

Mark D. Gorrell

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.

130
papers

5,668
citations

43
h-index

72
g-index

148
ext. papers

6,459
ext. citations

5.8
avg, IF

5.54
L-index

#	Paper	IF	Citations
130	Sitagliptin Is More Effective Than Gliclazide in Preventing Pro-Fibrotic and Pro-Inflammatory Changes in a Rodent Model of Diet-Induced Non-Alcoholic Fatty Liver Disease.. <i>Molecules</i> , 2022 , 27,	4.8	1
129	Targeting CCN2 protects against progressive non-alcoholic steatohepatitis in a preclinical model induced by high-fat feeding and type 2 diabetes.. <i>Journal of Cell Communication and Signaling</i> , 2022 , 1	5.2	1
128	Differential Effects of 'Vaping' on Lipid and Glucose Profiles and Liver Metabolic Markers in Obese Versus Non-obese Mice. <i>Frontiers in Physiology</i> , 2021 , 12, 755124	4.6	1
127	DPP9: Comprehensive In Silico Analyses of Loss of Function Gene Variants and Associated Gene Expression Signatures in Human Hepatocellular Carcinoma. <i>Cancers</i> , 2021 , 13,	6.6	1
126	Associations between DPP9 expression, survival and gene expression signature in human hepatocellular carcinoma: Comprehensive in silico analyses. <i>FASEB Journal</i> , 2021 , 35,	0.9	1
125	An improved production and purification protocol for recombinant soluble human fibroblast activation protein alpha. <i>Protein Expression and Purification</i> , 2021 , 181, 105833	2	0
124	Deletion of fibroblast activation protein provides atheroprotection. <i>Cardiovascular Research</i> , 2021 , 117, 1060-1069	9.9	4
123	DPP4 Inhibitor Sitagliptin Enhances Lymphocyte Recruitment and Prolongs Survival in a Syngeneic Ovarian Cancer Mouse Model. <i>Cancers</i> , 2021 , 13,	6.6	2
122	Hypoxia Regulates DPP4 Expression, Proteolytic Inactivation, and Shedding from Ovarian Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
121	COVID-19 and comorbidities: A role for dipeptidyl peptidase 4 (DPP4) in disease severity?. <i>Journal of Diabetes</i> , 2020 , 12, 649-658	3.8	82
120	A Novel Purification Procedure for Active Recombinant Human DPP4 and the Inability of DPP4 to Bind SARS-CoV-2. <i>Molecules</i> , 2020 , 25,	4.8	17
119	Animal and translational models of SARS-CoV-2 infection and COVID-19. <i>Mucosal Immunology</i> , 2020 , 13, 877-891	9.2	106
118	Immune regeneration in irradiated mice is not impaired by the absence of DPP9 enzymatic activity. <i>Scientific Reports</i> , 2019 , 9, 7292	4.9	2
117	Animal models for hepatocellular carcinoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 993-1002	6.9	9
116	Fibroblast activation protein in liver fibrosis. <i>Frontiers in Bioscience - Landmark</i> , 2019 , 24, 1-17	2.8	26
115	Identification of Novel Natural Substrates of Fibroblast Activation Protein-alpha by Differential Degradomics and Proteomics. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 65-85	7.6	18
114	Letter to Editor. <i>Developmental Biology</i> , 2018 , 439, 1	3.1	1

