

Paul R Crocker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/588657/publications.pdf>

Version: 2024-02-01

177
papers

17,972
citations

7096

78
h-index

13771

129
g-index

180
all docs

180
docs citations

180
times ranked

13781
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Siglecs and their roles in the immune system. <i>Nature Reviews Immunology</i> , 2007, 7, 255-266. | 22.7 | 1,642 |
| 2 | A novel role for myelin-associated glycoprotein as an inhibitor of axonal regeneration. <i>Neuron</i> , 1994, 13, 757-767. | 8.1 | 996 |
| 3 | Siglec-mediated regulation of immune cell function in disease. <i>Nature Reviews Immunology</i> , 2014, 14, 653-666. | 22.7 | 835 |
| 4 | Sialoadhesin, myelin-associated glycoprotein and CD22 define a new family of sialic acid-dependent adhesion molecules of the immunoglobulin superfamily. <i>Current Biology</i> , 1994, 4, 965-972. | 3.9 | 395 |
| 5 | Siglecs, sialic acids and innate immunity. <i>Trends in Immunology</i> , 2001, 22, 337-342. | 6.8 | 359 |
| 6 | CD169 mediates the capture of exosomes in spleen and lymph node. <i>Blood</i> , 2014, 123, 208-216. | 1.4 | 303 |
| 7 | Carbohydrate recognition systems: functional triads in cell-cell interactions. <i>Current Opinion in Structural Biology</i> , 1996, 6, 679-691. | 5.7 | 301 |
| 8 | Siglecs: sialic-acid-binding immunoglobulin-like lectins in cell-cell interactions and signalling. <i>Current Opinion in Structural Biology</i> , 2002, 12, 609-615. | 5.7 | 299 |
| 9 | The mucin MUC1 modulates the tumor immunological microenvironment through engagement of the lectin Siglec-9. <i>Nature Immunology</i> , 2016, 17, 1273-1281. | 14.5 | 277 |
| 10 | Isolation of the gene for McLeod syndrome that encodes a novel membrane transport protein. <i>Cell</i> , 1994, 77, 869-880. | 28.9 | 272 |
| 11 | Characterization of human sialoadhesin, a sialic acid binding receptor expressed by resident and inflammatory macrophage populations. <i>Blood</i> , 2001, 97, 288-296. | 1.4 | 265 |
| 12 | Siglecs in the immune system. <i>Immunology</i> , 2001, 103, 137-145. | 4.4 | 241 |
| 13 | Characterization of Siglec-H as a novel endocytic receptor expressed on murine plasmacytoid dendritic cell precursors. <i>Blood</i> , 2006, 107, 3600-3608. | 1.4 | 231 |
| 14 | Identification and Characterization of a Novel Siglec, Siglec-7, Expressed by Human Natural Killer Cells and Monocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 34089-34095. | 3.4 | 228 |
| 15 | Ganglioside GD3 expression on target cells can modulate NK cell cytotoxicity via siglec-7-dependent and -independent mechanisms. <i>European Journal of Immunology</i> , 2003, 33, 1642-1648. | 2.9 | 228 |
| 16 | Recognition of sialylated meningococcal lipopolysaccharide by siglecs expressed on myeloid cells leads to enhanced bacterial uptake. <i>Molecular Microbiology</i> , 2003, 49, 1213-1225. | 2.5 | 207 |
| 17 | Sialoside Specificity of the Siglec Family Assessed Using Novel Multivalent Probes. <i>Journal of Biological Chemistry</i> , 2003, 278, 31007-31019. | 3.4 | 200 |
| 18 | Siglec-9, a Novel Sialic Acid Binding Member of the Immunoglobulin Superfamily Expressed Broadly on Human Blood Leukocytes. <i>Journal of Biological Chemistry</i> , 2000, 275, 22121-22126. | 3.4 | 193 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Siglecs in innate immunity. <i>Current Opinion in Pharmacology</i> , 2005, 5, 431-437. | 3.5 | 191 |
| 20 | Siglec-8. <i>Journal of Biological Chemistry</i> , 2000, 275, 861-866. | 3.4 | 186 |
| 21 | Modifications of cell surface sialic acids modulate cell adhesion mediated by sialoadhesin and CD22. <i>Glycoconjugate Journal</i> , 1994, 11, 576-585. | 2.7 | 184 |
| 22 | In vivo targeting of B-cell lymphoma with glycan ligands of CD22. <i>Blood</i> , 2010, 115, 4778-4786. | 1.4 | 182 |
| 23 | The murine inhibitory receptor mSiglec ϵ is expressed broadly on cells of the innate immune system whereas mSiglec f is restricted to eosinophils. <i>European Journal of Immunology</i> , 2004, 34, 1175-1184. | 2.9 | 178 |
