

# Johan A Malmström

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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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.

121  
papers

5,421  
citations

33  
h-index

72  
g-index

139  
ext. papers

6,250  
ext. citations

7.7  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
121	Long-Read Sequencing Reveals Genetic Adaptation of Adhesin A Among Different Isolates.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 838267	5.7	0
120	Interaction of Bartonella henselae with Fibronectin Represents the Molecular Basis for Adhesion to Host Cells.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0059822	8.9	0
119	Extending the Proteomic Characterization of Candida albicans Exposed to Stress and Apoptotic Inducers through Data-Independent Acquisition Mass Spectrometry. <i>MSystems</i> , <b>2021</b> , 6, e0094621	7.6	0
118	Cerebrospinal fluid proteome maps detect pathogen-specific host response patterns in meningitis. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
117	Proteogenomic Workflow Reveals Molecular Phenotypes Related to Breast Cancer Mammographic Appearance. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 2983-3001	5.6	1
116	Protein Signatures of Remodeled Airways in Transplanted Lungs with Bronchiolitis Obliterans Syndrome Obtained Using Laser-Capture Microdissection. <i>American Journal of Pathology</i> , <b>2021</b> , 191, 1398-1411	5.8	1
115	Host-Pathogen Adhesion as the Basis of Innovative Diagnostics for Emerging Pathogens. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	3
114	Citrullination of extracellular histone H3.1 reduces antibacterial activity and exacerbates its proteolytic degradation. <i>Journal of Cystic Fibrosis</i> , <b>2021</b> , 20, 346-355	4.1	3
113	The structure of human dermatan sulfate epimerase 1 emphasizes the importance of C5-epimerization of glucuronic acid in higher organisms. <i>Chemical Science</i> , <b>2021</b> , 12, 1869-1885	9.4	1
112	Proteome Profiling of Recombinant DNase Therapy in Reducing NETs and Aiding Recovery in COVID-19 Patients. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 20, 100113	7.6	15
111	A Systems View of the Heparan Sulfate Interactome. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2021</b> , 69, 105-119	3.4	17
110	Structural determination of Streptococcus pyogenes M1 protein interactions with human immunoglobulin G using integrative structural biology. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008169 <sup>5</sup>		3
109	Multinodal Acoustic Trapping Enables High Capacity and High Throughput Enrichment of Extracellular Vesicles and Microparticles in miRNA and MS Proteomics Studies. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3929-3937	7.8	3
108	Quantitative proteomic analysis of human peripheral nerves from subjects with type 2 diabetes. <i>Diabetic Medicine</i> , <b>2021</b> , 38, e14658	3.5	1
107	Endothelial Heparan Sulfate Mediates Hepatic Neutrophil Trafficking and Injury during Staphylococcus aureus Sepsis. <i>MBio</i> , <b>2021</b> , 12, e0118121	7.8	0
106	Streptococcus pyogenes Forms Serotype- and Local Environment-Dependent Interspecies Protein Complexes. <i>MSystems</i> , <b>2021</b> , 6, e0027121	7.6	1
105	Effective protein extraction combined with data independent acquisition analysis reveals a comprehensive and quantifiable insight into the proteomes of articular cartilage and subchondral bone. <i>Osteoarthritis and Cartilage</i> , <b>2021</b> ,	6.2	1