113	Circulating fibroblast activation protein and dipeptidyl peptidase 4 in rheumatoid arthritis and systemic sclerosis. <i>International Journal of Rheumatic Diseases</i> , 2018 , 21, 1915-1923	2.3	8
112	Multiple liver insults synergize to accelerate experimental hepatocellular carcinoma. <i>Scientific Reports</i> , 2018 , 8, 10283	4.9	13
111	Differential chemokine receptor expression and usage by pre-cDC1 and pre-cDC2. <i>Immunology and Cell Biology</i> , 2018 , 96, 1131-1139	5	13
110	Non-Invasive Fluorescent Monitoring of Ovarian Cancer in an Immunocompetent Mouse Model. <i>Cancers</i> , 2018 , 11,	6.6	6
109	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. <i>Cell</i> , 2018 , 175, 530-543.e24	56.2	53
108	Hepatocellular carcinoma: Mouse models and the potential roles of proteases. <i>Cancer Letters</i> , 2017 , 387, 106-113	9.9	11
107	High resolution crystal structures of human kynurenine aminotransferase-I bound to PLP cofactor, and in complex with aminooxyacetate. <i>Protein Science</i> , 2017 , 26, 727-736	6.3	8
106	The pro-fibrotic role of dipeptidyl peptidase 4 in carbon tetrachloride-induced experimental liver injury. <i>Immunology and Cell Biology</i> , 2017 , 95, 443-453	5	19
105	Circulating fibroblast activation protein activity and antigen levels correlate strongly when measured in liver disease and coronary heart disease. <i>PLoS ONE</i> , 2017 , 12, e0178987	3.7	9
104	Inhibition of human kynurenine aminotransferase isozymes by estrogen and its derivatives. <i>Scientific Reports</i> , 2017 , 7, 17559	4.9	25
103	Fibroblast activation protein is dispensable in the anti-influenza immune response in mice. <i>PLoS ONE</i> , 2017 , 12, e0171194	3.7	6
102	The Multifunctional Post-proline Dipeptidyl Peptidase, DPP9, in Mice, <i>Cell Biology and Immunity</i> 2017 , 23-45		2
101	Dipeptidyl peptidase 9 substrates and their discovery: current progress and the application of mass spectrometry-based approaches. <i>Biological Chemistry</i> , 2016 , 397, 837-56	4.5	11
100	Neuropeptide Y is a physiological substrate of fibroblast activation protein: Enzyme kinetics in blood plasma and expression of Y2R and Y5R in human liver cirrhosis and hepatocellular carcinoma. <i>Peptides</i> , 2016 , 75, 80-95	3.8	23
99	DPP8 2016 , 1-5		
98	Dipeptidyl peptidase 9 enzymatic activity influences the expression of neonatal metabolic genes. <i>Experimental Cell Research</i> , 2016 , 342, 72-82	4.2	14
97	Lower serum fibroblast activation protein shows promise in the exclusion of clinically significant liver fibrosis due to non-alcoholic fatty liver disease in diabetes and obesity. <i>Diabetes Research and Clinical Practice</i> , 2015 , 108, 466-72	7.4	15
96	Dipeptidyl peptidase 9 subcellular localization and a role in cell adhesion involving focal adhesion kinase and paxillin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 470-80	4.9	25