| 24 | Siglec-G is a B1 cell α inhibitory receptor that controls expansion and calcium signaling of the B1 cell population. <i>Nature Immunology</i> , 2007, 8, 695-704. | 14.5 | 178 |
| 25 | Cloning and Characterization of Human Siglec-11. <i>Journal of Biological Chemistry</i> , 2002, 277, 24466-24474. | 3.4 | 171 |
| 26 | Characterization of Siglec-5, a Novel Glycoprotein Expressed on Myeloid Cells Related to CD33. <i>Blood</i> , 1998, 92, 2123-2132. | 1.4 | 168 |
| 27 | A Small Region of the Natural Killer Cell Receptor, Siglec-7, Is Responsible for Its Preferred Binding to α 2,8-Disialyl and Branched α 2,6-Sialyl Residues. <i>Journal of Biological Chemistry</i> , 2002, 277, 6324-6332. | 3.4 | 165 |
| 28 | The Membrane-Proximal Immunoreceptor Tyrosine-Based Inhibitory Motif Is Critical for the Inhibitory Signaling Mediated by Siglecs-7 and -9, CD33-Related Siglecs Expressed on Human Monocytes and NK Cells. <i>Journal of Immunology</i> , 2004, 173, 6841-6849. | 0.8 | 164 |
| 29 | Maintenance of granulocyte numbers during acute peritonitis is defective in galectin β null mutant mice. <i>Immunology</i> , 1998, 94, 290-296. | 4.4 | 155 |
| 30 | Mouse Siglec-F and human Siglec-8 are functionally convergent paralogs that are selectively expressed on eosinophils and recognize α 2-sulfo-sialyl Lewis X as a preferred glycan ligand. <i>Glycobiology</i> , 2005, 15, 1125-1135. | 2.5 | 153 |
| 31 | Granulocyte Macrophage Colony-Stimulating Factor-Activated Eosinophils Promote Interleukin-23 Driven Chronic Colitis. <i>Immunity</i> , 2015, 43, 187-199. | 14.3 | 150 |
| 32 | Loss of N-Glycolylneuraminic Acid in Human Evolution. <i>Journal of Biological Chemistry</i> , 2000, 275, 8633-8640. | 3.4 | 146 |
| 33 | Siglecs as positive and negative regulators of the immune system. <i>Biochemical Society Transactions</i> , 2008, 36, 1467-1471. | 3.4 | 146 |
| 34 | Myelin-associated Glycoprotein Interacts with Neurons via a Sialic Acid Binding Site at ARG118 and a Distinct Neurite Inhibition Site. <i>Journal of Cell Biology</i> , 1997, 138, 1355-1366. | 5.2 | 136 |
| 35 | Binding Specificities of the Sialoadhesin Family of I-type Lectins. <i>Journal of Biological Chemistry</i> , 1997, 272, 16889-16895. | 3.4 | 135 |
| 36 | Evolution of CD33-related siglecs: regulating host immune functions and escaping pathogen exploitation?. <i>Immunology</i> , 2011, 132, 18-26. | 4.4 | 135 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Sialic acid-modified antigens impose tolerance via inhibition of T-cell proliferation and de novo induction of regulatory T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3329-3334. | 7.1 | 135 |
| 38 | Characterization of the Sialic Acid-binding Site in Sialoadhesin by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 1996, 271, 9267-9272. | 3.4 | 131 |
| 39 | The M/GP5 Glycoprotein Complex of Porcine Reproductive and Respiratory Syndrome Virus Binds the Sialoadhesin Receptor in a Sialic Acid-Dependent Manner. <i>PLoS Pathogens</i> , 2010, 6, e1000730. | 4.7 | 129 |
| 40 | Localization of the Putative Sialic Acid-binding Site on the Immunoglobulin Superfamily Cell-surface Molecule CD22. <i>Journal of Biological Chemistry</i> , 1996, 271, 9273-9280. | 3.4 | 126 |
| 41 | Macrophage-tumour cell interactions: identification of MUC1 on breast cancer cells as a potential counter-receptor for the macrophage-restricted receptor, sialoadhesin. <i>Immunology</i> , 1999, 98, 213-219. | 4.4 | 126 |
| 42 | Neoglycolipid Probes Prepared via Oxime Ligation for Microarray Analysis of Oligosaccharide-Protein Interactions. <i>Chemistry and Biology</i> , 2007, 14, 847-859. | 6.0 | 126 |
| 43 | Cutting Edge: CD43 Functions as a T Cell Counterreceptor for the Macrophage Adhesion Receptor Sialoadhesin (Siglec-1). <i>Journal of Immunology</i> , 2001, 166, 3637-3640. | 0.8 | 124 |
| 44 | Siglec-1 is a microglia-specific marker that discriminates microglia from CNS-associated macrophages and CNS-infiltrating monocytes. <i>Glia</i> , 2017, 65, 1927-1943. | 4.9 | 123 |
