Mark D. Gorrell

List of Publications by Year in descending order

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MADE D. CODDELL

#	Article	IF	CITATIONS
1	3-Dimensional imaging of collagen using second harmonic generation. Journal of Structural Biology, 2003, 141, 53-62.	1.3	416
2	Regulation of the Receptor Specificity and Function of the Chemokine RANTES (Regulated on) Tj ETQq0 0 0 rgB Journal of Experimental Medicine, 1997, 186, 1865-1872.	T /Overloc 4.2	k 10 Tf 50 70 339
3	CD26: A Multifunctional Integral Membrane and Secreted Protein of Activated Lymphocytes. Scandinavian Journal of Immunology, 2001, 54, 249-264.	1.3	326
4	Understanding fibroblast activation protein (FAP): Substrates, activities, expression and targeting for cancer therapy. Proteomics - Clinical Applications, 2014, 8, 454-463.	0.8	311
5	Dipeptidyl peptidase IV and related enzymes in cell biology and liver disorders. Clinical Science, 2005, 108, 277-292.	1.8	289
6	Fibroblast activation protein: A cell surface dipeptidyl peptidase and gelatinase expressed by stellate cells at the tissue remodelling interface in human cirrhosis. Hepatology, 1999, 29, 1768-1778.	3.6	264
7	Cloning, expression and chromosomal localization of a novel human dipeptidyl peptidase (DPP) IV homolog, DPP8. FEBS Journal, 2000, 267, 6140-6150.	0.2	234
8	Diabetes and Nonalcoholic Fatty Liver Disease: A Pathogenic Duo. Endocrine Reviews, 2013, 34, 84-129.	8.9	197
9	Inhibitor selectivity in the clinical application of dipeptidyl peptidase-4 inhibition. Clinical Science, 2010, 118, 31-41.	1.8	175
10	Insights into the Pathobiology of Hepatitis C Virus-Associated Cirrhosis. American Journal of Pathology, 2002, 160, 641-654.	1.9	172
11	Fibroblast activation protein increases apoptosis, cell adhesion, and migration by the LX-2 human stellate cell line. Hepatology, 2005, 42, 935-945.	3.6	159
12	Animal and translational models of SARS-CoV-2 infection and COVID-19. Mucosal Immunology, 2020, 13, 877-891.	2.7	155
13	The dipeptidyl peptidase IV family in cancer and cell biology. FEBS Journal, 2010, 277, 1126-1144.	2.2	149
14	Identification of novel molecules and pathogenic pathways in primary biliary cirrhosis: cDNA array analysis of intrahepatic differential gene expression. Gut, 2001, 49, 565-576.	6.1	135
15	COVIDâ€19 and comorbidities: A role for dipeptidyl peptidase 4 (<scp>DPP4</scp>) in disease severity?. Journal of Diabetes, 2020, 12, 649-658.	0.8	124
16	Dipeptidyl peptidase 9 has two forms, a broad tissue distribution, cytoplasmic localization and DPIV-like peptidase activity. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1679, 18-28.	2.4	116
17	Intrahepatic expression of the hepatic stellate cell marker fibroblast activation protein correlates with the degree of fibrosis in hepatitis C virus infection. Liver, 2002, 22, 93-101.	0.1	111
18	Two highly conserved glutamic acid residues in the predicted β propeller domain of dipeptidyl peptidase IV are required for its enzyme activity. FEBS Letters, 1999, 458, 278-284.	1.3	108