95	Circulating dipeptidyl peptidase-4 activity correlates with measures of hepatocyte apoptosis and fibrosis in non-alcoholic fatty liver disease in type 2 diabetes mellitus and obesity: A dual cohort cross-sectional study. <i>Journal of Diabetes</i> , 2015 , 7, 809-19	3.8	37
94	Identification of novel dipeptidyl peptidase 9 substrates by two-dimensional differential in-gel electrophoresis. <i>FEBS Journal</i> , 2015 , 282, 3737-57	5.7	35
93	Kynurenine Aminotransferases and the Prospects of Inhibitors for the Treatment of Schizophrenia. <i>Current Medicinal Chemistry</i> , 2015 , 22, 2902-18	4.3	25
92	A rare variant in human fibroblast activation protein associated with ER stress, loss of enzymatic function and loss of cell surface localisation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 1248-59	4	17
91	Homology modeling of human kynurenine aminotransferase III and observations on inhibitor binding using molecular docking. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2014 , 14, 2-9	1.8	6
90	Understanding fibroblast activation protein (FAP): substrates, activities, expression and targeting for cancer therapy. <i>Proteomics - Clinical Applications</i> , 2014 , 8, 454-63	3.1	159
89	Quantitation of fibroblast activation protein (FAP)-specific protease activity in mouse, baboon and human fluids and organs. <i>FEBS Open Bio</i> , 2013 , 4, 43-54	2.7	65
88	Fibroblast Activation Protein 2013 , 3395-3401		5
87	Dipeptidyl Peptidase 8 2013 , 3379-3384		1
86	DPP8 and DPP9 expression in cynomolgus monkey and Sprague Dawley rat tissues. <i>Regulatory Peptides</i> , 2013 , 186, 26-35		16
85	Advances in understanding the expression and function of dipeptidyl peptidase 8 and 9. <i>Molecular Cancer Research</i> , 2013 , 11, 1487-96	6.6	50
84	Diabetes and nonalcoholic Fatty liver disease: a pathogenic duo. <i>Endocrine Reviews</i> , 2013 , 34, 84-129	27.2	157
83	Targeted inactivation of dipeptidyl peptidase 9 enzymatic activity causes mouse neonate lethality. <i>PLoS ONE</i> , 2013 , 8, e78378	3.7	34
82	Regulation of dipeptidyl peptidase 8 and 9 expression in activated lymphocytes and injured liver. <i>World Journal of Gastroenterology</i> , 2013 , 19, 2883-93	5.6	28
81	Design and synthesis of novel inhibitors of human kynurenine aminotransferase-I. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 1579-81	2.9	14
80	Discoidin domain receptor 1: isoform expression and potential functions in cirrhotic human liver. <i>American Journal of Pathology</i> , 2011 , 178, 1134-44	5.8	24
79	Diabetes is a progression factor for hepatic fibrosis in a high fat fed mouse obesity model of non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2011 , 55, 435-44	13.4	72
78	Incretin-based therapies--review of the physiology, pharmacology and emerging clinical experience. <i>Internal Medicine Journal</i> , 2011 , 41, 299-307	1.6	49

77	Soluble CD26 / dipeptidyl peptidase IV enhances human lymphocyte proliferation in vitro independent of dipeptidyl peptidase enzyme activity and adenosine deaminase binding. <i>Scandinavian Journal of Immunology</i> , 2011 , 73, 102-11	3.4	46
76	Neuropeptide Y, B-type natriuretic peptide, substance P and peptide YY are novel substrates of fibroblast activation protein- β <i>FEBS Journal</i> , 2011 , 278, 1316-32	5.7	84
75	The long and the short of interferon-gamma-inducible protein 10 in hepatitis C virus infection. <i>Hepatology</i> , 2011 , 54, 1875-9	11.2	3
74	A novel role of dipeptidyl peptidase 9 in epidermal growth factor signaling. <i>Molecular Cancer Research</i> , 2011 , 9, 948-59	6.6	45
73	The dipeptidyl peptidase IV family in cancer and cell biology. <i>FEBS Journal</i> , 2010 , 277, 1126-44	5.7	126
72	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. <i>Liver International</i> , 2010 , 30, 795-808	7.9	48
71	Inhibitor selectivity in the clinical application of dipeptidyl peptidase-4 inhibition. <i>Clinical Science</i> , 2009 , 118, 31-41	6.5	145
70	The in vivo expression of dipeptidyl peptidases 8 and 9. <i>Journal of Histochemistry and Cytochemistry</i> , 2009 , 57, 1025-40	3.4	73
69	Cooperation of innate and adaptive immunity in the pathogenesis of biliary atresia: there's a killer on the run. <i>Hepatology</i> , 2009 , 50, 2037-40	11.2	4
68	Gene expression characteristics of a cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> during biofilm and planktonic growth. <i>FEMS Microbiology Letters</i> , 2009 , 292, 107-14	2.9	37
67	Impaired glucose tolerance and incretins in chronic liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008 , 23, 166-7	4	1
66	Porcine cells express more than one functional ligand for the human lymphocyte activating receptor NKG2D. <i>Xenotransplantation</i> , 2008 , 15, 321-32	2.8	16
65	Stromal cell-derived factors 1 α and 1 β , inflammatory protein-10 and interferon-inducible T cell chemo-attractant are novel substrates of dipeptidyl peptidase 8. <i>FEBS Letters</i> , 2008 , 582, 819-25	3.8	70
64	Corrigendum to Stromal cell-derived factors 1 α and 1 β inflammatory protein-10 and interferon-inducible T cell chemo-attractant are novel substrates of dipeptidyl peptidase 8 [FEBS Lett. 582 (2008) 819-25]. <i>FEBS Letters</i> , 2008 , 582, 1168-1168	3.8	
63	Fibroblast activation protein and chronic liver disease. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 3168-88	8.8	48
62	Direct effects of alcohol on hepatic fibrinolytic balance: implications for alcoholic liver disease. <i>Journal of Hepatology</i> , 2008 , 48, 614-27	13.4	44
61	Transcriptome analyses and biofilm-forming characteristics of a clonal <i>Pseudomonas aeruginosa</i> from the cystic fibrosis lung. <i>Journal of Medical Microbiology</i> , 2008 , 57, 1454-1465	3.2	43
60	Inflammation and repair in viral hepatitis C. <i>Digestive Diseases and Sciences</i> , 2008 , 53, 1468-87	4	28