104	Distinct serotypes of streptococcal M proteins mediate fibrinogen-dependent platelet activation and pro-inflammatory effects.. <i>Infection and Immunity</i> , <b>2021</b> , IAI0046221	3.7	0
103	Structural proteomics, electron cryo-microscopy and structural modeling approaches in bacteria-human protein interactions. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 265-275	4	8
102	Interaction with the host: the role of fibronectin and extracellular matrix proteins in the adhesion of Gram-negative bacteria. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 277-299	4	28
101	Targeted mass spectrometry for Serum Amyloid A (SAA) isoform profiling in sequential blood samples from experimentally <i>Staphylococcus aureus</i> infected pigs. <i>Journal of Proteomics</i> , <b>2020</b> , 227, 103904	3.9	2
100	Cross-Linking MS of the Complement System MAC Assembled on Live Gram-Positive Bacteria. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 612475	4.5	3
99	Matrisome Properties of Scaffolds Direct Fibroblasts in Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	18
98	A quantitative <i>Streptococcus pyogenes</i> -human protein-protein interaction map reveals localization of opsonizing antibodies. <i>Nature Communications</i> , <b>2019</b> , 10, 2727	17.4	18
97	Identification of two abundant <i>Aerococcus urinae</i> cell wall-anchored proteins. <i>International Journal of Medical Microbiology</i> , <b>2019</b> , 309, 151325	3.7	1
96	Greedy de novo motif discovery to construct motif repositories for bacterial proteomes. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 141	3.6	2
95	evades adaptive immunity through specific IgG glycan hydrolysis. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 1615-1629	16.6	11
94	Neutrophil extracellular traps in the central nervous system hinder bacterial clearance during pneumococcal meningitis. <i>Nature Communications</i> , <b>2019</b> , 10, 1667	17.4	46
93	Rapid determination of quaternary protein structures in complex biological samples. <i>Nature Communications</i> , <b>2019</b> , 10, 192	17.4	31
92	Complement Activation Occurs at the Surface of Platelets Activated by Streptococcal M1 Protein and This Results in Phagocytosis of Platelets. <i>Journal of Immunology</i> , <b>2019</b> , 202, 503-513	5.3	9
91	The Human Salivary Antimicrobial Peptide Profile according to the Oral Microbiota in Health, Periodontitis and Smoking. <i>Journal of Innate Immunity</i> , <b>2019</b> , 11, 432-444	6.9	13
90	Infection and the Human Proteome with a Special Focus on the Immunoglobulin G-cleaving Enzyme IdeS. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 1097-1111	7.6	9
89	Quantifying extracellular matrix turnover in human lung scaffold cultures. <i>Scientific Reports</i> , <b>2018</b> , 8, 5409	4.9	26
88	Quantitative proteomic characterization of the lung extracellular matrix in chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis. <i>Journal of Proteomics</i> , <b>2018</b> , 189, 23-33	3.9	40
87	Development of Large-scale Cross-linking Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 1055-1066	7.6	23

86	Leucocyte recruitment and molecular fortification of keratinocytes triggered by streptococcal M1 protein. <i>Cellular Microbiology</i> , <b>2018</b> , 20, e12792	3.9	2
85	Comprehensive Mass Spectrometric Survey of Streptococcus pyogenes Subcellular Proteomes. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 600-617	5.6	3
84	Targeted Proteomics and Absolute Protein Quantification for the Construction of a Stoichiometric Host-Pathogen Surface Density Model. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, S29-S41	7.6	20
83	Analysis of Bacterial Surface Interactions with Mass Spectrometry-Based Proteomics. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1535, 17-24	1.4	2
82	Improvements in Mass Spectrometry Assay Library Generation for Targeted Proteomics. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2384-2392	5.6	14
81	Quantitative proteomic characterization of lung-MSC and bone marrow-MSC using DIA-mass spectrometry. <i>Scientific Reports</i> , <b>2017</b> , 7, 9316	4.9	19
80	The TLR2 Antagonist Staphylococcal Superantigen-Like Protein 3 Acts as a Virulence Factor to Promote Bacterial Pathogenicity in vivo. <i>Journal of Innate Immunity</i> , <b>2017</b> , 9, 561-573	6.9	13
79	Comprehensive Proteomic Characterization of Ontogenic Changes in Hematopoietic Stem and Progenitor Cells. <i>Cell Reports</i> , <b>2017</b> , 21, 3285-3297	10.6	17
78	Quantitative Mass Spectrometry To Study Inflammatory Cartilage Degradation and Resulting Interactions with the Complement System. <i>Journal of Immunology</i> , <b>2016</b> , 197, 3415-3424	5.3	11
77	Differential compartmentalization of Streptococcus pyogenes virulence factors and host protein binding properties as a mechanism for host adaptation. <i>International Journal of Medical Microbiology</i> , <b>2016</b> , 306, 504-516	3.7	8
76	Saliva-Induced Clotting Captures Streptococci: Novel Roles for Coagulation and Fibrinolysis in Host Defense and Immune Evasion. <i>Infection and Immunity</i> , <b>2016</b> , 84, 2813-23	3.7	11
75	Large-scale inference of protein tissue origin in gram-positive sepsis plasma using quantitative targeted proteomics. <i>Nature Communications</i> , <b>2016</b> , 7, 10261	17.4	71
74	Structure and Interactions of a Dimeric Variant of sHIP, a Novel Virulence Determinant of Streptococcus pyogenes. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 95	5.7	
73	Cancer associated proteins in blood plasma: Determining normal variation. <i>Proteomics</i> , <b>2016</b> , 16, 1928-37.8	4.8	5
72	Dinosaur: A Refined Open-Source Peptide MS Feature Detector. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2143-51	5.6	32
71	Quantitative proteogenomics of human pathogens using DIA-MS. <i>Journal of Proteomics</i> , <b>2015</b> , 129, 98-107	7.9	21
70	Development of Phage-Based Antibody Fragment Reagents for Affinity Enrichment of Bacterial Immunoglobulin G Binding Proteins. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 4704-13	5.6	3
69	Data processing has major impact on the outcome of quantitative label-free LC-MS analysis. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 676-87	5.6	24

