

Eiji Miyoshi

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,616
citations

257101

24
h-index

197535

49
g-index

72
all docs

72
docs citations

72
times ranked

3623
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | From The Cover: Dysregulation of TGF- β 1 receptor activation leads to abnormal lung development and emphysema-like phenotype in core fucose-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15791-15796. | 3.3 | 413 |
| 2 | Biological Function of Fucosylation in Cancer Biology. <i>Journal of Biochemistry</i> , 2007, 143, 725-729. | 0.9 | 329 |
| 3 | Fucosylation Is a Promising Target for Cancer Diagnosis and Therapy. <i>Biomolecules</i> , 2012, 2, 34-45. | 1.8 | 132 |
| 4 | Site-specific analysis of N-glycans on haptoglobin in sera of patients with pancreatic cancer: A novel approach for the development of tumor markers. <i>International Journal of Cancer</i> , 2008, 122, 2301-2309. | 2.3 | 125 |
| 5 | Fucosylated haptoglobin is a novel marker for pancreatic cancer: Detailed analyses of oligosaccharide structures. <i>Proteomics</i> , 2008, 8, 3257-3262. | 1.3 | 100 |
| 6 | Core Fucosylation on T Cells, Required for Activation of T-Cell Receptor Signaling and Induction of Colitis in Mice, Is Increased in Patients With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2016, 150, 1620-1632. | 0.6 | 93 |
| 7 | Deficiency of GMDS Leads to Escape from NK Cell-Mediated Tumor Surveillance Through Modulation of TRAIL Signaling. <i>Gastroenterology</i> , 2009, 137, 188-198.e2. | 0.6 | 92 |
| 8 | Rab11a is required for apical protein localisation in the intestine. <i>Biology Open</i> , 2015, 4, 86-94. | 0.6 | 78 |
| 9 | Phenotype Changes of Fut8 Knockout Mouse: Core Fucosylation Is Crucial for the Function of Growth Factor Receptor(s). <i>Methods in Enzymology</i> , 2006, 417, 11-22. | 0.4 | 72 |
| 10 | Possible involvement of Enterococcus infection in the pathogenesis of chronic pancreatitis and cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 962-969. | 1.0 | 69 |
| 11 | A novel noninvasive diagnostic method for nonalcoholic steatohepatitis using two glycobiomarkers. <i>Hepatology</i> , 2015, 62, 1433-1443. | 3.6 | 61 |
| 12 | Serum Fucosylated Haptoglobin as a Novel Diagnostic Biomarker for Predicting Hepatocyte Ballooning and Nonalcoholic Steatohepatitis. <i>PLoS ONE</i> , 2013, 8, e66328. | 1.1 | 59 |
| 13 | Pancreatic Fatty Degeneration and Fibrosis as Predisposing Factors for the Development of Pancreatic Ductal Adenocarcinoma. <i>Pancreas</i> , 2014, 43, 1032-1041. | 0.5 | 57 |
| 14 | Fetuin-A negatively correlates with liver and vascular fibrosis in nonalcoholic fatty liver disease subjects. <i>Liver International</i> , 2015, 35, 925-935. | 1.9 | 54 |
| 15 | Serum Mac-2 binding protein levels as a novel diagnostic biomarker for prediction of disease severity and nonalcoholic steatohepatitis. <i>Proteomics - Clinical Applications</i> , 2013, 7, 648-656. | 0.8 | 51 |
| 16 | Serum fucosylated haptoglobin as a novel prognostic biomarker predicting high-Gleason prostate cancer. <i>Prostate</i> , 2014, 74, 1052-1058. | 1.2 | 49 |
| 17 | The Rab11-binding protein RELCH/KIAA1468 controls intracellular cholesterol distribution. <i>Journal of Cell Biology</i> , 2018, 217, 1777-1796. | 2.3 | 43 |
| 18 | Site-specific and linkage analyses of fucosylated N-glycans on haptoglobin in sera of patients with various types of cancer: possible implication for the differential diagnosis of cancer. <i>Glycoconjugate Journal</i> , 2016, 33, 471-482. | 1.4 | 40 |