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19	Neuropeptide Y, Bâ€ŧype natriuretic peptide, substance P and peptide YY are novel substrates of fibrob activation proteinâ€î±. FEBS Journal, 2011, 278, 1316-1332.	last 2.2	108
20	Quantitation of fibroblast activation protein (FAP)â€specific protease activity in mouse, baboon and human fluids and organs. FEBS Open Bio, 2014, 4, 43-54.	1.0	89
21	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. Cell, 2018, 175, 530-543.e24.	13.5	89
22	The In Vivo Expression of Dipeptidyl Peptidases 8 and 9. Journal of Histochemistry and Cytochemistry, 2009, 57, 1025-1040.	1.3	88
23	Binding to human dipeptidyl peptidase IV by adenosine deaminase and antibodies that inhibit ligand binding involves overlapping, discontinuous sites on a predicted β propeller domain. FEBS Journal, 1999, 266, 798-810.	0.2	83
24	Diabetes is a progression factor for hepatic fibrosis in a high fat fed mouse obesity model of non-alcoholic steatohepatitis. Journal of Hepatology, 2011, 55, 435-444.	1.8	83
25	Stromal cellâ€derived factors 1α and 1β, inflammatory proteinâ€10 and interferonâ€inducible T cell chemoâ€attractant are novel substrates of dipeptidyl peptidase 8. FEBS Letters, 2008, 582, 819-825.	1.3	82
26	Gene Expression Profiling of Alcoholic Liver Disease in the Baboon (Papio hamadryas) and Human Liver. American Journal of Pathology, 2003, 163, 2303-2317.	1.9	78
27	Molecular pathogenesis of liver disease: an approach to hepatic inflammation, cirrhosis and liver transplant tolerance. Immunological Reviews, 2000, 174, 172-191.	2.8	77
28	Identification of the bile canalicular cell surface molecule GP110 as the ectopeptidase dipeptidyl peptidase IV: An analysis by tissue distribution, purification andN-terminal amino acid sequence. Hepatology, 1990, 11, 534-544.	3.6	73
29	Advances in Understanding the Expression and Function of Dipeptidyl Peptidase 8 and 9. Molecular Cancer Research, 2013, 11, 1487-1496.	1.5	72
30	Structural Requirements for Catalysis, Expression, and Dimerization in the CD26/DPIV Gene Family. Biochemistry, 2003, 42, 694-701.	1.2	67
31	Extraenzymatic functions of the dipeptidyl peptidase IV-related proteins DP8 and DP9 in cell adhesion, migration and apoptosis. FEBS Journal, 2006, 273, 2447-2460.	2.2	66
32	Expression of the rat CD26 Antigen (dipeptidyl peptidase IV) on subpopulations of rat lymphocytes. Cellular Immunology, 1991, 134, 205-215.	1.4	65
33	Intrahepatic gene expression in human alcoholic hepatitis. Journal of Hepatology, 2006, 45, 306-320.	1.8	65
34	Pathogenesis and management of alcoholic hepatitis. Journal of Gastroenterology and Hepatology (Australia), 2003, 18, 1332-1344.	1.4	61
35	SMART amplification maintains representation of relative gene expression: quantitative validation by real time PCR and application to studies of alcoholic liver disease in primates. Journal of Proteomics, 2003, 55, 53-66.	2.4	61
36	Fibroblast activation protein and chronic liver disease. Frontiers in Bioscience - Landmark, 2008, 13, 3168.	3.0	61

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37	A Novel Role of Dipeptidyl Peptidase 9 in Epidermal Growth Factor Signaling. Molecular Cancer Research, 2011, 9, 948-959.	1.5	58
38	Incretinâ€based therapies – review of the physiology, pharmacology and emerging clinical experience. Internal Medicine Journal, 2011, 41, 299-307.	0.5	57
39	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. Liver International, 2010, 30, 795-808.	1.9	56
40	Soluble CD26 / Dipeptidyl Peptidase IV Enhances Human Lymphocyte Proliferation <i>In Vitro</i> Independent of Dipeptidyl Peptidase Enzyme Activity and Adenosine Deaminase Binding. Scandinavian Journal of Immunology, 2011, 73, 102-111.	1.3	54
41	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. FEBS Journal, 2003, 270, 2147-2156.	0.2	53
42	Identification of novel dipeptidyl peptidase 9 substrates by twoâ€dimensional differential inâ€gel electrophoresis. FEBS Journal, 2015, 282, 3737-3757.	2.2	51
43	Transcriptome analyses and biofilm-forming characteristics of a clonal Pseudomonas aeruginosa from the cystic fibrosis lung. Journal of Medical Microbiology, 2008, 57, 1454-1465.	0.7	50
44	Novel differential gene expression in human cirrhosis detected by suppression subtractive hybridization. Hepatology, 2003, 38, 577-588.	3.6	48
45	Direct effects of alcohol on hepatic fibrinolytic balance: Implications for alcoholic liver disease. Journal of Hepatology, 2008, 48, 614-627.	1.8	48
46	Gene array analysis and the liver. Hepatology, 2002, 36, 1313-1325.	3.6	46
47	Fibroblast activation protein in liver fibrosis. Frontiers in Bioscience - Landmark, 2019, 24, 1-17.	3.0	46
48	Targeted Inactivation of Dipeptidyl Peptidase 9 Enzymatic Activity Causes Mouse Neonate Lethality. PLoS ONE, 2013, 8, e78378.	1.1	45
49	Circulating dipeptidyl peptidaseâ€4 activity correlates with measures of hepatocyte apoptosis and fibrosis in nonâ€alcoholic fatty liver disease in type 2 diabetes mellitus and obesity: A dual cohort crossâ€sectional study. Journal of Diabetes, 2015, 7, 809-819.	0.8	44
50	Inhibition of human kynurenine aminotransferase isozymes by estrogen and its derivatives. Scientific Reports, 2017, 7, 17559.	1.6	42
51	Identification of Novel Natural Substrates of Fibroblast Activation Protein-alpha by Differential Degradomics and Proteomics. Molecular and Cellular Proteomics, 2019, 18, 65-85.	2.5	41
52	Dipeptidyl peptidase IV is a target for covalent adduct formation with the acyl glucuronide metabolite of the anti-inflammatory drug zomepirac. Life Sciences, 2001, 68, 785-797.	2.0	40
53	Gene expression characteristics of a cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa </i> during biofilm and planktonic growth. FEMS Microbiology Letters, 2009, 292, 107-114.	0.7	40
54	Reversible Inactivation of Human Dipeptidyl Peptidases 8 and 9 by Oxidation. The Open Enzyme Inhibition Journal, 2008, 1, 52-60.	2.0	39

