Angel Ashikov

List of Publications by Year
in descending order

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38 papers	1,880 citations	257450 24 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	2817 citing authors

#	Article	IF	Citations
1	A Syndrome with Congenital Neutropenia and Mutations inG6PC3. New England Journal of Medicine, 2009, 360, 32-43.	27.0	331
2	NANS-mediated synthesis of sialic acid is required for brain and skeletal development. Nature Genetics, 2016, 48, 777-784.	21.4	125
3	ATP6AP1 deficiency causes an immunodeficiency with hepatopathy, cognitive impairment and abnormal protein glycosylation. Nature Communications, 2016, 7, 11600.	12.8	110
4	C.Âelegans DPY-19 Is a C-Mannosyltransferase Glycosylating Thrombospondin Repeats. Molecular Cell, 2013, 50, 295-302.	9.7	106
5	The Human Solute Carrier Gene SLC35B4 Encodes a Bifunctional Nucleotide Sugar Transporter with Specificity for UDP-Xylose and UDP-N-Acetylglucosamine. Journal of Biological Chemistry, 2005, 280, 27230-27235.	3.4	100
6	Structure and function of nucleotide sugar transporters: Current progress. Computational and Structural Biotechnology Journal, 2014, 10, 23-32.	4.1	91
7	CCDC115 Deficiency Causes a Disorder of Golgi Homeostasis with Abnormal Protein Glycosylation. American Journal of Human Genetics, 2016, 98, 310-321.	6.2	88
8	Molecular Cloning of a Xylosyltransferase That Transfers the Second Xylose to O-Glucosylated Epidermal Growth Factor Repeats of Notch. Journal of Biological Chemistry, 2012, 287, 2739-2748.	3.4	76
9	TMEM199 Deficiency Is a Disorder of Golgi Homeostasis Characterized by Elevated Aminotransferases, Alkaline Phosphatase, and Cholesterol and Abnormal Glycosylation. American Journal of Human Genetics, 2016, 98, 322-330.	6.2	73
10	Human ISPD Is a Cytidyltransferase Required for Dystroglycan O-Mannosylation. Chemistry and Biology, 2015, 22, 1643-1652.	6.0	67
11	Functional UDP-xylose Transport across the Endoplasmic Reticulum/Golgi Membrane in a Chinese Hamster Ovary Cell Mutant Defective in UDP-xylose Synthase. Journal of Biological Chemistry, 2009, 284, 2576-2583.	3.4	61
12	Mutations in SLC35A3 cause autism spectrum disorder, epilepsy and arthrogryposis. Journal of Medical Genetics, 2013, 50, 733-739.	3.2	55
13	TNF-Î±â€“induced protein 3 (TNFAIP3) /A20 acts as a master switch in TNF-Î± blockadeâ€“driven IL-17A expression. Journal of Allergy and Clinical Immunology, 2018, 142, 517-529.	2.9	52
14	Endoplasmic reticulum retention of the large splice variant of the UDP-galactose transporter is caused by a dilysine motif. Glycobiology, 2005, 15, 905-911.	2.5	49
15	Arabidopsis ROCK1 transports UDP-GlcNAc/UDP-GalNAc and regulates ER protein quality control and cytokinin activity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 291-296.	7.1	45
16	A CMP-sialic acid transporter cloned from Arabidopsis thaliana. Carbohydrate Research, 2008, 343, 2148-2152.	2.3	42
17	Intellectual disability and bleeding diathesis due to deficient CMPâ€“sialic acid transport. Neurology, 2013, 81, 681-687.	1.1	42
18	Sialic Acid Glycoengineering Using an Unnatural Sialic Acid for the Detection of Sialoglycan Biosynthesis Defects and On-Cell Synthesis of Siglec Ligands. ACS Chemical Biology, 2015, 10, 2353-2363.	3.4	38

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19	Integrating glycomics and genomics uncovers SLC10A7 as essential factor for bone mineralization by regulating post-Golgi protein transport and glycosylation. Human Molecular Genetics, 2018, 27, 3029-3045.	2.9	37
20	Clinical, neuroradiological, and biochemical features of SLC35A2â€CDG patients. Journal of Inherited Metabolic Disease, 2019, 42, 553-564.	3.6	32
21	Mutations in the Vâ€ATPase Assembly Factor VMA21 Cause a Congenital Disorder of Glycosylation With Autophagic Liver Disease. Hepatology, 2020, 72, 1968-1986.	7.3	32
22	Disease mutations in CMP-sialic acid transporter SLC35A1 result in abnormal Â-dystroglycan O-mannosylation, independent from sialic acid. Human Molecular Genetics, 2015, 24, 2241-2246.	2.9	31
23	LARGE2 generates the same xylose- and glucuronic acid-containing glycan structures as LARGE. Glycobiology, 2013, 23, 303-309.	2.5	28
24	Functional expression of the CMP-sialic acid transporter in Escherichia coli and its identification as a simple mobile carrier. Glycobiology, 2005, 16, 73-81.	2.5	25
25	Cryptococcus neoformans UGT1encodes a UDP-Galactose/UDP-GalNAc transporter. Glycobiology, 2017, 27, 87-98.	2.5	20
26	Activity of N-acylneuraminate-9-phosphatase (NANP) is not essential for de novo sialic acid biosynthesis. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1471-1479.	2.4	18
27	Dynamic tracing of sugar metabolism reveals the mechanisms of action of synthetic sugar analogs. Glycobiology, 2022, 32, 239-250.	2.5	15
28	A mutation in mannoseâ€phosphateâ€dolichol utilization defect 1 reveals clinical symptoms of congenital disorders of glycosylation type I and dystroglycanopathy. JIMD Reports, 2019, 50, 31-39.	1.5	14
29	Congenital disorder of glycosylation caused by starting site-specific variant in syntaxin-5. Nature Communications, 2021, 12, 6227.	12.8	14
30	Cytidine Diphosphate-Ribitol Analysis for Diagnostics and Treatment Monitoring of Cytidine Diphosphate-l-Ribitol Pyrophosphorylase A Muscular Dystrophy. Clinical Chemistry, 2019, 65, 1295-1306.	3.2	11
31	Characterisation of CMPâ€Sialic Acid Transporter Substrate Recognition. ChemBioChem, 2013, 14, 1936-1942.	2.6	10
32	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. European Journal of Pharmacology, 2017, 796, 149-157.	3.5	9
33	Synergistic use of glycomics and singleâ€molecule molecular inversion probes for <scp>identification</scp> of congenital disorders of glycosylation typeâ€1. Journal of Inherited Metabolic Disease, 2022, 45, 769-781.	3.6	7
34	Active site variants in STT3A cause a dominant type I congenital disorder of glycosylation with neuromusculoskeletal findings. American Journal of Human Genetics, 2021, 108, 2130-2144.	6.2	5
35	In Vitro Assays of Orphan Glycosyltransferases and Their Application to Identify Notch Xylosyltransferases. Methods in Molecular Biology, 2013, 1022, 307-320.	0.9	4
36	A Novel Clinical Syndrome Associating Severe Congenital Neutropenia and Complex Developmental Aberrations Caused by Deficiency of G6PC3. Blood, 2008, 112, 5-5.	1.4	3

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37	The Câ€mannosyltransferase. FASEB Journal, 2013, 27, 824.2.	0.5	1
38	UDP-Xylose and UDP-N-Acetylglucosamine Transporter (SLC35B4). , 2014, , 1393-1402.		0