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|----|---|-----|-----------|
| 19 | Use of Mac-2 binding protein as a biomarker for nonalcoholic fatty liver disease diagnosis. <i>Hepatology Communications</i> , 2017, 1, 780-791. | 2.0 | 38 |
| 20 | Involvement of Aberrant Glycosylation in Thyroid Cancer. <i>Journal of Oncology</i> , 2010, 2010, 1-7. | 0.6 | 34 |
| 21 | Core fucose is critical for CD14-dependent Toll-like receptor 4 signaling. <i>Glycobiology</i> , 2017, 27, 1006-1015. | 1.3 | 32 |
| 22 | The effect of epigenetic regulation of fucosylation on TRAIL-induced apoptosis. <i>Glycoconjugate Journal</i> , 2010, 27, 649-659. | 1.4 | 31 |
| 23 | Glyco-redox, a link between oxidative stress and changes of glycans: Lessons from research on glutathione, reactive oxygen and nitrogen species to glycobiology. <i>Archives of Biochemistry and Biophysics</i> , 2016, 595, 72-80. | 1.4 | 31 |
| 24 | The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18697-18702. | 7.2 | 29 |
| 25 | Mutation of GDP-Mannose-4,6-Dehydratase in Colorectal Cancer Metastasis. <i>PLoS ONE</i> , 2013, 8, e70298. | 1.1 | 28 |
| 26 | Upregulation of N-acetylglucosaminyltransferase-V by heparin-binding EGF-like growth factor induces keratinocyte proliferation and epidermal hyperplasia. <i>Experimental Dermatology</i> , 2012, 21, 515-519. | 1.4 | 23 |
| 27 | Establishment of a novel lectin-antibody ELISA system to determine core-fucosylated haptoglobin. <i>Clinica Chimica Acta</i> , 2015, 446, 30-36. | 0.5 | 23 |
| 28 | Application of glycoscience to the early detection of pancreatic cancer. <i>Cancer Science</i> , 2016, 107, 1357-1362. | 1.7 | 23 |
| 29 | Development of Gal-1 Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4526-4530. | 7.2 | 23 |
| 30 | Decreased fucosylated PSA as a urinary marker for high Gleason score prostate cancer. <i>Oncotarget</i> , 2016, 7, 56643-56649. | 0.8 | 23 |
| 31 | Role of aberrant IgG glycosylation in the pathogenesis of inflammatory bowel disease. <i>Proteomics - Clinical Applications</i> , 2016, 10, 384-390. | 0.8 | 22 |
| 32 | Core fucose is essential glycosylation for CD14-dependent Toll-like receptor 4 and Toll-like receptor 2 signalling in macrophages. <i>Journal of Biochemistry</i> , 2019, 165, 227-237. | 0.9 | 22 |
| 33 | Physiological roles of N-acetylglucosaminyltransferase V (GnT-V) in mice. <i>BMB Reports</i> , 2012, 45, 554-559. | 1.1 | 21 |
| 34 | Cancer biomarkers for hepatocellular carcinomas: from traditional markers to recent topics. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 959-66. | 1.4 | 19 |
| 35 | Combination use of anti-CD133 antibody and SSA lectin can effectively enrich cells with high tumorigenicity. <i>Cancer Science</i> , 2011, 102, 1164-1170. | 1.7 | 17 |
| 36 | Core-fucosylation plays a pivotal role in hepatitis B pseudo virus infection: a possible implication for HBV glycotherapy. <i>Glycobiology</i> , 2016, 26, 1180-1189. | 1.3 | 17 |

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|----|---|-----|-----------|
| 37 | Functional glycomics: Application to medical science and hepatology. <i>Hepatology Research</i> , 2020, 50, 153-164. | 1.8 | 17 |
| 38 | High Dye-Loaded and Thin-Shell Fluorescent Polymeric Nanoparticles for Enhanced FRET Imaging of Protein-Specific Sialylation on the Cell Surface. <i>Analytical Chemistry</i> , 2020, 92, 13271-13280. | 3.2 | 16 |
| 39 | Establishment and characterization of a fucosylated α -fetoprotein-specific monoclonal antibody: a potential application for clinical research. <i>Scientific Reports</i> , 2019, 9, 12359. | 1.6 | 15 |
| 40 | Rab11-mediated post-Golgi transport of the sialyltransferase ST3GAL4 suggests a new mechanism for regulating glycosylation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100354. | 1.6 | 13 |
| 41 | Branched-chain amino acids protect the liver from cirrhotic injury via suppression of activation of lipopolysaccharide-binding protein, toll-like receptor 4, and signal transducer and activator of transcription 3, as well as <i>Enterococcus faecalis</i> translocation. <i>Nutrition</i> , 2021, 86, 111194. | 1.1 | 13 |
| 42 | Development of α -1,6-fucosyltransferase inhibitors through the diversity-oriented syntheses of GDP-fucose mimics using the coupling between alkyne and sulfonyl azide. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2844-2850. | 1.4 | 12 |
| 43 | Serum core-type fucosylated prostate-specific antigen index for the detection of high-risk prostate cancer. <i>International Journal of Cancer</i> , 2021, 148, 3111-3118. | 2.3 | 12 |
| 44 | Oligosaccharide modification by N-acetylglucosaminyltransferase V in macrophages are involved in pathogenesis of bleomycin-induced scleroderma. <i>Experimental Dermatology</i> , 2015, 24, 585-590. | 1.4 | 11 |
| 45 | Establishment of mouse Mac-2 binding protein enzyme-linked immunosorbent assay and its application for mouse chronic liver disease models. <i>Hepatology Research</i> , 2017, 47, 902-909. | 1.8 | 11 |
| 46 | Serum Mac-2 Binding Protein Levels Associate with Metabolic Parameters and Predict Liver Fibrosis Progression in Subjects with Fatty Liver Disease: A 7-Year Longitudinal Study. <i>Nutrients</i> , 2020, 12, 1770. | 1.7 | 11 |
| 47 | Elevation of CA19-9-Related Novel Marker, Core 1 Sialyl Lewis A, in Sera of Adenocarcinoma Patients Verified by a SRM-Based Method. <i>Journal of Proteome Research</i> , 2016, 15, 152-165. | 1.8 | 10 |
| 48 | N-Acetylglucosaminyltransferase V exacerbates murine colitis with macrophage dysfunction and enhances colitic tumorigenesis. <i>Journal of Gastroenterology</i> , 2016, 51, 357-369. | 2.3 | 10 |
| 49 | High levels of E4-PHA-reactive oligosaccharides: potential as marker for cells with characteristics of hepatic progenitor cells. <i>Glycoconjugate Journal</i> , 2009, 26, 1213-1223. | 1.4 | 9 |
| 50 | Detection of fucosylated haptoglobin using the 10-7G antibody as a biomarker for evaluating endoscopic remission in ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2021, 27, 162-175. | 1.4 | 8 |
| 51 | Simultaneous analysis of serum α -2,3-linked sialylation and core-type fucosylation of prostate-specific antigen for the detection of high-grade prostate cancer. <i>British Journal of Cancer</i> , 2022, 126, 764-770. | 2.9 | 7 |
| 52 | A glycoproteomic approach to identify novel glycomarkers for cancer stem cells. <i>Proteomics</i> , 2016, 16, 3073-3080. | 1.3 | 6 |
| 53 | Development of Gal α 6 Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. <i>Angewandte Chemie</i> , 2019, 131, 4574-4578. | 1.6 | 6 |
| 54 | The blockade of interleukin-33 released by hepatectomy would be a promising treatment option for cholangiocarcinoma. <i>Cancer Science</i> , 2021, 112, 347-358. | 1.7 | 6 |