Mark D. Gorrell

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55	Kynurenine Aminotransferases and the Prospects of Inhibitors for the Treatment of Schizophrenia. Current Medicinal Chemistry, 2015, 22, 2902-2918.	1.2	34
56	Regulation of dipeptidyl peptidase 8 and 9 expression in activated lymphocytes and injured liver. World Journal of Gastroenterology, 2013, 19, 2883-2893.	1.4	33
57	Discoidin Domain Receptor 1. American Journal of Pathology, 2011, 178, 1134-1144.	1.9	32
58	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. Peptides, 2016, 75, 80-95.	1.2	32
59	The proâ€fibrotic role of dipeptidyl peptidase 4 in carbon tetrachlorideâ€induced experimental liver injury. Immunology and Cell Biology, 2017, 95, 443-453.	1.0	32
60	Inflammation and Repair in Viral Hepatitis C. Digestive Diseases and Sciences, 2008, 53, 1468-1487.	1.1	31
61	Dipeptidyl peptidase 9 subcellular localization and a role in cell adhesion involving focal adhesion kinase and paxillin. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 470-480.	1.9	31
62	Lymphocyte subpopulations of sheep in protective immunity to Taenia hydatigena. Parasite Immunology, 1989, 11, 169-181.	0.7	28
63	Animal models for hepatocellular carcinoma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 993-1002.	1.8	28
64	Lymphocyte phenotypes in the abomasal mucosa of sheep infected with Haemonchus contortus. Parasite Immunology, 1988, 10, 661-674.	0.7	27
65	A Novel Purification Procedure for Active Recombinant Human DPP4 and the Inability of DPP4 to Bind SARS-CoV-2. Molecules, 2020, 25, 5392.	1.7	26
66	The hepatic transcriptome in human liver disease. Comparative Hepatology, 2006, 5, 6.	0.9	25
67	Dipeptidyl Peptidase IV Gene Family. , 2003, 524, 79-86.		24
68	Dipeptidyl peptidase 9 enzymatic activity influences the expression of neonatal metabolic genes. Experimental Cell Research, 2016, 342, 72-82.	1.2	24
69	Differential chemokine receptor expression and usage by preâ€ <scp>cDC</scp> 1 and preâ€ <scp>cDC</scp> 2. Immunology and Cell Biology, 2018, 96, 1131-1139.	1.0	24
70	Porcine cells express more than one functional ligand for the human lymphocyte activating receptor NKG2D. Xenotransplantation, 2008, 15, 321-332.	1.6	23
71	Structure and Function in Dipeptidyl Peptidase IV and Related Proteins. , 2006, 575, 45-54.		23