68	DIANA--algorithmic improvements for analysis of data-independent acquisition MS data. <i>Bioinformatics</i> , <b>2015</b> , 31, 555-62	7.2	65
67	Complete Removal of Extracellular IgG Antibodies in a Randomized Dose-Escalation Phase I Study with the Bacterial Enzyme IdeS--A Novel Therapeutic Opportunity. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132011	3.7	52
66	A Combined Shotgun and Targeted Mass Spectrometry Strategy for Breast Cancer Biomarker Discovery. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2807-18	5.6	28
65	A comprehensive analysis of the Streptococcus pyogenes and human plasma protein interaction network. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 1698-708		25
64	Numerical compression schemes for proteomics mass spectrometry data. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 1537-42	7.6	37
63	OpenSWATH enables automated, targeted analysis of data-independent acquisition MS data. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 219-23	44.5	508
62	Functional and structural properties of a novel protein and virulence factor (Protein sHIP) in Streptococcus pyogenes. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 18175-88	5.4	5
61	Data processing methods and quality control strategies for label-free LC-MS protein quantification. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2014</b> , 1844, 29-41	4	45
60	Targeted mass spectrometry analysis of neutrophil-derived proteins released during sepsis progression. <i>Thrombosis and Haemostasis</i> , <b>2014</b> , 112, 1230-43	7	9
59	Surface proteins of group G Streptococcus in different phases of growth: patterns of production and implications for the host-bacteria relationship. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 279-286	2.9	2
58	Automated quality control system for LC-SRM setups. <i>Journal of Proteomics</i> , <b>2013</b> , 95, 77-83	3.9	4
57	Proteins of novel lactic acid bacteria from Apis mellifera mellifera: an insight into the production of known extra-cellular proteins during microbial stress. <i>BMC Microbiology</i> , <b>2013</b> , 13, 235	4.5	57
56	A novel role for pro-coagulant microvesicles in the early host defense against streptococcus pyogenes. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003529	7.6	33
55	Antibody orientation at bacterial surfaces is related to invasive infection. <i>Journal of Experimental Medicine</i> , <b>2012</b> , 209, 2367-81	16.6	77
54	Stimulation of blood mononuclear cells with bacterial virulence factors leads to the release of pro-coagulant and pro-inflammatory microparticles. <i>Cellular Microbiology</i> , <b>2012</b> , 14, 107-19	3.9	32
53	Protein expression changes in ovarian cancer during the transition from benign to malignant. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2876-89	5.6	36
52	Glycoproteomic identification of galectin-3 and -8 ligands in bronchoalveolar lavage of mild asthmatics and healthy subjects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 1429-36	4	17
51	Different fractions of human serum glycoproteins bind galectin-1 or galectin-8, and their ratio may provide a refined biomarker for pathophysiological conditions in cancer and inflammatory disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 1366-72	4	21