| 45 | Sialic acid binding receptors (siglecs) expressed by macrophages. <i>Journal of Leukocyte Biology</i> , 1999, 66, 705-711. | 3.3 | 120 |
| 46 | Distinct Endocytic Mechanisms of CD22 (Siglec-2) and Siglec-F Reflect Roles in Cell Signaling and Innate Immunity. <i>Molecular and Cellular Biology</i> , 2007, 27, 5699-5710. | 2.3 | 118 |
| 47 | Siglec-F antibody administration to mice selectively reduces blood and tissue eosinophils. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1156-1163. | 5.7 | 118 |
| 48 | Dendritic Cell Maturation Results in Pronounced Changes in Glycan Expression Affecting Recognition by Siglecs and Galectins. <i>Journal of Immunology</i> , 2007, 179, 8216-8224. | 0.8 | 117 |
| 49 | Sialic Acid-Binding Immunoglobulin-Like Lectin 7 Mediates Selective Recognition of Sialylated Glycans Expressed on <i>Campylobacter jejuni</i> Lipooligosaccharides. <i>Infection and Immunity</i> , 2006, 74, 4133-4141. | 2.2 | 116 |
| 50 | Identification of CD22 Ligands on Bone Marrow Sinusoidal Endothelium Implicated in CD22-dependent Homing of Recirculating B Cells. <i>Journal of Experimental Medicine</i> , 1999, 189, 1513-1518. | 8.5 | 111 |
| 51 | The Sialoadhesins ? A family of sialic acid-dependent cellular recognition molecules within the immunoglobulin superfamily. <i>Glycoconjugate Journal</i> , 1996, 13, 913-926. | 2.7 | 110 |
| 52 | Intracellular replication of <i>Streptococcus pneumoniae</i> inside splenic macrophages serves as a reservoir for septicaemia. <i>Nature Microbiology</i> , 2018, 3, 600-610. | 13.3 | 110 |
| 53 | High Resolution Crystal Structures of Siglec-7. <i>Journal of Biological Chemistry</i> , 2003, 278, 3372-3377. | 3.4 | 109 |
| 54 | Expression of CD33-related siglecs on human mononuclear phagocytes, monocyte-derived dendritic cells and plasmacytoid dendritic cells. <i>Immunobiology</i> , 2004, 209, 199-207. | 1.9 | 109 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Group B Streptococcus Engages an Inhibitory Siglec through Sialic Acid Mimicry to Blunt Innate Immune and Inflammatory Responses In Vivo. <i>PLoS Pathogens</i> , 2014, 10, e1003846. | 4.7 | 108 |
| 56 | Identification, characterization and leucocyte expression of Siglec-10, a novel human sialic acid-binding receptor. <i>Biochemical Journal</i> , 2001, 355, 489-497. | 3.7 | 107 |
| 57 | Functional CD169 on Macrophages Mediates Interaction with Dendritic Cells for CD8+ T Cell Cross-Priming. <i>Cell Reports</i> , 2018, 22, 1484-1495. | 6.4 | 106 |
| 58 | Targeted delivery of lipid antigen to macrophages via the CD169/sialoadhesin endocytic pathway induces robust invariant natural killer T cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7826-7831. | 7.1 | 101 |
| 59 | Siglec-9 is a novel leukocyte ligand for vascular adhesion protein-1 and can be used in PET imaging of inflammation and cancer. <i>Blood</i> , 2011, 118, 3725-3733. | 1.4 | 100 |
| 60 | Structure-Guided Design of Sialic Acid-Based Siglec Inhibitors and Crystallographic Analysis in Complex with Sialoadhesin. <i>Structure</i> , 2003, 11, 557-567. | 3.3 | 97 |
| 61 | Intravenous immunoglobulin preparations contain anti-“Siglec-8 autoantibodies. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 1005-1011. | 2.9 | 97 |
| 62 | Porcine Arterivirus Attachment to the Macrophage-Specific Receptor Sialoadhesin Is Dependent on the Sialic Acid-Binding Activity of the N-Terminal Immunoglobulin Domain of Sialoadhesin. <i>Journal of Virology</i> , 2007, 81, 9546-9550. | 3.4 | 96 |
| 63 | Siglecs Facilitate HIV-1 Infection of Macrophages through Adhesion with Viral Sialic Acids. <i>PLoS ONE</i> , 2011, 6, e24559. | 2.5 | 94 |
| 64 | Siglec-E is a negative regulator of acute pulmonary neutrophil inflammation and suppresses CD11b β 2-integrin-dependent signaling. <i>Blood</i> , 2013, 121, 2084-2094. | 1.4 | 94 |
| 65 | Surface plasmon resonance imaging for real-time, label-free analysis of protein interactions with carbohydrate microarrays. <i>Glycoconjugate Journal</i> , 2008, 25, 69-74. | 2.7 | 93 |