59	Reversible Inactivation of Human Dipeptidyl Peptidases 8 and 9 by Oxidation. <i>The Open Enzyme Inhibition Journal</i> , 2008 , 1, 52-60	0	33
58	Fooling the liver: malaria incognito. <i>Hepatology</i> , 2007 , 45, 826	11.2	1
57	Liver fibrosis: the hepatocyte revisited. <i>Hepatology</i> , 2007 , 46, 1659-61	11.2	10
56	Up-regulation of proproliferative genes and the ligand/receptor pair placental growth factor and vascular endothelial growth factor receptor 1 in hepatitis C cirrhosis. <i>Liver International</i> , 2007 , 27, 960-8	7.9	21
55	Extra-enzymatic roles of DPIV and FAP in cell adhesion and migration on collagen and fibronectin. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 575, 213-22	3.6	7
54	Intrahepatic gene expression in human alcoholic hepatitis. <i>Journal of Hepatology</i> , 2006 , 45, 306-20	13.4	55
53	Detection of collagen by second harmonic microscopy as a diagnostic tool for liver fibrosis 2006 ,		3
52	The hepatic transcriptome in human liver disease. <i>Comparative Hepatology</i> , 2006 , 5, 6		21
51	Extraenzymatic functions of the dipeptidyl peptidase IV-related proteins DP8 and DP9 in cell adhesion, migration and apoptosis. <i>FEBS Journal</i> , 2006 , 273, 2447-60	5.7	56
50	Molecular characterization of a novel dipeptidyl peptidase like 2-short form (DPL2-s) that is highly expressed in the brain and lacks dipeptidyl peptidase activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 33-43	4	20
49	Dipeptidyl peptidase 8 has post-proline dipeptidyl aminopeptidase and prolyl endopeptidase activities. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 575, 93-102	3.6	4
48	Structure and function in dipeptidyl peptidase IV and related proteins. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 575, 45-54	3.6	19
47	DP8 and DP9 have extra-enzymatic roles in cell adhesion, migration and apoptosis. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 575, 63-72	3.6	4
46	Dipeptidyl peptidase IV and related enzymes in cell biology and liver disorders. <i>Clinical Science</i> , 2005 , 108, 277-92	6.5	246
45	Fibroblast activation protein increases apoptosis, cell adhesion, and migration by the LX-2 human stellate cell line. <i>Hepatology</i> , 2005 , 42, 935-45	11.2	131
44	Dipeptidyl peptidase 9 has two forms, a broad tissue distribution, cytoplasmic localization and DPIV-like peptidase activity. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004 , 1679, 18-28		97
43	Different inhibition mechanisms of dipeptidyl peptidase IV by tryptophan containing peptides and amides. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 524, 69-72	3.6	7
42	Intrahepatic expression of collagen and fibroblast activation protein (FAP) in hepatitis C virus infection. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 524, 235-43	3.6	15