50	Splicosomal and serine and arginine-rich splicing factors as targets for TGF- $\beta$ . <i>Fibrogenesis and Tissue Repair</i> , <b>2012</b> , 5, 6		12
49	Proteome-wide selected reaction monitoring assays for the human pathogen <i>Streptococcus pyogenes</i> . <i>Nature Communications</i> , <b>2012</b> , 3, 1301	17.4	62
48	Automated selected reaction monitoring software for accurate label-free protein quantification. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3766-73	5.6	25
47	Automated workflow for large-scale selected reaction monitoring experiments. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 1644-53	5.6	20
46	Galectin-8 in IgA nephritis: decreased binding of IgA by galectin-8 affinity chromatography and associated increased binding in non-IgA serum glycoproteins. <i>Journal of Clinical Immunology</i> , <b>2012</b> , 32, 246-55	5.7	4
45	Characterization of released polypeptides during an interferon- $\beta$ -dependent antibacterial response in airway epithelial cells. <i>Journal of Interferon and Cytokine Research</i> , <b>2012</b> , 32, 524-33	3.5	1
44	<i>Streptococcus pyogenes</i> in human plasma: adaptive mechanisms analyzed by mass spectrometry-based proteomics. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 1415-25	5.4	33
43	Business intelligence strategies enables rapid analysis of quantitative proteomics data <b>2012</b> , 1, 5		3
42	Absolute quantification of microbial proteomes at different states by directed mass spectrometry. <i>Molecular Systems Biology</i> , <b>2011</b> , 7, 510	12.2	80
41	A high-confidence human plasma proteome reference set with estimated concentrations in PeptideAtlas. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.006353	7.6	341
40	Quantitative proteomics of microbes: Principles and applications to virulence. <i>Proteomics</i> , <b>2011</b> , 11, 2947-56	4.86	22
39	The quantitative proteome of a human cell line. <i>Molecular Systems Biology</i> , <b>2011</b> , 7, 549	12.2	586
38	Proteome-wide cellular protein concentrations of the human pathogen <i>Leptospira interrogans</i> . <i>Nature</i> , <b>2009</b> , 460, 762-5	50.4	349
37	Visual proteomics of the human pathogen <i>Leptospira interrogans</i> . <i>Nature Methods</i> , <b>2009</b> , 6, 817-23	21.6	128
36	Perspectives of targeted mass spectrometry for protein biomarker verification. <i>Current Opinion in Chemical Biology</i> , <b>2009</b> , 13, 518-25	9.7	151
35	Comparative functional analysis of the <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> proteomes. <i>PLoS Biology</i> , <b>2009</b> , 7, e48	9.7	179
34	Rtt101 and Mms1 in budding yeast form a CUL4(DDB1)-like ubiquitin ligase that promotes replication through damaged DNA. <i>EMBO Reports</i> , <b>2008</b> , 9, 1034-40	6.5	76
33	Targeted quantitative analysis of <i>Streptococcus pyogenes</i> virulence factors by multiple reaction monitoring. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 1489-500	7.6	179