| 66 | Siglec-5 (CD170) Can Mediate Inhibitory Signaling in the Absence of Immunoreceptor Tyrosine-based Inhibitory Motif Phosphorylation. <i>Journal of Biological Chemistry</i> , 2005, 280, 19843-19851. | 3.4 | 92 |
| 67 | The Amino-terminal Immunoglobulin-like Domain of Sialoadhesin Contains the Sialic Acid Binding Site. <i>Journal of Biological Chemistry</i> , 1995, 270, 26184-26191. | 3.4 | 88 |
| 68 | Cell-specific Glycoforms of Sialoadhesin and CD45 Are Counter-receptors for the Cysteine-rich Domain of the Mannose Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 35211-35218. | 3.4 | 88 |
| 69 | Sialoadhesin-Deficient Mice Exhibit Subtle Changes in B- and T-Cell Populations and Reduced Immunoglobulin M Levels. <i>Molecular and Cellular Biology</i> , 2006, 26, 1549-1557. | 2.3 | 88 |
| 70 | MUC1 Is a Counter-Receptor for Myelin-Associated Glycoprotein (Siglec-4a) and Their Interaction Contributes to Adhesion in Pancreatic Cancer Perineural Invasion. <i>Cancer Research</i> , 2007, 67, 10222-10229. | 0.9 | 88 |
| 71 | A Versatile Gold Surface Approach for Fabrication and Interrogation of Glycoarrays. <i>ChemBioChem</i> , 2008, 9, 1568-1575. | 2.6 | 88 |
| 72 | Antigen Delivery to Macrophages Using Liposomal Nanoparticles Targeting Sialoadhesin/CD169. <i>PLoS ONE</i> , 2012, 7, e39039. | 2.5 | 87 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Overexpression of MUC1 reconfigures the binding properties of tumor cells. <i>International Journal of Cancer</i> , 2001, 94, 783-791. | 5.1 | 86 |
| 74 | Carbohydrate microarrays reveal sulphation as a modulator of siglec binding. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 1141-1146. | 2.1 | 85 |
| 75 | Characterization of the Specific Interaction between Sialoadhesin and Sialylated <i>Campylobacter jejuni</i> Lipooligosaccharides. <i>Infection and Immunity</i> , 2010, 78, 3237-3246. | 2.2 | 85 |
| 76 | Identification, characterization and leucocyte expression of Siglec-10, a novel human sialic acid-binding receptor. <i>Biochemical Journal</i> , 2001, 355, 489. | 3.7 | 84 |
| 77 | Alteration and acquisition of Siglecs during in vitro maturation of CD34+ progenitors into human mast cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006, 61, 769-776. | 5.7 | 83 |
| 78 | Siglec-7 Undergoes a Major Conformational Change When Complexed with the $\alpha(2,8)$ -Disialylganglioside GT1b. <i>Journal of Biological Chemistry</i> , 2006, 281, 32774-32783. | 3.4 | 82 |
| 79 | Migratory and adhesive cues controlling innate-like lymphocyte surveillance of the pathogen-exposed surface of the lymph node. <i>ELife</i> , 2016, 5, . | 6.0 | 79 |
| 80 | Sialoadhesin in recognition of self and non-self. <i>Seminars in Immunopathology</i> , 2012, 34, 353-364. | 6.1 | 77 |
| 81 | Human Siglec-10 can bind to vascular adhesion protein-1 and serves as its substrate. <i>Blood</i> , 2009, 114, 5385-5392. | 1.4 | 76 |
| 82 | CD33-related siglecs as potential modulators of inflammatory responses. <i>Annals of the New York Academy of Sciences</i> , 2012, 1253, 102-111. | 3.8 | 75 |
| 83 | Sialoadhesin-Positive Macrophages Bind Regulatory T Cells, Negatively Controlling Their Expansion and Autoimmune Disease Progression. <i>Journal of Immunology</i> , 2009, 182, 6508-6516. | 0.8 | 74 |
| 84 | Probing the cis interactions of the inhibitory receptor Siglec-7 with $\alpha(2,8)$ -disialylated ligands on natural killer cells and other leukocytes using glycan-specific antibodies and by analysis of $\alpha(2,8)$ -sialyltransferase gene expression. <i>Journal of Leukocyte Biology</i> , 2006, 80, 787-796. | 3.3 | 72 |
| 85 | Eosinophil-Selective Binding and Proapoptotic Effect in Vitro of a Synthetic Siglec-8 Ligand, Polymeric $\alpha(2,8)$ -Sulfated Sialyl Lewis X. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 608-612. | 2.5 | 72 |
| 86 | <i>Campylobacter jejuni</i> Lipooligosaccharides Modulate Dendritic Cell-Mediated T Cell Polarization in a Sialic Acid Linkage-Dependent Manner. <i>Infection and Immunity</i> , 2011, 79, 2681-2689. | 2.2 | 72 |
