

Hassan Y Naim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

3,322
citations

31
h-index

50
g-index

164
ext. papers

3,934
ext. citations

4.8
avg, IF

5.5
L-index

#	Paper	IF	Citations
153	Hypomorphic variants of lactase-phlorizin hydrolase in congenital lactase deficiency are trafficking incompetent and functionally inactive.. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022 , 1868, 166338	6.9	
152	Adult sucrase-isomaltase deficiency masquerading as IBS. <i>Gut</i> , 2021 ,	19.2	0
151	Rare Hypomorphic Sucrase Isomaltase Variants in Relation to Irritable Bowel Syndrome Risk in UK Biobank. <i>Gastroenterology</i> , 2021 , 161, 1712-1714	13.3	1
150	TRAPECDG shows asymmetric glycosylation and an effect on processing of proteins required in higher organisms. <i>Journal of Medical Genetics</i> , 2021 , 58, 213-216	5.8	6
149	. Can Restore Endoplasmic Reticulum Alterations, Protein Trafficking and Membrane Integrity in a Dextran Sulfate Sodium-Induced Inflammatory Bowel Disease Phenotype. <i>Nutrients</i> , 2021 , 13,	6.7	2
148	Infection Influences the Function of Intestinal Cells by Altering the Lipid Raft-Dependent Sorting of Sucrase-Isomaltase. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 699970	5.7	2
147	The glucose-regulated protein GRP94 interacts avidly in the endoplasmic reticulum with sucrase-isomaltase isoforms that are associated with congenital sucrase-isomaltase deficiency. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 237-243	7.9	0
146	Different Trafficking Phenotypes of Niemann-Pick C1 Gene Mutations Correlate with Various Alterations in Lipid Storage, Membrane Composition and Miglustat Amenability. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
145	A mutation map for human glycoside hydrolase genes. <i>Glycobiology</i> , 2020 , 30, 500-515	5.8	2
144	Polymorphisms in dipeptidyl peptidase 4 reduce host cell entry of Middle East respiratory syndrome coronavirus. <i>Emerging Microbes and Infections</i> , 2020 , 9, 155-168	18.9	53
143	Digestive enzyme expression in the large intestine of children with short bowel syndrome in a late stage of adaptation. <i>FASEB Journal</i> , 2020 , 34, 3983-3995	0.9	2
142	Heat Shock Protein 60 in Hepatocellular Carcinoma: Insights and Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 60	5.6	5
141	Dextran Sodium Sulfate-Induced Impairment of Protein Trafficking and Alterations in Membrane Composition in Intestinal Caco-2 Cell Line. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
140	Protein and membrane trafficking in a dextran sulfate sodium-induced ER stress in absorptive intestinal Caco-2 cells. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
139	Differential Effects of Sucrase-Isomaltase Mutants on Its Trafficking and Function in Irritable Bowel Syndrome: Similarities to Congenital Sucrase-Isomaltase Deficiency. <i>Nutrients</i> , 2020 , 13,	6.7	3
138	Molecular and cellular analysis of intestinal lactase-phlorizin hydrolase gene variants unravel a heterogeneous pathogenic pattern of congenital lactase deficiency. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
137	Mesenchymal to epithelial transition driven by canine distemper virus infection of canine histiocytic sarcoma cells contributes to a reduced cell motility in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 9332-9348	5.6	8