41	Dipeptidyl peptidase IV gene family. The DPIV family. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 524, 79-86	3.6	22
40	Molecular chimeras and mutational analysis in the prolyl oligopeptidase gene family. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 524, 49-55	3.6	
39	Novel differential gene expression in human cirrhosis detected by suppression subtractive hybridization. <i>Hepatology</i> , 2003 , 38, 577-88	11.2	42
38	Different modes of dipeptidyl peptidase IV (CD26) inhibition by oligopeptides derived from the N-terminus of HIV-1 Tat indicate at least two inhibitor binding sites. <i>FEBS Journal</i> , 2003 , 270, 2147-56		47
37	Pathogenesis and management of alcoholic hepatitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2003 , 18, 1332-44	4	52
36	Structural requirements for catalysis, expression, and dimerization in the CD26/DPIV gene family. <i>Biochemistry</i> , 2003 , 42, 694-701	3.2	59
35	Gene expression profiling of alcoholic liver disease in the baboon (<i>Papio hamadryas</i>) and human liver. <i>American Journal of Pathology</i> , 2003 , 163, 2303-17	5.8	66
34	SMART amplification maintains representation of relative gene expression: quantitative validation by real time PCR and application to studies of alcoholic liver disease in primates. <i>Journal of Proteomics</i> , 2003 , 55, 53-66		52
33	3-dimensional imaging of collagen using second harmonic generation. <i>Journal of Structural Biology</i> , 2003 , 141, 53-62	3.4	338
32	Gene array analysis and the liver. <i>Hepatology</i> , 2002 , 36, 1313-1325	11.2	43
31	Intrahepatic expression of the hepatic stellate cell marker fibroblast activation protein correlates with the degree of fibrosis in hepatitis C virus infection. <i>Liver</i> , 2002 , 22, 93-101		90
30	Hepatic covalent adduct formation with zomepirac in the CD26-deficient mouse. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2002 , 17, 66-71	4	10
29	Insights into the pathobiology of hepatitis C virus-associated cirrhosis: analysis of intrahepatic differential gene expression. <i>American Journal of Pathology</i> , 2002 , 160, 641-54	5.8	160
28	Gene array analysis and the liver. <i>Hepatology</i> , 2002 , 36, 1313-25	11.2	14
27	The Family of CD26/DPIV and Related Ectopeptidases 2002 , 171-195		18
26	CD26: a multifunctional integral membrane and secreted protein of activated lymphocytes. <i>Scandinavian Journal of Immunology</i> , 2001 , 54, 249-64	3.4	264
25	Identification of novel molecules and pathogenic pathways in primary biliary cirrhosis: cDNA array analysis of intrahepatic differential gene expression. <i>Gut</i> , 2001 , 49, 565-76	19.2	120
24	Dipeptidyl peptidase IV is a target for covalent adduct formation with the acyl glucuronide metabolite of the anti-inflammatory drug zomepirac. <i>Life Sciences</i> , 2001 , 68, 785-97	6.8	34