| 87 | Sialoadhesin Promotes Rapid Proinflammatory and Type I IFN Responses to a Sialylated Pathogen, <i>Campylobacter jejuni</i> . <i>Journal of Immunology</i> , 2012, 189, 2414-2422. | 0.8 | 71 |
| 88 | The structure of siglec-7 in complex with sialosides: leads for rational structure-based inhibitor design. <i>Biochemical Journal</i> , 2006, 397, 271-278. | 3.7 | 70 |
| 89 | Siglec-E Is Up-Regulated and Phosphorylated Following Lipopolysaccharide Stimulation in Order to Limit TLR-Driven Cytokine Production. <i>Journal of Immunology</i> , 2009, 183, 7703-7709. | 0.8 | 70 |
| 90 | Pseudaminic Acid on <i>Campylobacter jejuni</i> Flagella Modulates Dendritic Cell IL-10 Expression via Siglec-10 Receptor: A Novel Flagellin-Host Interaction. <i>Journal of Infectious Diseases</i> , 2014, 210, 1487-1498. | 4.0 | 70 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | The potential role of sialoadhesin as a macrophage recognition molecule in health and disease. <i>Glycoconjugate Journal</i> , 1997, 14, 601-609. | 2.7 | 67 |
| 92 | Myelin-associated Glycoprotein Binding to Gangliosides: Structural Specificity and Functional Implications. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 92-105. | 3.8 | 66 |
| 93 | Sialic acids acquired by <i>Pseudomonas aeruginosa</i> are involved in reduced complement deposition and siglec mediated host-cell recognition. <i>FEBS Letters</i> , 2010, 584, 555-561. | 2.8 | 66 |
| 94 | Inverse hormesis of cancer growth mediated by narrow ranges of tumor-directed antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5998-6003. | 7.1 | 64 |
| 95 | Individual plasmacytoid dendritic cells are major contributors to the production of multiple innate cytokines in an organ-specific manner during viral infection. <i>International Immunology</i> , 2008, 20, 45-56. | 4.0 | 63 |
| 96 | Analysis of lectin binding to glycolipid complexes using combinatorial glycoarrays. <i>Glycobiology</i> , 2009, 19, 789-796. | 2.5 | 57 |
| 97 | Identification and characterization of adsorbed serum sialoglycans on <i>Leishmania donovani</i> promastigotes. <i>Glycobiology</i> , 2003, 13, 351-361. | 2.5 | 56 |
| 98 | SOCS3 Targets Siglec 7 for Proteasomal Degradation and Blocks Siglec 7-mediated Responses. <i>Journal of Biological Chemistry</i> , 2007, 282, 3418-3422. | 3.4 | 55 |
| 99 | Molecular analysis of sialoside binding to sialoadhesin by NMR and site-directed mutagenesis. <i>Biochemical Journal</i> , 1999, 341, 355-361. | 3.7 | 54 |
| 100 | Analysis of the CD33-related siglec family reveals that Siglec-9 is an endocytic receptor expressed on subsets of acute myeloid leukemia cells and absent from normal hematopoietic progenitors. <i>Leukemia Research</i> , 2007, 31, 211-220. | 0.8 | 54 |
| 101 | Plasmacytoid Dendritic Cells Do Not Migrate in Intestinal or Hepatic Lymph. <i>Journal of Immunology</i> , 2006, 177, 6115-6121. | 0.8 | 53 |
| 102 | O-glycans direct selectin ligands to lipid rafts on leukocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8661-8666. | 7.1 | 53 |
| 103 | Siglec-E Promotes β 2-Integrin-dependent NADPH Oxidase Activation to Suppress Neutrophil Recruitment to the Lung. <i>Journal of Biological Chemistry</i> , 2014, 289, 20370-20376. | 3.4 | 52 |
| 104 | Sialoadhesin deficiency ameliorates myelin degeneration and axonopathic changes in the CNS of PLP overexpressing mice. <i>Neurobiology of Disease</i> , 2007, 25, 105-111. | 4.4 | 51 |
| 105 | Developmental, Malignancy-Related, and Cross-Species Analysis of Eosinophil, Mast Cell, and Basophil Siglec-8 Expression. <i>Journal of Clinical Immunology</i> , 2011, 31, 1045-1053. | 3.8 | 50 |
| 106 | A novel subset of murine B cells that expresses unmasked forms of CD22 is enriched in the bone marrow: implications for B-cell homing to the bone marrow. <i>Immunology</i> , 2000, 101, 342-347. | 4.4 | 48 |
| 107 | Lectin Receptors Expressed on Myeloid Cells. <i>Microbiology Spectrum</i> , 2016, 4, . | 3.0 | 48 |