136	Ketogenic Diet: Impact on Cellular Lipids in Hippocampal Murine Neurons. <i>Nutrients</i> , 2020 , 12,	6.7	3
135	Impaired cell surface expression and digestive function of sucrase-isomaltase gene variants are associated with reduced efficacy of low FODMAPs diet in patients with IBS-D. <i>Gut</i> , 2020 , 69, 1538-1539	19.2	6
134	Axonopathy and Reduction of Membrane Resistance: Key Features in a New Murine Model of Human G-Gangliosidosis. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
133	Isolation and Quantification of Sphingosine and Sphinganine from Rat Serum Revealed Gender Differences. <i>Biomolecules</i> , 2019 , 9,	5.9	2
132	Heat Shock Proteins and Ovarian Cancer: Important Roles and Therapeutic Opportunities. <i>Cancers</i> , 2019 , 11,	6.6	24
131	Congenital Lactase Deficiency: Mutations, Functional and Biochemical Implications, and Future Perspectives. <i>Nutrients</i> , 2019 , 11,	6.7	14
130	Different Niemann-Pick C1 Genotypes Generate Protein Phenotypes that Vary in their Intracellular Processing, Trafficking and Localization. <i>Scientific Reports</i> , 2019 , 9, 5292	4.9	18
129	The Multiple Roles and Therapeutic Potential of Molecular Chaperones in Prostate Cancer. <i>Cancers</i> , 2019 , 11,	6.6	21
128	Phylogenetic analysis reveals key residues in substrate hydrolysis in the isomaltase domain of sucrase-isomaltase and its role in starch digestion. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 1410-1416	4	5
127	Cellular and Molecular Adaptation of Arabian Camel to Heat Stress. <i>Frontiers in Genetics</i> , 2019 , 10, 588	4.5	18
126	Heterozygotes Are a Potential New Entity among Homozygotes and Compound Heterozygotes in Congenital Sucrase-Isomaltase Deficiency. <i>Nutrients</i> , 2019 , 11,	6.7	5
125	The Functions and Therapeutic Potential of Heat Shock Proteins in Inflammatory Bowel Disease-An Update. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
124	Niemann-Pick C1 Pathophysiology Associates with Different Classes of Protein Trafficking Phenotypes Elicited by NPC-1 Mutations. <i>FASEB Journal</i> , 2019 , 33, 461.18	0.9	
123	The Vitamin E Derivative Gamma Tocotrienol Promotes Anti-Tumor Effects in Acute Myeloid Leukemia Cell Lines. <i>Nutrients</i> , 2019 , 11,	6.7	7
122	Inflammation induced ER stress affects absorptive intestinal epithelial cells function and integrity. <i>International Immunopharmacology</i> , 2018 , 55, 336-344	5.8	22
121	Quantification of sterols from carp cell lines by using HPLC-MS. <i>Separation Science Plus</i> , 2018 , 1, 11-21	1.1	7
120	Functional variants in the sucrase-isomaltase gene associate with increased risk of irritable bowel syndrome. <i>Gut</i> , 2018 , 67, 263-270	19.2	79
119	Dietary starch breakdown product sensing mobilizes and apically activates α-glucosidases in small intestinal enterocytes. <i>FASEB Journal</i> , 2018 , 32, 3903-3911	0.9	9