23	Post-proline-cleaving peptidases having DP IV like enzyme activity. Post-proline peptidases. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 477, 103-9	3.6	17
22	Relating structure to function in the beta-propeller domain of dipeptidyl peptidase IV. Point mutations that influence adenosine deaminase binding, antibody binding and enzyme activity. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 477, 89-95	3.6	9
21	Cloning, expression and chromosomal localization of a novel human dipeptidyl peptidase (DPP) IV homolog, DPP8. <i>FEBS Journal</i> , 2000 , 267, 6140-50		207
20	Molecular pathogenesis of liver disease: an approach to hepatic inflammation, cirrhosis and liver transplant tolerance. <i>Immunological Reviews</i> , 2000 , 174, 172-91	11.3	72
19	Binding to human dipeptidyl peptidase IV by adenosine deaminase and antibodies that inhibit ligand binding involves overlapping, discontinuous sites on a predicted beta propeller domain. <i>FEBS Journal</i> , 1999 , 266, 798-810		71
18	Fibroblast activation protein: a cell surface dipeptidyl peptidase and gelatinase expressed by stellate cells at the tissue remodelling interface in human cirrhosis. <i>Hepatology</i> , 1999 , 29, 1768-78	11.2	224
17	Two highly conserved glutamic acid residues in the predicted beta propeller domain of dipeptidyl peptidase IV are required for its enzyme activity. <i>FEBS Letters</i> , 1999 , 458, 278-84	3.8	92
16	Langerhans cells in the development of skin cancer: a qualitative and quantitative comparison of cell markers in normal, acanthotic and neoplastic ovine skin. <i>Pathology</i> , 1997 , 29, 42-50	1.6	8
15	Regulation of the receptor specificity and function of the chemokine RANTES (regulated on activation, normal T cell expressed and secreted) by dipeptidyl peptidase IV (CD26)-mediated cleavage. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1865-72	16.6	316
14	Immunization with nonstructural proteins promotes functional recovery of alphavirus-infected neurons. <i>Journal of Virology</i> , 1997 , 71, 3415-9	6.6	8
13	Increased serum levels of dipeptidyl peptidase IV (CD26) in rats undergoing liver regeneration. <i>International Hepatology Communications</i> , 1995 , 4, 165-174		10
12	The distribution of lymphocyte subpopulations in normal and acanthotic ovine skin. <i>Veterinary Immunology and Immunopathology</i> , 1995 , 44, 151-67	2	15
11	Major histocompatibility complex antigens in normal, acanthotic and neoplastic ovine skin: an association between tumor invasiveness and low level MHC class I expression. <i>Veterinary Immunology and Immunopathology</i> , 1995 , 45, 237-52	2	8
10	Expression of the rat CD26 antigen (dipeptidyl peptidase IV) on subpopulations of rat lymphocytes. <i>Cellular Immunology</i> , 1991 , 134, 205-15	4.4	61
9	The neuropathogenesis of visna virus infection in sheep. <i>Seminars in Neuroscience</i> , 1991 , 3, 125-130		14
8	T and B lymphocyte subsets in spermatic granulomas in five rams. <i>Veterinary Pathology</i> , 1991 , 28, 482-91	2.8	9
7	Identification of the bile canalicular cell surface molecule GP110 as the ectopeptidase dipeptidyl peptidase IV: an analysis by tissue distribution, purification and N-terminal amino acid sequence. <i>Hepatology</i> , 1990 , 11, 534-44	11.2	70
6	Lymphocyte subpopulations of sheep in protective immunity to <i>Taenia hydatigena</i> . <i>Parasite Immunology</i> , 1989 , 11, 169-81	2.2	25

5	Lymphocyte phenotypes in the abomasal mucosa of sheep infected with <i>Haemonchus contortus</i> . <i>Parasite Immunology</i> , 1988 , 10, 661-74	2.2	25
4	A functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies. <i>Veterinary Immunology and Immunopathology</i> , 1987 , 16, 215-34	2	13
3	Dipeptidyl peptidase 9 triggers BRCA2 degradation by the N-degron pathway to promote DNA-damage repair		1
2	Fibroblast activation protein enzyme deficiency prevents liver steatosis, insulin resistance and glucose intolerance and increases fibroblast growth factor-21 in diet induced obese mice		2
1	Genomics, Gene Arrays and Proteomics in the Study of Liver Disease	398-420	