| 108 | Sialoadhesin-Positive Host Macrophages Play an Essential Role in Graft-Versus-Leukemia Reactivity in Mice. <i>Blood</i> , 1999, 93, 4375-4386. | 1.4 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Siglec and anti-Siglec therapies. <i>Current Opinion in Chemical Biology</i> , 2021, 62, 34-42. | 6.1 | 47 |
| 110 | Ganglioside binding pattern of CD33-related siglecs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 675-678. | 2.2 | 45 |
| 111 | Identification of Sialoadhesin as a Dominant Lymph Node Counter-receptor for Mouse Macrophage Galactose-type C-type Lectin 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 49274-49280. | 3.4 | 45 |
| 112 | Sialoadhesin Promotes the Inflammatory Response in Experimental Autoimmune Uveoretinitis. <i>Journal of Immunology</i> , 2006, 177, 2258-2264. | 0.8 | 45 |
| 113 | Early Murine T-lymphocyte Activation Is Accompanied by a Switch from N-Glycolyl- to N-Acetyl-neuraminic Acid and Generation of Ligands for Siglec-E. <i>Journal of Biological Chemistry</i> , 2011, 286, 34522-34532. | 3.4 | 42 |
| 114 | Negative regulation of leucocyte functions by CD33-related siglecs. <i>Biochemical Society Transactions</i> , 2006, 34, 1024-1027. | 3.4 | 41 |
| 115 | Galactose 6-O-Sulfotransferases Are Not Required for the Generation of Siglec-F Ligands in Leukocytes or Lung Tissue. <i>Journal of Biological Chemistry</i> , 2013, 288, 26533-26545. | 3.4 | 41 |
| 116 | Role of macrophage sialoadhesin in host defense against the sialylated pathogen group B <i>Streptococcus</i> . <i>Journal of Molecular Medicine</i> , 2014, 92, 951-959. | 3.9 | 41 |
| 117 | New Functions for the Sialic Acid-Binding Adhesion Molecule CD22, a Member of the Growing Family of Siglecs. <i>Scandinavian Journal of Immunology</i> , 2001, 53, 227-234. | 2.7 | 40 |
| 118 | CD33-related sialic-acid-binding immunoglobulin-like lectins in health and disease. <i>Carbohydrate Research</i> , 2008, 343, 2050-2056. | 2.3 | 40 |
| 119 | Attenuated demyelination in the absence of the macrophage-restricted adhesion molecule sialoadhesin (Siglec-1) in mice heterozygously deficient in PO. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 685-691. | 2.2 | 38 |
| 120 | Mouse Siglec-1 Mediates trans-Infection of Surface-bound Murine Leukemia Virus in a Sialic Acid N-Acyl Side Chain-dependent Manner. <i>Journal of Biological Chemistry</i> , 2015, 290, 27345-27359. | 3.4 | 38 |
| 121 | Enhancing the Receptor Affinity of the Sialic Acid-binding Domain of <i>Vibrio cholerae</i> Sialidase through Multivalency. <i>Journal of Biological Chemistry</i> , 2009, 284, 7339-7351. | 3.4 | 37 |
| 122 | Is colony-stimulating factor-1 a key mediator of breast cancer invasion and metastasis?. <i>Molecular Carcinogenesis</i> , 1993, 7, 207-211. | 2.7 | 35 |
| 123 | Lymph node macrophages, but not spleen macrophages, express high levels of unmasked sialoadhesin: implication for the adhesive properties of macrophages in vivo. <i>Glycobiology</i> , 2002, 12, 209-216. | 2.5 | 32 |
| 124 | Crystallographic and in Silico Analysis of the Sialoside-binding Characteristics of the Siglec Sialoadhesin. <i>Journal of Molecular Biology</i> , 2007, 365, 1469-1479. | 4.2 | 30 |
| 125 | Chemoenzymatic synthesis of sialooligosaccharides on arrays for studies of cell surface adhesion. <i>Chemical Communications</i> , 2011, 47, 5425-5427. | 4.1 | 30 |
| 126 | Differential Expression of β -Galactoside α 2,6 Sialyltransferase and Sialoglycans in Normal and Cirrhotic Liver and Hepatocellular Carcinoma. <i>Laboratory Investigation</i> , 2002, 82, 1515-1524. | 3.7 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Probing sialic acid binding Ig-like lectins (siglecs) with sulfated oligosaccharides. <i>Biochemistry (Moscow)</i> , 2006, 71, 496-504. | 1.5 | 29 |
| 128 | Glycopeptides as Oligosaccharide Mimics: High Affinity Sialopeptide Ligands for Sialoadhesin from Combinatorial Libraries. <i>ACS Combinatorial Science</i> , 2003, 5, 18-27. | 3.3 | 28 |
| 129 | Glycoimmunology: ignore at your peril!. <i>Immunological Reviews</i> , 2009, 230, 5-8. | 6.0 | 28 |