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73	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. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 33-43.	1.1	22
74	Dipeptidyl peptidase 9 substrates and their discovery: current progress and the application of mass spectrometry-based approaches. Biological Chemistry, 2016, 397, 837-856.	1.2	22
75	Up-regulation of proproliferative genes and the ligand/receptor pair placental growth factor and vascular endothelial growth factor receptor 1 in hepatitis C cirrhosis. Liver International, 2007, 27, 960-968.	1.9	21
76	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. Diabetes Research and Clinical Practice, 2015, 108, 466-472.	1.1	21
77	Multiple liver insults synergize to accelerate experimental hepatocellular carcinoma. Scientific Reports, 2018, 8, 10283.	1.6	21
78	Deletion of fibroblast activation protein provides atheroprotection. Cardiovascular Research, 2021, 117, 1060-1069.	1.8	20
79	Gene array analysis and the liver. Hepatology, 2002, 36, 1313-1325.	3.6	20
80	Intrahepatic Expression of Collagen and Fibroblast Activation Protein (FAP) in Hepatitis C Virus Infection. , 2003, 524, 235-243.		19
81	Post Proline Cleaving Peptidases Having DP IV Like Enzyme Activity. , 2000, 477, 103-109.		18
82	A rare variant in human fibroblast activation protein associated with ER stress, loss of enzymatic function and loss of cell surface localisation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1248-1259.	1.1	18
83	A functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies. Veterinary Immunology and Immunopathology, 1987, 16, 215-234.	0.5	17
84	DPP8 and DPP9 expression in cynomolgus monkey and Sprague Dawley rat tissues. Regulatory Peptides, 2013, 186, 26-35.	1.9	17
85	The distribution of lymphocyte subpopulations in normal and acanthotic ovine skin. Veterinary Immunology and Immunopathology, 1995, 44, 151-167.	0.5	16
86	Circulating fibroblast activation protein activity and antigen levels correlate strongly when measured in liver disease and coronary heart disease. PLoS ONE, 2017, 12, e0178987.	1.1	16
87	Non-Invasive Fluorescent Monitoring of Ovarian Cancer in an Immunocompetent Mouse Model. Cancers, 2019, 11, 32.	1.7	16
88	DPP4 Inhibitor Sitagliptin Enhances Lymphocyte Recruitment and Prolongs Survival in a Syngeneic Ovarian Cancer Mouse Model. Cancers, 2021, 13, 487.	1.7	16
89	Design and synthesis of novel inhibitors of human kynurenine aminotransferase-I. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1579-1581.	1.0	15
90	Circulating fibroblast activation protein and dipeptidyl peptidase 4 in rheumatoid arthritis and systemic sclerosis. International Journal of Rheumatic Diseases, 2018, 21, 1915-1923.	0.9	15

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91	Dipeptidyl Peptidase Inhibition Enhances CD8 T Cell Recruitment and Activates Intrahepatic Inflammasome in a Murine Model of Hepatocellular Carcinoma. Cancers, 2021, 13, 5495.	1.7	15
92	The neuropathogenesis of visna virus infection in sheep. Seminars in Neuroscience, 1991, 3, 125-130.	2.3	14
93	T and B Lymphocyte Subsets in Spermatic Granulomas in Five Rams. Veterinary Pathology, 1991, 28, 482-491.	0.8	13
94	Hepatocellular carcinoma: Mouse models and the potential roles of proteases. Cancer Letters, 2017, 387, 106-113.	3.2	13
95	First bite. , 2003, 10, 3-5.		12
96	Liver fibrosis: The hepatocyte revisited. Hepatology, 2007, 46, 1659-1661.	3.6	12
97	High resolution crystal structures of human kynurenine aminotransferaseâ€I bound to PLP cofactor, and in complex with aminooxyacetate. Protein Science, 2017, 26, 727-736.	3.1	12
98	Hypoxia Regulates DPP4 Expression, Proteolytic Inactivation, and Shedding from Ovarian Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 8110.	1.8	12
99	Increased serum levels of dipeptidyl peptidase IV (CD26) in rats undergoing liver regeneration. International Hepatology Communications, 1995, 4, 165-174.	0.7	11
100	Hepatic covalent adduct formation with zomepirac in the CD26-deficient mouse. Journal of Gastroenterology and Hepatology (Australia), 2002, 17, 66-71.	1.4	11
101	Fibroblast activation protein is dispensable in the anti-influenza immune response in mice. PLoS ONE, 2017, 12, e0171194.	1.1	11
102	Relating Structure to Function in the Beta-Propeller Domain of Dipeptidyl Peptidase IV. , 2000, 477, 89-95.		10
103	Extra-Enzymatic Roles of DPIV and FAP in Cell Adhesion and Migration on Collagen and Fibronectin. , 2006, 575, 213-222.		10
104	Immunization with nonstructural proteins promotes functional recovery of alphavirus-infected neurons. Journal of Virology, 1997, 71, 3415-3419.	1.5	10
105	Langerhans cells in the development of skin cancer: a qualitative and quantitative comparison of cell markers in normal, acanthotic and neoplastic ovine skin. Pathology, 1997, 29, 42-50.	0.3	9
106	DPP9: Comprehensive In Silico Analyses of Loss of Function Gene Variants and Associated Gene Expression Signatures in Human Hepatocellular Carcinoma. Cancers, 2021, 13, 1637.	1.7	9
107	Major histocompatibility complex antigens in normal, acanthotic and neoplastic ovine skin: An association been tumor invasiveness and low level MHC class I expression. Veterinary Immunology and Immunopathology, 1995, 45, 237-252.	0.5	8
108	Targeting CCN2 protects against progressive non-alcoholic steatohepatitis in a preclinical model induced by high-fat feeding and type 2 diabetes. Journal of Cell Communication and Signaling, 2022, 16, 447-460.	1.8	8