118	Posttranslational Processing and Function of Mucosal Maltases. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018 , 66 Suppl 3, S18-S23	2.8	6
117	Impact of Virtual Patients as Optional Learning Material in Veterinary Biochemistry Education. <i>Journal of Veterinary Medical Education</i> , 2018 , 45, 177-187	1.3	6
116	Mechanism of drug extrusion by brain endothelial cells via lysosomal drug trapping and disposal by neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9590-E9599	11.5	20
115	Differential Glycosylation and Modulation of Camel and Human HSP Isoforms in Response to Thermal and Hypoxic Stresses. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	7
114	The HSP90 Family: Structure, Regulation, Function, and Implications in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	170
113	Molecular cloning, cellular expression and characterization of Arabian camel (<i>Camelus dromedarius</i>) endoplasmin. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 574-585	7.9	5
112	Starch Tolerance and the Short Bowel. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018 , 66 Suppl 3, S68-S71	2.8	3
111	Effects of SecDF on the antimicrobial functions of cathelicidins against <i>Staphylococcus aureus</i> . <i>Veterinary Microbiology</i> , 2017 , 200, 52-58	3.3	8
110	Molecular pathogenicity of novel sucrase-isomaltase mutations found in congenital sucrase-isomaltase deficiency patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 817-826	6.9	17
109	Structure-function analysis of human sucrase-isomaltase identifies key residues required for catalytic activity. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11070-11078	5.4	17
108	Case study on the pathophysiology of Fabry disease: abnormalities of cellular membranes can be reversed by substrate reduction. <i>Bioscience Reports</i> , 2017 , 37,	4.1	13
107	Antimicrobial activity of HL-60 cells compared to primary blood-derived neutrophils against <i>Staphylococcus aureus</i> . <i>Journal of Negative Results in BioMedicine</i> , 2017 , 16, 2		16
106	Characterization of Mucosal Disaccharidases from Human Intestine. <i>Nutrients</i> , 2017 , 9,	6.7	10
105	Methods to Study Lipid Alterations in Neutrophils and the Subsequent Formation of Neutrophil Extracellular Traps. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
104	Structural determinants for transport of lactase phlorizin-hydrolase in the early secretory pathway as a multi-domain membrane glycoprotein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 3119-3128	4	2
103	In Vitro Testing of Crude Natural Plant Extracts from Costa Rica for Their Ability to Boost Innate Immune Cells against <i>Staphylococcus aureus</i> . <i>Biomedicines</i> , 2017 , 5,	4.8	3
102	Hypoxia Modulates the Response of Mast Cells to Infection. <i>Frontiers in Immunology</i> , 2017 , 8, 541	8.4	17
101	Differentiation and Functionality of Bone Marrow-Derived Mast Cells Depend on Varying Physiologic Oxygen Conditions. <i>Frontiers in Immunology</i> , 2017 , 8, 1665	8.4	6

100	Utilization and acceptance of virtual patients in veterinary basic sciences - the vetVIP-project. <i>GMS Journal for Medical Education</i> , 2017 , 34, Doc19	0.8	3
99	The Pathobiochemistry of Gastrointestinal Symptoms in a Patient with Niemann-Pick Type C Disease. <i>JIMD Reports</i> , 2016 , 25, 25-29	1.9	4
98	Cross-talk between intestinal epithelial cells and immune cells in inflammatory bowel disease. <i>Scientific Reports</i> , 2016 , 6, 29783	4.9	46
97	Intercellular transfer of P-glycoprotein in human blood-brain barrier endothelial cells is increased by histone deacetylase inhibitors. <i>Scientific Reports</i> , 2016 , 6, 29253	4.9	12
96	The impact of hypoxia on intestinal epithelial cell functions: consequences for invasion by bacterial pathogens. <i>Molecular and Cellular Pediatrics</i> , 2016 , 3, 14	3.3	57
95	The multiple roles of sucrase-isomaltase in the intestinal physiology. <i>Molecular and Cellular Pediatrics</i> , 2016 , 3, 2	3.3	35
94	Endocytosis in enterocytes. <i>Wiener Medizinische Wochenschrift</i> , 2016 , 166, 205-10	2.9	4
93	Prostate-specific membrane antigen (PSMA) assembles a macromolecular complex regulating growth and survival of prostate cancer cells "in vitro" and correlating with progression "in vivo". <i>Oncotarget</i> , 2016 , 7, 74189-74202	3.3	11
92	Formation of Neutrophil Extracellular Traps under Low Oxygen Level. <i>Frontiers in Immunology</i> , 2016 , 7, 518	8.4	45
91	Hypoxia Decreases Invasin-Mediated <i>Yersinia enterocolitica</i> Internalization into Caco-2 Cells. <i>PLoS ONE</i> , 2016 , 11, e0146103	3.7	15
90	Guarea kunthiana Bark Extract Enhances the Antimicrobial Activities of Human and Bovine Neutrophils. <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	0.9	1
89	What to do with high autofluorescence background in pancreatic tissues - an efficient Sudan black B quenching method for specific immunofluorescence labelling. <i>Histopathology</i> , 2016 , 69, 406-22	7.3	22
88	In vitro activity of human and animal cathelicidins against livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> . <i>Veterinary Microbiology</i> , 2016 , 194, 107-111	3.3	16
87	Iron-chelating agent desferrioxamine stimulates formation of neutrophil extracellular traps (NETs) in human blood-derived neutrophils. <i>Bioscience Reports</i> , 2016 , 36,	4.1	19
86	Alterations in membrane trafficking and pathophysiological implications in lysosomal storage disorders. <i>Biochimie</i> , 2016 , 130, 152-162	4.6	23
85	Central Nervous System Demyelination and Remyelination is Independent from Systemic Cholesterol Level in Theiler's Murine Encephalomyelitis. <i>Brain Pathology</i> , 2016 , 26, 102-19	6	16
84	Guarea kunthiana Bark Extract Enhances the Antimicrobial Activities of Human and Bovine Neutrophils. <i>Natural Product Communications</i> , 2016 , 11, 767-70	0.9	4
83	<i>Yersinia enterocolitica</i> -mediated degradation of neutrophil extracellular traps (NETs). <i>FEMS Microbiology Letters</i> , 2015 , 362, fmv192	2.9	18

82	Precision-cut intestinal slices as a culture system to analyze the infection of differentiated intestinal epithelial cells by avian influenza viruses. <i>Journal of Virological Methods</i> , 2015 , 212, 71-5	2.6	7
81	Cholesterol-rich lipid rafts play an important role in the Cyprinid herpesvirus 3 replication cycle. <i>Veterinary Microbiology</i> , 2015 , 179, 204-12	3.3	11
80	Measuring oxygen levels in Caco-2 cultures. <i>Hypoxia (Auckland, N Z)</i> , 2015 , 3, 53-66	2.1	15
79	The Diverse Forms of Lactose Intolerance and the Putative Linkage to Several Cancers. <i>Nutrients</i> , 2015 , 7, 7209-30	6.7	23
78	Congenital lactose intolerance is triggered by severe mutations on both alleles of the lactase gene. <i>BMC Gastroenterology</i> , 2015 , 15, 36	3	20
77	Identification of a novel DNase of <i>Streptococcus suis</i> (EndAsuis) important for neutrophil extracellular trap degradation during exponential growth. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 838-50	2.9	29
76	A Novel SLC27A4 Splice Acceptor Site Mutation in Great Danes with Ichthyosis. <i>PLoS ONE</i> , 2015 , 10, e0141514	3.1	17
75	The antimicrobial peptide LL-37 facilitates the formation of neutrophil extracellular traps. <i>Biochemical Journal</i> , 2014 , 464, 3-11	3.8	81
74	Genetic reporter analysis reveals an expandable reservoir of OCT4+ cells in adult skin. <i>Cell Regeneration</i> , 2014 , 3, 9	2.5	5
73	Long term differential consequences of miglustat therapy on intestinal disaccharidases. <i>Journal of Inherited Metabolic Disease</i> , 2014 , 37, 929-37	5.4	13
72	Lipid alterations in human blood-derived neutrophils lead to formation of neutrophil extracellular traps. <i>European Journal of Cell Biology</i> , 2014 , 93, 347-54	6.1	28
71	Isolation and analysis of membrane lipids and lipid rafts in common carp (<i>Cyprinus carpio</i> L.). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014 , 169, 9-15	2.3	17
70	The effect of β -glucan on formation and functionality of neutrophil extracellular traps in carp (<i>Cyprinus carpio</i> L.). <i>Developmental and Comparative Immunology</i> , 2014 , 44, 280-5	3.2	37
69	Lidocaine effect on flotillin-2 distribution in detergent-resistant membranes of equine jejunal smooth muscle in vitro. <i>Veterinary Journal</i> , 2014 , 200, 325-7	2.5	1
68	Drug-induced trafficking of p-glycoprotein in human brain capillary endothelial cells as demonstrated by exposure to mitomycin C. <i>PLoS ONE</i> , 2014 , 9, e88154	3.7	29
67	Canine epidermal lipid sampling by skin scrub revealed variations between different body sites and normal and atopic dogs. <i>BMC Veterinary Research</i> , 2014 , 10, 152	2.7	4
66	Enrofloxacin enhances the formation of neutrophil extracellular traps in bovine granulocytes. <i>Journal of Innate Immunity</i> , 2014 , 6, 706-12	6.9	21
65	Cholesterol-depletion in human blood-derived neutrophils by methyl- β -cyclodextrin leads to the formation of neutrophil extracellular traps (1001.5). <i>FASEB Journal</i> , 2014 , 28, 1001.5	0.9	

64	Lipid raft abnormalities and subsequent protein trafficking effects in Niemann-Pick type C1 (LB158). <i>FASEB Journal</i> , 2014 , 28, LB158	0.9	2
63	Cloning and characterization of canine prostate-specific membrane antigen. <i>Prostate</i> , 2013 , 73, 642-50	4.2	7
62	Discriminatory Role of Detergent-Resistant Membranes in the Dimerization and Endocytosis of Prostate-Specific Membrane Antigen. <i>PLoS ONE</i> , 2013 , 8, e66193	3.7	7
61	Kongenitale Diarrhoe 2013 , 189-202		
60	The effect of N-butyl-deoxynojirimycin on the structure, function and trafficking of intestinal glycoproteins. <i>FASEB Journal</i> , 2013 , 27, 553.16	0.9	
59	Maturation and trafficking of a HMW sucrase-isomaltase species expressed via maltose sensing. <i>FASEB Journal</i> , 2013 , 27, 596.2	0.9	
58	Miglustat-induced intestinal carbohydrate malabsorption is due to the inhibition of β -glucosidases, but not β -galactosidases. <i>Journal of Inherited Metabolic Disease</i> , 2012 , 35, 949-54	5.4	19
57	Cadherin-related protein 24 induces morphological changes and partial cell polarization by facilitating direct cell-cell interactions. <i>Biological Chemistry</i> , 2012 , 393, 495-503	4.5	1
56	Congenital sucrase-isomaltase deficiency: heterogeneity of inheritance, trafficking, and function of an intestinal enzyme complex. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012 , 55 Suppl 2, S13-20	2.8	31
55	Transient sucrose and starch intolerance. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012 , 55 Suppl 2, S39-40	2.8	3
54	The dual role of annexin II in targeting of brush border proteins and in intestinal cell polarity. <i>Differentiation</i> , 2011 , 81, 243-52	3.5	16
53	Impairment of protein trafficking by direct interaction of gliadin peptides with actin. <i>Experimental Cell Research</i> , 2011 , 317, 2124-35	4.2	21
52	Basic structural and functional characteristics of the epidermal barrier in wild mammals living in different habitats and climates. <i>European Journal of Wildlife Research</i> , 2011 , 57, 873-885	2	6
51	Structural hierarchy of regulatory elements in the folding and transport of an intestinal multidomain protein. <i>Journal of Biological Chemistry</i> , 2010 , 285, 4143-4152	5.4	8
50	Structural basis for substrate selectivity in human maltase-glucoamylase and sucrase-isomaltase N-terminal domains. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17763-70	5.4	138
49	Protocadherin of the liver, kidney, and colon associates with detergent-resistant membranes during cellular differentiation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 13193-200	5.4	4
48	Endocytotic segregation of gliadin peptide 31-49 in enterocytes. <i>Gut</i> , 2010 , 59, 300-10	19.2	53
47	A modified lipid composition in Fabry disease leads to an intracellular block of the detergent-resistant membrane-associated dipeptidyl peptidase IV. <i>Journal of Inherited Metabolic Disease</i> , 2010 , 33, 445-9	5.4	12

46	Protocadherin of the liver, kidney and colon associates with detergent-resistant membranes during cellular differentiation. <i>FASEB Journal</i> , 2010 , 24, 852.2	0.9	
45	Signalling pathway of prostate-specific membrane antigen implicates different types of detergent-resistant membranes. <i>FASEB Journal</i> , 2010 , 24, lb179	0.9	
44	Role of calcium in the structure and function of protocadherin of the liver, kidney and colon. <i>FASEB Journal</i> , 2010 , 24, 869.1	0.9	
43	Congenital and putatively acquired forms of sucrase-isomaltase deficiency in infancy: effects of sacrosidase therapy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009 , 49, 485-7	2.8	15
42	Impact of glycosylation and detergent-resistant membranes on the function of intestinal sucrase-isomaltase. <i>Biological Chemistry</i> , 2009 , 390, 545-9	4.5	20
41	Association of a GPI-anchored protein with detergent-resistant membranes facilitates its trafficking through the early secretory pathway. <i>Experimental Cell Research</i> , 2009 , 315, 348-56	4.2	14
40	Toxic peptides in Frazer's fraction interact with the actin cytoskeleton and affect the targeting and function of intestinal proteins. <i>Experimental Cell Research</i> , 2009 , 315, 3442-52	4.2	12
39	Domains in biological membranes. <i>Experimental Cell Research</i> , 2009 , 315, 2871-8	4.2	85
38	Compound heterozygous mutations affect protein folding and function in patients with congenital sucrase-isomaltase deficiency. <i>Gastroenterology</i> , 2009 , 136, 883-92	13.3	42
37	Impaired trafficking and subcellular localization of a mutant lactase associated with congenital lactase deficiency. <i>Gastroenterology</i> , 2009 , 136, 2295-303	13.3	20
36	The prostate specific membrane antigen regulates the expression of IL-6 and CCL5 in prostate tumour cells by activating the MAPK pathways. <i>PLoS ONE</i> , 2009 , 4, e4608	3.7	62
35	Mosaic pattern of sucrase isomaltase deficiency in two brothers. <i>Pediatric Research</i> , 2008 , 63, 79-83	3.2	4
34	Different glycoforms of prostate-specific membrane antigen are intracellularly transported through their association with distinct detergent-resistant membranes. <i>Biochemical Journal</i> , 2008 , 409, 149-57	3.8	15
33	GPI-Anchor Dictates Trafficking of Membrane Dipeptidase. <i>FASEB Journal</i> , 2007 , 21, A610	0.9	
32	Requirement for galectin-3 in apical protein sorting. <i>Current Biology</i> , 2006 , 16, 408-14	6.3	164
31	Novel mutations in the human sucrase-isomaltase gene (SI) that cause congenital carbohydrate malabsorption. <i>Human Mutation</i> , 2006 , 27, 119	4.7	42
30	Altered folding, turnover, and polarized sorting act in concert to define a novel pathomechanism of congenital sucrase-isomaltase deficiency. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14393-9	5.4	22
29	Apical transport and folding of prostate-specific membrane antigen occurs independent of glycan processing. <i>Journal of Biological Chemistry</i> , 2006 , 281, 3505-12	5.4	9

28	A mutation in aminopeptidase N (CD13) isolated from a patient suffering from leukemia leads to an arrest in the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11894-900	5.4	8
27	Impaired trafficking of mutants of lysosomal glucocerebrosidase in Gaucher's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 2310-20	5.6	84
26	A novel type of detergent-resistant membranes may contribute to an early protein sorting event in epithelial cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42636-43	5.4	52
25	Antigen transport and cytoskeletal characteristics of a distinct enterocyte population in inflammatory bowel diseases. <i>American Journal of Pathology</i> , 2004 , 165, 425-37	5.8	34
24	A glutamine to proline exchange at amino acid residue 1098 in sucrase causes a temperature-sensitive arrest of sucrase-isomaltase in the endoplasmic reticulum and cis-Golgi. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16310-4	5.4	17
23	Distinct cytoskeletal tracks direct individual vesicle populations to the apical membrane of epithelial cells. <i>Current Biology</i> , 2003 , 13, 607-12	6.3	66
22	Congenital sucrase-isomaltase deficiency because of an accumulation of the mutant enzyme in the endoplasmic reticulum. <i>Gastroenterology</i> , 2003 , 125, 1678-85	13.3	30
21	The prosequence of human lactase-phlorizin hydrolase modulates the folding of the mature enzyme. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8217-25	5.4	31
20	Intestinal dipeptidyl peptidase IV is efficiently sorted to the apical membrane through the concerted action of N- and O-glycans as well as association with lipid microdomains. <i>Journal of Biological Chemistry</i> , 2002 , 277, 10683-90	5.4	51
19	Sucrase is an intramolecular chaperone located at the C-terminal end of the sucrase-isomaltase enzyme complex. <i>Journal of Biological Chemistry</i> , 2002 , 277, 32141-8	5.4	11
18	Apical membrane proteins are transported in distinct vesicular carriers. <i>Current Biology</i> , 2001 , 11, 1444-50	5.3	103
17	Molecular basis of aberrant apical protein transport in an intestinal enzyme disorder. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23506-10	5.4	29
16	Structural determinants required for apical sorting of an intestinal brush-border membrane protein. <i>Journal of Biological Chemistry</i> , 2000 , 275, 6566-72	5.4	65
15	Additional N-glycosylation and its impact on the folding of intestinal lactase-phlorizin hydrolase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10630-7	5.4	29
14	Congenital sucrase-isomaltase deficiency arising from cleavage and secretion of a mutant form of the enzyme. <i>Journal of Clinical Investigation</i> , 2000 , 106, 281-7	15.9	39
13	Temporal association of the N- and O-linked glycosylation events and their implication in the polarized sorting of intestinal brush border sucrase-isomaltase, aminopeptidase N, and dipeptidyl peptidase IV. <i>Journal of Biological Chemistry</i> , 1999 , 274, 17961-7	5.4	65
12	Hierarchy of sorting signals in chimeras of intestinal lactase-phlorizin hydrolase and the influenza virus hemagglutinin. <i>Journal of Biological Chemistry</i> , 1999 , 274, 8061-7	5.4	33
11	O-linked glycans mediate apical sorting of human intestinal sucrase-isomaltase through association with lipid rafts. <i>Current Biology</i> , 1999 , 9, 593-6	6.3	146

10	Intracellular transport of acid beta-glucosidase and lysosome-associated membrane proteins is affected in Gaucher's disease (G202R mutation). <i>Journal of Pathology</i> , 1999 , 188, 407-14	9.4	46
9	Protein domains implicated in intracellular transport and sorting of lactase-phlorizin hydrolase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 13861-9	5.4	18
8	Routing and processing of lactase-phlorizin hydrolase in transfected Caco-2 cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 6650-5	5.4	13
7	Proteolytic processing of human lactase-phlorizin hydrolase is a two-step event: identification of the cleavage sites. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 336, 27-34	4.1	17
6	Maturation of human intestinal lactase-phlorizin hydrolase: generation of the brush border form of the enzyme involves at least two proteolytic cleavage steps. <i>FEBS Journal</i> , 1996 , 236, 789-95		25
5	Folding of human intestinal lactase-phlorizin hydrolase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18678-84	5.4	11
4	Cloning and expression of human intestinal sucrase-isomaltase. <i>Biochemical Society Transactions</i> , 1995 , 23, 304S	5.1	3
3	Analysis of the putative cleavage site in human lactase-phlorizin hydrolase. <i>Biochemical Society Transactions</i> , 1995 , 23, 305S	5.1	1
2	Processing and transport of human small intestinal lactase-phlorizin hydrolase (LPH). Role of N-linked oligosaccharide modification. <i>FEBS Letters</i> , 1994 , 342, 302-7	3.8	11
1	Striking structural and functional similarities suggest that intestinal sucrase-isomaltase, human lysosomal alpha-glucosidase and Schwanniomyces occidentalis glucoamylase are derived from a common ancestral gene. <i>FEBS Letters</i> , 1991 , 294, 109-12	3.8	31