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|----|---|-----|-----------|
| 55 | Identification of fucosylated haptoglobin-producing cells in pancreatic cancer tissue and its molecular mechanism. <i>Glycoconjugate Journal</i> , 2021, 38, 45-54. | 1.4 | 6 |
| 56 | <i>Enterococcus</i> spp. have higher fitness for survival, in a pH-dependent manner, in pancreatic juice among duodenal bacterial flora. <i>JGH Open</i> , 2022, 6, 85-90. | 0.7 | 6 |
| 57 | Oligosaccharide-dependent anti-inflammatory role of galectin-1 for macrophages in ulcerative colitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 2158-2169. | 1.4 | 5 |
| 58 | Fucosylation in Urological Cancers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13333. | 1.8 | 5 |
| 59 | Ectopic expression of N-acetylglucosaminyltransferase V accelerates hepatic triglyceride synthesis. <i>Hepatology Research</i> , 2016, 46, E118-29. | 1.8 | 4 |
| 60 | Hepatic aberrant glycosylation by N-acetylglucosaminyltransferase V accelerates HDL assembly. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G859-G868. | 1.6 | 4 |
| 61 | Characterisation of N-glycans in the epithelial-like tissue of the rat cochlea. <i>Scientific Reports</i> , 2019, 9, 1551. | 1.6 | 4 |
| 62 | A difference of human posture between beginner and expert during lifting a heavy load. , 2014, , . | | 3 |
| 63 | Serum Mac-2 binding protein level predicts the development of liver-related events and colorectal cancer in patients with NAFLD. <i>Hepatology Communications</i> , 2022, 6, 1527-1536. | 2.0 | 3 |
| 64 | Effectiveness evaluation of waist support tool through human posture balance. , 2014, , . | | 2 |
| 65 | The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie</i> , 2019, 131, 18870-18875. | 1.6 | 2 |
| 66 | Challenges in the Application of Glyco-Technology to Hepatitis B Virus Therapy and Diagnosis. <i>Viruses</i> , 2021, 13, 1860. | 1.5 | 2 |
| 67 | Establishment of monoclonal antibodies broadly neutralize infection of hepatitis B virus. <i>Microbiology and Immunology</i> , 2022, , . | 0.7 | 2 |
| 68 | Loss of Rab6a in the small intestine causes lipid accumulation and epithelial cell death from lactation. <i>FASEB Journal</i> , 2020, 34, 9450-9465. | 0.2 | 1 |
| 69 | Mac-2 Binding Protein is a Useful Liver Fibrosis Biomarker for NAFLD/NASH. <i>Trends in Glycoscience and Glycotechnology</i> , 2017, 29, E85-E92. | 0.0 | 1 |
| 70 | Loss of core fucosylation reduces low-density lipoprotein receptor expression in hepatocytes by inducing PCSK9 production. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 682-688. | 1.0 | 0 |
| 71 | Proscillaridin A Sensitizes Human Colon Cancer Cells to TRAIL-Induced Cell Death. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6973. | 1.8 | 0 |