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109	Different Inhibition Mechanisms of Dipeptidyl Peptidase IV by Tryptophan Containing Peptides and Amides. , 2003, 524, 69-72.		7
110	Fibroblast Activation Protein α. , 2013, , 3395-3401.		7
111	Homology Modeling of Human Kynurenine Aminotransferase III and Observations on Inhibitor Binding Using Molecular Docking. Central Nervous System Agents in Medicinal Chemistry, 2014, 14, 2-9.	0.5	7
112	Differential Effects of †Vaping' on Lipid and Glucose Profiles and Liver Metabolic Markers in Obese Versus Non-obese Mice. Frontiers in Physiology, 2021, 12, 755124.	1.3	7
113	Sitagliptin Is More Effective Than Gliclazide in Preventing ÂPro-Fibrotic and Pro-Inflammatory Changes in a Rodent Model of Diet-Induced Non-Alcoholic Fatty Liver Disease. Molecules, 2022, 27, 727.	1.7	7
114	Cooperation of innate and adaptive immunity in the pathogenesis of biliary atresia: There's a killer on the run. Hepatology, 2009, 50, 2037-2040.	3.6	5
115	Dipeptidyl Peptidase 8 Has Post-Proline Dipeptidyl Aminopeptidase and Prolyl Endopeptidase Activities. , 2006, 575, 93-102.		5
116	DP8 and DP9 have Extra-Enzymatic Roles in Cell Adhesion, Migration and Apoptosis. , 2006, 575, 63-72.		5
117	Immune regeneration in irradiated mice is not impaired by the absence of DPP9 enzymatic activity. Scientific Reports, 2019, 9, 7292.	1.6	4
118	Detection of collagen by second harmonic microscopy as a diagnostic tool for liver fibrosis. , 2006, , .		3
119	The long and the short of interferon-gamma-inducible protein 10 in hepatitis C virus infection. Hepatology, 2011, 54, 1875-1879.	3.6	3
120	Dipeptidyl Peptidase 8. , 2013, , 3379-3384.		2
121	Letter to Editor. Developmental Biology, 2018, 439, 1.	0.9	2
122	An improved production and purification protocol for recombinant soluble human fibroblast activation protein alpha. Protein Expression and Purification, 2021, 181, 105833.	0.6	2
123	The Multifunctional Post-proline Dipeptidyl Peptidase, DPP9, in Mice, Cell Biology and Immunity. , 2017, , 23-45.		2
124	Circulating Dipeptidyl Peptidase Activity Is a Potential Biomarker for Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2022, 13, e00452.	1.3	2
125	Fooling the liver: Malaria incognito. Hepatology, 2007, 45, 826-826.	3.6	1
126	Impaired glucose tolerance and incretins in chronic liver disease. Journal of Gastroenterology and Hepatology (Australia), 2008, 23, 166-167.	1.4	1

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127	Associations between DPP9 expression, survival and gene expression signature in human hepatocellular carcinoma: Comprehensive in silico analyses. FASEB Journal, 2021, 35, .	0.2	1
128	DPP9., 2018, , 1418-1422.		1
129	FAP., 2018,, 1676-1681.		1
130	Molecular Chimeras and Mutational Analysis in the Prolyl Oligopeptidase Gene Family. , 2003, 524, 49-55.		0
131	Corrigendum to "Stromal cell-derived factors 1α and 1β, inflammatory protein-10 and interferon-inducible T cell chemo-attractant are novel substrates of dipeptidyl peptidase 8―[FEBS Lett. 582 (2008) 819-825]. FEBS Letters, 2008, 582, 1168-1168.	1.3	0
132	Circulating Fibroblast Activation Protein activity as a liver fibrosis biomarker in NAFLD. Journal of Hepatology, 2017, 66, S666-S667.	1.8	0
133	DPP9., 2016, , 1-5.		0
134	FAP., 2016,, 1-6.		0
135	DPP8., 2016, , 1-5.		0
136	DPP8., 2018., 1414-1417.		0