Paul J Hensbergen

List of Publications by Year
in descending order

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86 papers	3,463 citations	117625 34 h-index	155660 55 g-index
88 all docs	88 docs citations	88 times ranked	6195 citing authors

#	Article	IF	Citations
1	Immunoglobulin G (IgG) Fab Glycosylation Analysis Using a New Mass Spectrometric High-throughput Profiling Method Reveals Pregnancy-associated Changes. Molecular and Cellular Proteomics, 2014, 13, 3029-3039.	3.8	216
2	PARP1 promotes nucleotide excision repair through DDB2 stabilization and recruitment of ALC1. Journal of Cell Biology, 2012, 199, 235-249.	5.2	197
3	CXCR3-mediated chemotaxis of human T cells is regulated by a Gi- and phospholipase Câ€“dependent pathway and not via activation of MEK/p44/p42 MAPK nor Akt/PI-3 kinase. Blood, 2003, 102, 1959-1965.	1.4	161
4	Protein and small nonâ€coding RNAâ€enriched extracellular vesicles are released by the pathogenic blood fluke Schistosoma mansoni. Journal of Extracellular Vesicles, 2015, 4, 28665.	12.2	140
5	Fibroblasts facilitate re-epithelialization in wounded human skin equivalents. Laboratory Investigation, 2004, 84, 102-112.	3.7	126
6	The CXCR3 Targeting Chemokine CXCL11 Has Potent Antitumor Activity In Vivo Involving Attraction of CD8+ T Lymphocytes But Not Inhibition of Angiogenesis. Journal of Immunotherapy, 2005, 28, 343-351.	2.4	114
7	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	3.8	103
8	Annexin A2 Phosphorylation Mediates Cell Scattering and Branching Morphogenesis via Cofilin Activation. Molecular and Cellular Biology, 2008, 28, 1029-1040.	2.3	100
9	Hinge-Region O-Glycosylation of Human Immunoglobulin G3 (IgG3). Molecular and Cellular Proteomics, 2015, 14, 1373-1384.	3.8	90
10	Ultra-Low Flow Electrospray Ionization-Mass Spectrometry for Improved Ionization Efficiency in Phosphoproteomics. Analytical Chemistry, 2012, 84, 4552-4559.	6.5	89
11	Site-Specific N-Glycosylation Analysis of Human Immunoglobulin E. Journal of Proteome Research, 2014, 13, 536-546.	3.7	85
12	Sialic acid linkage differentiation of glycopeptides using capillary electrophoresis â€“ electrospray ionization â€“ mass spectrometry. Scientific Reports, 2017, 7, 3733.	3.3	82
13	The F-BAR domain protein PACSIN2 associates with Rac1 and regulates cell spreading and migration. Journal of Cell Science, 2011, 124, 2375-2388.	2.0	81
14	Filamin B Mediates ICAM-1-driven Leukocyte Transendothelial Migration. Journal of Biological Chemistry, 2008, 283, 31830-31839.	3.4	80
15	Focal-adhesion targeting links caveolin-1 to a Rac1-degradation pathway. Journal of Cell Science, 2010, 123, 1948-1958.	2.0	79
16	A Novel Secreted Metalloprotease (CD2830) from Clostridium difficile Cleaves Specific Proline Sequences in LPXTG Cell Surface Proteins. Molecular and Cellular Proteomics, 2014, 13, 1231-1244.	3.8	71
17	Morphological changes during dendritic cell maturation correlate with cofilin activation and translocation to the cell membrane. European Journal of Immunology, 2004, 34, 156-164.	2.9	70
18	Cellular/intramuscular myxoma and grade I myxofibrosarcoma are characterized by distinct genetic alterations and specific composition of their extracellular matrix. Journal of Cellular and Molecular Medicine, 2009, 13, 1291-1301.	3.6	65