| 130 | Molecular analysis of sialoside binding to sialoadhesin by NMR and site-directed mutagenesis. <i>Biochemical Journal</i> , 1999, 341, 355. | 3.7 | 27 |
| 131 | Identification of lectin counter-receptors on cell membranes by proximity labeling. <i>Glycobiology</i> , 2017, 27, 800-805. | 2.5 | 27 |
| 132 | Discovery of a new sialic acid binding region that regulates Siglec-7. <i>Scientific Reports</i> , 2020, 10, 8647. | 3.3 | 25 |
| 133 | Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>IScience</i> , 2020, 23, 101231. | 4.1 | 24 |
| 134 | Sialoadhesin (Sn) Maps to Mouse Chromosome 2 and Human Chromosome 20 and Is Not Linked to the Other Members of the Sialoadhesin Family, CD22, MAG, and CD33. <i>Genomics</i> , 1995, 28, 344-346. | 2.9 | 22 |
| 135 | The antigen recognized by MOMA-1 is sialoadhesin. <i>Immunology Letters</i> , 2006, 106, 96-98. | 2.5 | 22 |
| 136 | Sialoadhesin Ligand Expression Identifies a Subset of CD4 ⁺ Foxp3 ⁺ T Cells with a Distinct Activation and Glycosylation Profile. <i>Journal of Immunology</i> , 2013, 190, 2593-2602. | 0.8 | 22 |
| 137 | Expression of Siglec-E Alters the Proteome of Lipopolysaccharide (LPS)-Activated Macrophages but Does Not Affect LPS-Driven Cytokine Production or Toll-Like Receptor 4 Endocytosis. <i>Frontiers in Immunology</i> , 2017, 8, 1926. | 4.8 | 22 |
| 138 | Differences in the constitutive and SIV infection induced expression of Siglecs by hematopoietic cells from non-human primates. <i>Cellular Immunology</i> , 2007, 250, 91-104. | 3.0 | 21 |
| 139 | Analysis of sialoadhesin expression on mouse alveolar macrophages. <i>Immunology Letters</i> , 2009, 124, 77-80. | 2.5 | 20 |
| 140 | Siglec-F-dependent negative regulation of allergen-induced eosinophilia depends critically on the experimental model. <i>Immunology Letters</i> , 2014, 160, 11-16. | 2.5 | 20 |
| 141 | Siglec-15 recognition of sialoglycans on tumor cell lines can occur independently of sialyl Tn antigen expression. <i>Glycobiology</i> , 2021, 31, 44-54. | 2.5 | 19 |
| 142 | Ultrastructural Localisation of Sialoadhesin (Siglec-1) on Macrophages in Rodent Lymphoid Tissues. <i>Immunobiology</i> , 2000, 202, 309-325. | 1.9 | 18 |
| 143 | Fluorescent carbohydrate probes for cell lectins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2285-2296. | 3.9 | 17 |
| 144 | Siglec-E retards atherosclerosis by inhibiting CD36-mediated foam cell formation. <i>Journal of Biomedical Science</i> , 2021, 28, 5. | 7.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Complex of sialoadhesin with a glycopeptide ligand. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1702, 173-179. | 2.3 | 16 |
| 146 | Tumor Necrosis Factor-Mediated Survival of CD169 ⁺ Cells Promotes Immune Activation during Vesicular Stomatitis Virus Infection. <i>Journal of Virology</i> , 2018, 92, . | 3.4 | 16 |
| 147 | Characterisation of the Dynamic Interactions between Complex N-Glycans and Human CD22. <i>ChemBioChem</i> , 2020, 21, 129-140. | 2.6 | 16 |
| 148 | Peripheral prion disease pathogenesis is unaltered in the absence of sialoadhesin (Siglec-1/CD169). <i>Immunology</i> , 2014, 143, 120-129. | 4.4 | 14 |
| 149 | PECAM-1 and Leukosialin (CD43) Expression Correlate with Heightened Inflammation in Rat Adjuvant-Induced Arthritis. <i>Experimental and Molecular Pathology</i> , 1999, 66, 211-219. | 2.1 | 13 |
| 150 | Sialoadhesin Expression in Intact Degenerating Retinas and Following Transplantation. , 2008, 49, 5602. | | 13 |
| 151 | An expression system for screening of proteins for glycan and protein interactions. <i>Analytical Biochemistry</i> , 2011, 411, 261-270. | 2.4 | 13 |
| 152 | Non-invasive molecular imaging of inflammatory macrophages in allograft rejection. <i>EJNMMI Research</i> , 2015, 5, 69. | 2.5 | 11 |
| 153 | Detection of mSiglec-E, in solution and expressed on the surface of Chinese hamster ovary cells, using sialic acid functionalised gold nanoparticles. <i>Analyst, The</i> , 2016, 141, 5799-5809. | 3.5 | 10 |
