i>Journal of Molecular Biology</i> , 1992, 225, 1135-1136.   | 4.2  | 7         |
| 25 | Sialidases. , 0, , 485-495.  |      | 1         |
| 26 | Influenza Virus Neuraminidase Inhibitors. , 2003, , 105-113.   |      | 1         |
| 27 | Influenza Virus Neuraminidase Inhibitors. , 2010, , 103-110.   |      | 1         |