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19	Proteomic Analysis of the Dysferlin Protein Complex Unveils Its Importance for Sarcolemmal Maintenance and Integrity. PLoS ONE, 2010, 5, e13854.	2.5	62
20	Dopant Enriched Nitrogen Gas Combined with Sheathless Capillary Electrophoresisâ€“Electrospray Ionization-Mass Spectrometry for Improved Sensitivity and Repeatability in Glycopeptide Analysis. Analytical Chemistry, 2016, 88, 5849-5856.	6.5	60
21	Clostridium difficile secreted Proâ€Pro endopeptidase PPEPâ€1 (ZMP1/CD2830) modulates adhesion through cleavage of the collagen binding protein CD2831. FEBS Letters, 2015, 589, 3952-3958.	2.8	59
22	The Human Lactoferrin-Derived Peptide hLF1-11 Exerts Immunomodulatory Effects by Specific Inhibition of Myeloperoxidase Activity. Journal of Immunology, 2012, 188, 5012-5019.	0.8	57
23	Phospho-proteomic analysis of cellular signaling. Electrophoresis, 2006, 27, 2676-2686.	2.4	50
24	Rac1 Recruits the Adapter Protein CMS/CD2AP to Cell-Cell Contacts. Journal of Biological Chemistry, 2010, 285, 20137-20146.	3.4	44
25	Targeted Biomarker Discovery by High Throughput Glycosylation Profiling of Human Plasma Alpha1-Antitrypsin and Immunoglobulin A. PLoS ONE, 2013, 8, e73082.	2.5	43
26	GPCR Proteomics: Mass Spectrometric and Functional Analysis of Histamine H₁ Receptor after Baculovirus-Driven and in Vitro Cell Free Expression. Journal of Proteome Research, 2008, 7, 621-629.	3.7	42
27	Identification of New Apolipoprotein-CIII Glycoforms with Ultrahigh Resolution MALDI-FTICR Mass Spectrometry of Human Sera. Journal of Proteome Research, 2013, 12, 2260-2268.	3.7	42
28	Glycoproteomic Analysis of Human Fibrinogen Reveals Novel Regions of O-Glycosylation. Journal of Proteome Research, 2012, 11, 5804-5814.	3.7	41
29	Diagnostic serum glycosylation profile in patients with intellectual disability as a result of MAN1B1 deficiency. Brain, 2014, 137, 1030-1038.	7.6	41
30	A functional Campylobacter jejuni maf4 gene results in novel glycoforms on flagellin and altered autoagglutination behaviour. Microbiology (United Kingdom), 2008, 154, 3385-3397.	1.8	40
31	Characterization of T Antigens, Including Middle T and Alternative T, Expressed by the Human Polyomavirus Associated with Trichodysplasia Spinulosa. Journal of Virology, 2015, 89, 9427-9439.	3.4	37
32	Mass Spectrometric Identification of Aberrantly Glycosylated Human Apolipoprotein C-III Peptides in Urine from Schistosoma mansoni-infected Individuals. Molecular and Cellular Proteomics, 2010, 9, 667-681.	3.8	36
33	Longitudinal monitoring of immunoglobulin A glycosylation during pregnancy by simultaneous MALDI-FTICR-MS analysis of N- and O-glycopeptides. Scientific Reports, 2016, 6, 27955.	3.3	36
34	Proteomic Profiling Identifies an UV-Induced Activation of Cofilin-1 and Destrin in Human Epidermis. Journal of Investigative Dermatology, 2005, 124, 818-824.	0.7	35
35	Proteomic Analysis of Uveal Melanoma Reveals Novel Potential Markers Involved in Tumor Progression. , 2006, 47, 786.		32
36	A Functional Isopenicillin N Synthase in an Animal Genome. Molecular Biology and Evolution, 2013, 30, 541-548.	8.9	32