| 154 | Siglec-7 Mediates Immunomodulation by Colorectal Cancer-Associated <i>Fusobacterium nucleatum</i> ssp. <i>animalis</i> . <i>Frontiers in Immunology</i> , 2021, 12, 744184. | 4.8 | 10 |
| 155 | Characterization of Siglec-5, a Novel Glycoprotein Expressed on Myeloid Cells Related to CD33. <i>Blood</i> , 1998, 92, 2123-2132. | 1.4 | 10 |
| 156 | Constitutively hyposialylated human T-lymphocyte clones in the Tn-syndrome: binding characteristics of plant and animal lectins. <i>Glycoconjugate Journal</i> , 1996, 13, 567-573. | 2.7 | 9 |
| 157 | PEGylation of Anti-Sialoadhesin Monoclonal Antibodies Enhances Their Inhibitory Potencies without Impairing Endocytosis in Mouse Peritoneal Macrophages. <i>Bioconjugate Chemistry</i> , 2009, 20, 295-303. | 3.6 | 9 |
| 158 | Dissemination of <i>Mycobacterium tuberculosis</i> is associated to a SIGLEC1 null variant that limits antigen exchange via trafficking extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12046. | 12.2 | 9 |
| 159 | Behavior of glycolylated sialoglycans in the binding pockets of murine and human CD22. <i>IScience</i> , 2021, 24, 101998. | 4.1 | 8 |
| 160 | New I-type lectins of the CD 33-related siglec subgroup identified through genomics. <i>Biochemical Society Symposia</i> , 2002, 69, 83-94. | 2.7 | 7 |
| 161 | Characterization of the mouse sialoadhesin gene, Sn. <i>Mammalian Genome</i> , 1997, 8, 934-937. | 2.2 | 5 |
| 162 | The Inhibitory Potencies of Monoclonal Antibodies to the Macrophage Adhesion Molecule Sialoadhesin Are Greatly Increased Following PEGylation. <i>Bioconjugate Chemistry</i> , 2008, 19, 2088-2094. | 3.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Sialoadhesin deficiency does not influence the severity of lupus nephritis in New Zealand Black x New Zealand White F1 mice. <i>Arthritis Research and Therapy</i> , 2013, 15, R175. | 3.5 | 5 |
| 164 | Correction: The Interaction of MUC1 and Myelin-Associated Glycoprotein. <i>Cancer Research</i> , 2008, 68, 338-338. | 0.9 | 4 |
| 165 | Quantitative Proteomics of Polarised Macrophages Derived from Induced Pluripotent Stem Cells. <i>Biomedicines</i> , 2022, 10, 239. | 3.2 | 3 |
| 166 | Lectin Receptors Expressed on Myeloid Cells. , 0, , 455-483. | | 2 |
| 167 | Towards understanding the cell surface phenotype, metabolic properties and immune functions of resident macrophages of the peritoneal cavity and splenic red pulp using high resolution quantitative proteomics. <i>Wellcome Open Research</i> , 0, 5, 165. | 1.8 | 2 |
| 168 | Glycomics of the Immune System. , 2010, , 235-261. | | 1 |
| 169 | Synthetic Glycans, Glycoarrays, and Glyconanoparticles To Investigate Host Infection by <i>Trypanosoma cruzi</i> . <i>ACS Symposium Series</i> , 2011, , 143-159. | 0.5 | 1 |
| 170 | Introduction to Special Issue: 'Emerging Roles of Siglecs in Health and Disease'. <i>Glycobiology</i> , 2014, 24, 784-784. | 2.5 | 1 |
| 171 | Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses. <i>Wellcome Open Research</i> , 2021, 6, 134. | 1.8 | 1 |
| 172 | Does the cellular glycome influence the binding properties and signalling functions of siglecs in the immune system?. <i>International Journal of Experimental Pathology</i> , 2004, 85, A50-A50. | 1.3 | 0 |
| 173 | 3P-066 Docking simulation and biochemical analyses of sialylated glycan recognition of sialic acid binding Ig-like lectin (Siglec)-7 (Protein:Function, The 47th Annual Meeting of the Biophysical Society of Tj ETQq1 10.1784314orgBT /Ore | | |
| 174 | Siglec-E is up-regulated and phosphorylated following lipopolysaccharide stimulation in order to limit TLR-driven cytokine production. <i>Journal of Immunology</i> , 2010, 184, 1655-1655. | 0.8 | 0 |
| 175 | Sialylation and Immune Surveillance of Cancer by Siglecs. , 2016, , 125-138. | | 0 |
| 176 | Dualistic role of tumor-directed antibodies on carcinoma progression. <i>FASEB Journal</i> , 2012, 26, 999.3. | 0.5 | 0 |
| 177 | Siglec-E Retards Atherosclerosis by Inhibiting CD36-Mediated Foam Cell Formation. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |