

Barry H Hirst

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.

71
papers

4,170
citations

35
h-index

64
g-index

74
ext. papers

4,387
ext. citations

5.4
avg, IF

4.98
L-index

#	Paper	IF	Citations
71	Expression of the glycine transporter type 1 (GlyT-1A) is upregulated by ATF-4 following physiological stress in human intestinal epithelial cells (1109.14). <i>FASEB Journal</i> , 2014 , 28, 1109-14	0.9	
70	Glycine transporter GLYT1 is essential for glycine-mediated protection of human intestinal epithelial cells against oxidative damage. <i>Journal of Physiology</i> , 2010 , 588, 995-1009	3.9	35
69	Postgraduate opportunities in research at NEAS. <i>Journal of Paramedic Practice: the Clinical Monthly for Emergency Care Professionals</i> , 2010 , 2, 230-232	0.3	1
68	Roles of minor pilin subunits Spy0125 and Spy0130 in the serotype M1 Streptococcus pyogenes strain SF370. <i>Journal of Bacteriology</i> , 2010 , 192, 4651-9	3.5	44
67	Pili mediate specific adhesion of Streptococcus pyogenes to human tonsil and skin. <i>Cellular Microbiology</i> , 2007 , 9, 1822-33	3.9	159
66	Predicting oral drug absorption and hepatobiliary clearance: Human intestinal and hepatic in vitro cell models. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 168-78	5.8	30
65	The novel avian protein, AWAK, contains multiple domains with homology to protease inhibitory modules. <i>Molecular Immunology</i> , 2006 , 43, 388-94	4.3	9
64	Antibiotic exposure does not influence MRP2 functional expression in Caco-2 cells. <i>Journal of Drug Targeting</i> , 2005 , 13, 1-6	5.4	8
63	Who's talking to whom? Epithelial-bacterial pathogen interactions. <i>Molecular Microbiology</i> , 2005 , 55, 655-63	4.1	9
62	Exploiting receptor biology for oral vaccination with biodegradable particulates. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 431-50	18.5	56
61	Increased expression of specific intestinal amino acid and peptide transporter mRNA in rats fed by TPN is reversed by GLP-2. <i>Journal of Nutrition</i> , 2004 , 134, 2957-64	4.1	43
60	P-glycoprotein potentiates CYP3A4-mediated drug disappearance during Caco-2 intestinal secretory detoxification. <i>Journal of Drug Targeting</i> , 2004 , 12, 405-13	5.4	18
59	Differential multidrug resistance-associated protein 1 through 6 isoform expression and function in human intestinal epithelial Caco-2 cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 311, 476-84	4.7	113
58	Secretin and the exposition of hormonal control. <i>Journal of Physiology</i> , 2004 , 560, 339	3.9	13
57	The ABCs of drug transport in intestine and liver: efflux proteins limiting drug absorption and bioavailability. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 21, 25-51	5.1	482
56	M cell targeting by lectins: a strategy for mucosal vaccination and drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2004 , 56, 511-25	18.5	104
55	Expression of the peptide transporter hPepT1 in human colon: a potential route for colonic protein nitrogen and drug absorption. <i>Histochemistry and Cell Biology</i> , 2003 , 119, 37-43	2.4	36

54	Comparison of Poly(dl-Lactide-co-glycolide) and Polystyrene Microsphere Targeting to Intestinal M Cells. <i>Journal of Drug Targeting</i> , 2003 , 11, 269-272	5.4	5
53	K(+) recycling and gastric acid secretion. <i>Journal of Physiology</i> , 2002 , 540, 1	3.9	3
52	Water transport controversies--an overview. <i>Journal of Physiology</i> , 2002 , 542, 1-2	3.9	10
51	Expression of junction-associated proteins differentiates mouse intestinal M cells from enterocytes. <i>Histochemistry and Cell Biology</i> , 2002 , 118, 137-47	2.4	29
50	Exploiting M cells for drug and vaccine delivery. <i>Advanced Drug Delivery Reviews</i> , 2001 , 50, 81-106	18.5	208
49	Glycine supply to human enterocytes mediated by high-affinity basolateral GLYT1. <i>Gastroenterology</i> , 2001 , 120, 439-48	13.3	21
48	Targeting polymerised liposome vaccine carriers to intestinal M cells. <i>Vaccine</i> , 2001 , 20, 208-17	4.1	100
47	Lectin-mediated mucosal delivery of drugs and microparticles. <i>Advanced Drug Delivery Reviews</i> , 2000 , 43, 207-23	18.5	180
46	Differential cytokeratin and glycoconjugate expression by the surface and crypt epithelia of human palatine tonsils. <i>Histochemistry and Cell Biology</i> , 2000 , 114, 311-21	2.4	20
45	Parietal cell membrane trafficking. Focus on "Expression of rab11a N124I in gastric parietal cells inhibits stimulatory recruitment of the H ⁺ -K ⁺ -ATPase". <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 277, C359-60	5.4	2
44	Bacterial xylanase expression in mammalian cells and transgenic mice. <i>Journal of Biotechnology</i> , 1999 , 72, 95-101	3.7	17
43	Absorptive apical amiloride-sensitive Na ⁺ conductance in human endometrial epithelium. <i>Journal of Physiology</i> , 1998 , 513 (Pt 2), 443-52	3.9	14
42	Substrate upregulation of the human small intestinal peptide transporter, hPepT1. <i>Journal of Physiology</i> , 1998 , 507 (Pt 3), 697-706	3.9	118
41	Increased tyrosine phosphorylation causes redistribution of adherens junction and tight junction proteins and perturbs paracellular barrier function in MDCK epithelia. <i>European Journal of Cell Biology</i> , 1998 , 76, 85-92	6.1	131
40	The rat mucosal mast cell chymase, RMCP-II, alters epithelial cell monolayer permeability in association with altered distribution of the tight junction proteins ZO-1 and occludin. <i>European Journal of Cell Biology</i> , 1998 , 75, 321-30	6.1	89
39	Co-culture of two MDCK strains with distinct junctional protein expression: a model for intercellular junction rearrangement and cell sorting. <i>Cell and Tissue Research</i> , 1998 , 291, 267-76	4.2	19
38	Ulex europaeus 1 lectin targets microspheres to mouse Peyer's patch M-cells in vivo. <i>Vaccine</i> , 1998 , 16, 536-41	4.1	116
37	Inoculum composition and Salmonella pathogenicity island 1 regulate M-cell invasion and epithelial destruction by Salmonella typhimurium. <i>Infection and Immunity</i> , 1998 , 66, 724-31	3.7	55

36	M-cell surface beta1 integrin expression and invasion-mediated targeting of <i>Yersinia pseudotuberculosis</i> to mouse Peyer's patch M cells. <i>Infection and Immunity</i> , 1998 , 66, 1237-43	3.7	278
35	Cell-contact-stimulated formation of filamentous appendages by <i>Salmonella typhimurium</i> does not depend on the type III secretion system encoded by <i>Salmonella</i> pathogenicity island 1. <i>Infection and Immunity</i> , 1998 , 66, 2007-17	3.7	25
34	Co-integration and expression of bacterial and genomic transgenes in the pancreatic and intestinal tissues of transgenic mice. <i>Gene</i> , 1997 , 202, 203-8	3.8	5
33	Intestinal secretion of drugs. The role of P-glycoprotein and related drug efflux systems in limiting oral drug absorption. <i>Advanced Drug Delivery Reviews</i> , 1997 , 25, 129-157	18.5	220
32	A protein targeting signal that functions in polarized epithelial cells in vivo. <i>Biochemical Journal</i> , 1996 , 315 (Pt 3), 857-62	3.8	15
31	Lectin binding defines and differentiates M-cells in mouse small intestine and caecum. <i>Histochemistry and Cell Biology</i> , 1995 , 104, 161-8	2.4	33
30	Enterocytes in the follicle-associated epithelia of rabbit small intestine display distinctive lectin-binding properties. <i>Histochemistry</i> , 1995 , 103, 131-4		10
29	Selective binding and transcytosis of <i>Ulex europaeus</i> 1 lectin by mouse Peyer's patch M-cells in vivo. <i>Cell and Tissue Research</i> , 1995 , 282, 455-61	4.2	79
28	Angiotensin-converting enzyme (ACE) inhibitor transport in human intestinal epithelial (Caco-2) cells. <i>British Journal of Pharmacology</i> , 1995 , 114, 981-6	8.6	58
27	D-cycloserine transport in human intestinal epithelial (Caco-2) cells: mediation by a H(+)-coupled amino acid transporter. <i>British Journal of Pharmacology</i> , 1995 , 115, 761-6	8.6	36
26	Variations in lectin binding properties of intestinal M cells. <i>Journal of Drug Targeting</i> , 1995 , 3, 75-7	5.4	30
25	Selective binding and transcytosis of <i>Ulex europaeus</i> 1 lectin by mouse Peyer's patch M-cells in vivo 1995 , 282, 455		5
24	GASTROINTESTINAL EPITHELIUM: OPPORTUNITIES AND OBSTACLES TO XENOBIOTIC ABSORPTION. <i>Drug Metabolism and Pharmacokinetics</i> , 1995 , 10, 50-53		
23	Differential surface characteristics of M cells from mouse intestinal Peyer's and caecal patches. <i>The Histochemical Journal</i> , 1994 , 26, 271-280		58
22	Heterogenous Na ⁺ , K ⁺ -ATPase expression in the epithelia of rabbit gut-associated lymphoid tissues. <i>Pflügers Archiv European Journal of Physiology</i> , 1994 , 427, 343-7	4.6	6
21	Autocrine growth stimulation of human renal Wilms' tumour G401 cells by a gastrin-like peptide. <i>International Journal of Cancer</i> , 1994 , 57, 385-91	7.5	18
20	Paracellular barrier and junctional protein distribution depend on basolateral extracellular Ca ²⁺ in cultured epithelia. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1222, 147-58	4.9	64
19	Substrate specificity of the di/tripeptide transporter in human intestinal epithelia (Caco-2): identification of substrates that undergo H(+)-coupled absorption. <i>British Journal of Pharmacology</i> , 1994 , 113, 1050-6	8.6	53

18	H(+)-coupled dipeptide (glycylsarcosine) transport across apical and basal borders of human intestinal Caco-2 cell monolayers display distinctive characteristics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993 , 1151, 237-45	3.8	65
17	Active secretion of the fluoroquinolone ciprofloxacin by human intestinal epithelial Caco-2 cell layers. <i>British Journal of Pharmacology</i> , 1993 , 108, 575-6	8.6	49
16	Secretion of a prokaryotic cellulase in bacterial and mammalian cells. <i>Gene</i> , 1993 , 125, 85-9	3.8	16
15	Ion transport by human endometrial epithelia in vitro. <i>Human Reproduction</i> , 1993 , 8, 1570-5	5.7	29
14	Bradykinin stimulation of electrogenic ion transport in epithelial layers of cultured human endometrium. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 422, 401-3	4.6	10
13	Transepithelial dipeptide (glycylsarcosine) transport across epithelial monolayers of human Caco-2 cells is rheogenic. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 425, 178-80	4.6	27
12	Manipulation of the repertoire of digestive enzymes secreted into the gastrointestinal tract of transgenic mice. <i>Bio/technology</i> , 1993 , 11, 376-9		47
11	Passive transepithelial absorption of thyrotropin-releasing hormone (TRH) via a paracellular route in cultured intestinal and renal epithelial cell lines. <i>Pharmaceutical Research</i> , 1993 , 10, 674-81	4.5	35
10	Drug absorption limited by P-glycoprotein-mediated secretory drug transport in human intestinal epithelial Caco-2 cell layers. <i>Pharmaceutical Research</i> , 1993 , 10, 743-9	4.5	171
9	Thyrotropin-releasing hormone (TRH) uptake in intestinal brush-border membrane vesicles: comparison with proton-coupled dipeptide and Na(+)-coupled glucose transport. <i>Pharmaceutical Research</i> , 1993 , 10, 667-73	4.5	13
8	Identification of M cells and their distribution in rabbit intestinal Peyer's patches and appendix. <i>Cell and Tissue Research</i> , 1993 , 273, 127-36	4.2	48
7	Selective binding and transcytosis of latex microspheres by rabbit intestinal M cells. <i>Cell and Tissue Research</i> , 1993 , 271, 399-405	4.2	95
6	Comparison of poly(DL-lactide-co-glycolide) and polystyrene microsphere targeting to intestinal M cells. <i>Journal of Drug Targeting</i> , 1993 , 1, 245-9	5.4	107
5	H(+)-coupled (Na(+)-independent) proline transport in human intestinal (Caco-2) epithelial cell monolayers. <i>FEBS Letters</i> , 1993 , 333, 78-82	3.8	54
4	Characterization of human purified epithelial and stromal cells from endometrium and endometriosis in tissue culture. <i>Fertility and Sterility</i> , 1992 , 57, 990-7	4.8	70
3	Polarized efflux of 2,5-bis(2-carboxyethyl)-5(6)-carboxyfluorescein from cultured epithelial cell monolayers. <i>Biochemical Pharmacology</i> , 1992 , 44, 417-24	6	29
2	Transepithelial vinblastine secretion mediated by P-glycoprotein is inhibited by forskolin derivatives. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 181, 671-6	3.4	15
1	Fade and tachyphylaxis of gastric acid secretory response to pentagastrin in rat isolated gastric mucosa. <i>British Journal of Pharmacology</i> , 1988 , 95, 1047-56	8.6	