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37	Fibrinogen alpha chain O-glycopeptides as possible markers of urinary tract infection. Journal of Proteomics, 2012, 75, 1067-1073.	2.4	31
38	Furin Is a Chemokine-modifying Enzyme. Journal of Biological Chemistry, 2004, 279, 13402-13411.	3.4	30
39	Proteome analysis of aerobically and anaerobically grown Saccharomyces cerevisiae cells. Journal of Proteomics, 2009, 71, 662-669.	2.4	29
40	Identification of a New Site of Sumoylation on Tel (ETV6) Uncovers a PIAS-Dependent Mode of Regulating Tel Function. Molecular and Cellular Biology, 2008, 28, 2342-2357.	2.3	28
41	Capillary-Electrophoresis Mass Spectrometry for the Detection of Carbapenemases in (Multi-)Drug-Resistant Gram-Negative Bacteria. Analytical Chemistry, 2014, 86, 9154-9161.	6.5	28
42	ST6Gal1 targets the ectodomain of ErbB2 in a site-specific manner and regulates gastric cancer cell sensitivity to trastuzumab. Oncogene, 2021, 40, 3719-3733.	5.9	27
43	The A3243G tRNALeu(UUR) mutation induces mitochondrial dysfunction and variable disease expression without dominant negative acting translational defects in complex IV subunits at UUR codons. Human Molecular Genetics, 2007, 16, 2472-2481.	2.9	26
44	Post-Transcriptional Control of theSaccharomycescerevisiaeProteome by 14-3-3 Proteins. Journal of Proteome Research, 2007, 6, 1689-1699.	3.7	26
45	Terminal Î±2,6-sialylation of epidermal growth factor receptor modulates antibody therapy response of colorectal cancer cells. Cellular Oncology (Dordrecht), 2021, 44, 835-850.	4.4	24
46	Characterization of Macrophage Galactose-type Lectin (MGL) ligands in colorectal cancer cell lines. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129513.	2.4	22
47	Processing of natural and recombinant CXCR3-targeting chemokines and implications for biological activity. FEBS Journal, 2001, 268, 4992-4999.	0.2	21
48	Patient-derived antibody recognizes a unique CD43 epitope expressed on all AML and has antileukemia activity in mice. Blood Advances, 2017, 1, 1551-1564.	5.2	21
49	Novel Automated Biomarker Discovery Work Flow for Urinary Peptidomics. Clinical Chemistry, 2009, 55, 117-125.	3.2	19
50	Clostridium difficile sortase recognizes a (S/P)PXTG sequence motif and can accommodate diaminopimelic acid as a substrate for transpeptidation. FEBS Letters, 2014, 588, 4325-4333.	2.8	19
51	Rac1 acts in conjunction with Nedd4 and Dishevelled-1 to promote maturation of cell-cell contacts. Journal of Cell Science, 2012, 125, 3430-42.	2.0	18
52	Typing Pseudomonas aeruginosa Isolates with Ultrahigh Resolution MALDI-FTICR Mass Spectrometry. Analytical Chemistry, 2016, 88, 5996-6003.	6.5	18
53	The small FOXP1 isoform predominantly expressed in activated B cell-like diffuse large B-cell lymphoma and full-length FOXP1 exert similar oncogenic and transcriptional activity in human B cells. Haematologica, 2017, 102, 573-583.	3.5	18
54	AML-specific cytotoxic antibodies in patients with durable graft-versus-leukemia responses. Blood, 2018, 131, 131-143.	1.4	18

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55	Glycoproteomic Analysis of MGL-Binding Proteins on Acute T-Cell Leukemia Cells. Journal of Proteome Research, 2019, 18, 1125-1132.	3.7	18
56	Differential expression of CRABP-II in fibroblasts derived from dermis and subcutaneous fat. Biochemical and Biophysical Research Communications, 2004, 315, 428-433.	2.1	17
57	Hemozoin is a product of heme detoxification in the gut of the most medically important species of the family Opisthorchiidae. International Journal for Parasitology, 2016, 46, 147-156.	3.1	17
58	A Novel Serine Protease Secreted by Medicinal Maggots Enhances Plasminogen Activator-Induced Fibrinolysis. PLoS ONE, 2014, 9, e92096.	2.5	17
59	Precision profiling and identification of human serum peptides using Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 3457-3463.	1.5	16
60	MHC Class I Stability is Modulated by Cell Surface Sialylation in Human Dendritic Cells. Pharmaceutics, 2020, 12, 249.	4.5	16
61	Binding of von Willebrand factor and plasma proteins to the eggshell of Schistosoma mansoni. International Journal for Parasitology, 2014, 44, 263-268.	3.1	15
62	The Glycosylation Site of Myelin Oligodendrocyte Glycoprotein Affects Autoantibody Recognition in a Large Proportion of Patients. Frontiers in Immunology, 2019, 10, 1189.	4.8	15
63	A Novel Fic (Filamentation Induced by cAMP) Protein from Clostridium difficile Reveals an Inhibitory Motif-independent Adenylylation/AMPylation Mechanism. Journal of Biological Chemistry, 2016, 291, 13286-13300.	3.4	14
64	Covalent attachment and Proâ€Pro endopeptidase (PPEPâ€1)â€mediated release of Clostridium difficile cell surface proteins involved in adhesion. Molecular Microbiology, 2017, 105, 663-673.	2.5	13
65	The feasibility of MS and advanced data processing for monitoring Schistosoma mansoni infection. Proteomics - Clinical Applications, 2010, 4, 499-510.	1.6	11
66	Schistosoma mansoni venom allergen-like proteins: phylogenetic relationships, stage-specific transcription and tissue localization as predictors of immunological cross-reactivity. International Journal for Parasitology, 2019, 49, 593-599.	3.1	11
67	N-Glycoproteins Have a Major Role in MGL Binding to Colorectal Cancer Cell Lines: Associations with Overall Proteome Diversity. International Journal of Molecular Sciences, 2020, 21, 5522.	4.1	11
68	UVA1 radiation inhibits calcineurin through oxidative damage mediated by photosensitization. Free Radical Biology and Medicine, 2011, 50, 1392-1399.	2.9	10
69	Antibodies to active zone protein ERC1 in Lambertâ€“Eaton myasthenic syndrome. Human Immunology, 2013, 74, 849-851.	2.4	10
70	Proteomic identification of Axc, a novel beta-lactamase with carbapenemase activity in a meropenem-resistant clinical isolate of Achromobacter xylosoxidans. Scientific Reports, 2018, 8, 8181.	3.3	10
71	Discovery of a new Pro-Pro endopeptidase, PPEP-2, provides mechanistic insights into the differences in substrate specificity within the PPEP family. Journal of Biological Chemistry, 2018, 293, 11154-11165.	3.4	10
72	Top-Down FTICR MS for the Identification of Fluorescent Labeling Efficiency and Specificity of the Cu-Protein Azurin. Analytical Chemistry, 2012, 84, 2512-2520.	6.5	9

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73	Genome annotation and antimicrobial properties ofBacillus toyonensisVUâ€ÐES13, isolated from theFolsomia candidagut. Entomologia Experimentalis Et Applicata, 2019, 167, 269-285.	1.4	8
74	Clostridioides difficile Phosphoproteomics Shows an Expansion of Phosphorylated Proteins in Stationary Growth Phase. MSphere, 2022, 7, e0091121.	2.9	8
75	L1CAM as an E-selectin Ligand in Colon Cancer. International Journal of Molecular Sciences, 2020, 21, 8286.	4.1	7
76	Fibroblasts facilitate re-epithelialization in wounded human skin equivalents. Laboratory Investigation, 2004, 84, 102-112.	3.7	7
77	Characterization of hepatitis C virus NS3 modifications in the context of replication. Journal of General Virology, 2010, 91, 1013-1018.	2.9	6
78	Mass Spectrometry in Clinical Microbiology and Infectious Diseases. Chromatographia, 2015, 78, 379-389.	1.3	5
79	Retinal Proteomics of a Mouse Model of Dystroglycanopathies Reveals Molecular Alterations in Photoreceptors. Journal of Proteome Research, 2021, 20, 3268-3277.	3.7	5
80	Oxonium Ion Guided Analysis of Quantitative Proteomics Data Reveals Site-Specific O-Glycosylation of Anterior Gradient Protein 2 (AGR2). International Journal of Molecular Sciences, 2021, 22, 5369.	4.1	5
81	A Bioluminescent Sensor for Rapid Detection of PPEP-1, a Clostridioides difficile Biomarker. Sensors, 2021, 21, 7485.	3.8	5
82	New insights into the type A glycan modification of Clostridioides difficile flagellar protein flagellin C by phosphoproteomics analysis. Journal of Biological Chemistry, 2022, 298, 101622.	3.4	4
83	Phylogenetic analysis of the bacterial Pro-Pro-endopeptidase domain reveals a diverse family including secreted and membrane anchored proteins. Current Research in Microbial Sciences, 2021, 2, 100024.	2.3	2
84	Tumor Specific Glycosylated CD43 Is a Novel and Highly Specific Target for Acute Myeloid Leukemia and Myelodysplastic Syndrome. Blood, 2016, 128, 1646-1646.	1.4	0
85	An antibody derived from a cured AML patient to identify a unique epitope on CD43 (CD43s) as a novel target for acute myeloid leukemia and myelodysplastic syndrome.. Journal of Clinical Oncology, 2017, 35, 7009-7009.	1.6	0
86	499â€…AT1636, a colon cancer survivor-derived antibody recognizes a previously unidentified truncated, O-mannosylated 70kDa variant of E-cadherin. , 2020, , .		0