32	Proteomic analysis identifies candidate proteins associated with distant recurrences in breast cancer after adjuvant chemotherapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 1086-93	3.5	14
31	Two-dimensional separation of human plasma proteins using iterative free-flow electrophoresis. <i>Proteomics</i> , <b>2007</b> , 7, 4218-27	4.8	34
30	A high-quality catalog of the <i>Drosophila melanogaster</i> proteome. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 576-83	14.5	230
29	PhosphoPep--a phosphoproteome resource for systems biology research in <i>Drosophila</i> Kc167 cells. <i>Molecular Systems Biology</i> , <b>2007</b> , 3, 139	12.2	160
28	Advances in proteomic workflows for systems biology. <i>Current Opinion in Biotechnology</i> , <b>2007</b> , 18, 378-84	1.4	86
27	Simian Virus 40 depends on ER protein folding and quality control factors for entry into host cells. <i>Cell</i> , <b>2007</b> , 131, 516-29	56.2	243
26	2DDB - a bioinformatics solution for analysis of quantitative proteomics data. <i>BMC Bioinformatics</i> , <b>2006</b> , 7, 158	3.6	20
25	Biosynthesis of dermatan sulfate: chondroitin-glucuronate C5-epimerase is identical to SART2. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 11560-8	5.4	101
24	Functional and phenotypical comparison of myofibroblasts derived from biopsies and bronchoalveolar lavage in mild asthma and scleroderma. <i>Respiratory Research</i> , <b>2006</b> , 7, 11	7.3	27
23	Optimized peptide separation and identification for mass spectrometry based proteomics via free-flow electrophoresis. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2241-9	5.6	78
22	Chapter 14 Proteomics and remodeling of extracellular matrix in lung diseases. <i>Comprehensive Analytical Chemistry</i> , <b>2005</b> , 46, 535-556	1.9	
21	Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 815, 333-42	3.2	4
20	Proteomics: A new research area for the biomedical field. <i>Journal of Organ Dysfunction</i> , <b>2005</b> , 1, 83-94		4
19	Presence of activated mobile fibroblasts in bronchoalveolar lavage from patients with mild asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2004</b> , 170, 1049-56	10.2	45
18	Transforming growth factor-beta 1 specifically induce proteins involved in the myofibroblast contractile apparatus. <i>Molecular and Cellular Proteomics</i> , <b>2004</b> , 3, 466-77	7.6	86
17	Antiproliferative heparan sulfate inhibiting hyaluronan and transforming growth factor- $\beta$ expression in human lung fibroblast cells. <i>Clinical Proteomics</i> , <b>2004</b> , 1, 271-284	5	1
16	Exploring the context of the lung proteome within the airway mucosa following allergen challenge. <i>Journal of Proteome Research</i> , <b>2004</b> , 3, 307-20	5.6	24
15	Proteome annotations and identifications of the human pulmonary fibroblast. <i>Journal of Proteome Research</i> , <b>2004</b> , 3, 525-37	5.6	29

14	Nanocapillary liquid chromatography interfaced to tandem matrix-assisted laser desorption/ionization and electrospray ionization-mass spectrometry: mapping the nuclear proteome of human fibroblasts. <i>Electrophoresis</i> , <b>2003</b> , 24, 3806-14	3.6	23
13	Targeting hepatocytes from liver tissue by laser capture microdissection and proteomics expression profiling. <i>Electrophoresis</i> , <b>2003</b> , 24, 3800-5	3.6	25
12	Activation of platelet-derived growth factor pathway in human asthmatic pulmonary-derived mesenchymal cells. <i>Electrophoresis</i> , <b>2003</b> , 24, 276-85	3.6	23
11	Proteoglycan and proteome profiling of central human pulmonary fibrotic tissue utilizing miniaturized sample preparation: a feasibility study. <i>Proteomics</i> , <b>2002</b> , 2, 394-404	4.8	39
10	On-chip microextraction for proteomic sample preparation of in-gel digests. <i>Proteomics</i> , <b>2002</b> , 2, 413-21	4.8	67
9	Biglycan isoforms with differences in polysaccharide substitution and core protein in human lung fibroblasts. <i>FEBS Journal</i> , <b>2002</b> , 269, 3688-96		27
8	Proteomic 2DE database for spot selection, automated annotation, and data analysis. <i>Journal of Proteome Research</i> , <b>2002</b> , 1, 135-8	5.6	18
7	Proteomics -- the protein expression technology to study connective tissue biology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2001</b> , 24, 815-24	3.5	30
6	A proteomic approach to mimic fibrosis disease evolution by an in vitro cell line. <i>Electrophoresis</i> , <b>2001</b> , 22, 1776-84	3.6	34
5	Heparan sulfate upregulates platelet-derived growth factor receptors on human lung fibroblasts. <i>Glycobiology</i> , <b>1998</b> , 8, 1149-55	5.8	17
4	Opsonization by non-neutralizing antibodies can confer protection to SARS-CoV-2 despite Spike-dependent modulation of phagocytosis		3
3	Streptococcus pyogenes infection and the human proteome with a special focus on the IgG-cleaving enzyme IdeS		1
2	Streptococcus pyogenes forms serotype and local environment-dependent inter-species protein complexes		1
1	Protection induced by a human monoclonal antibody recognizing two different epitopes in a conserved region of streptococcal M proteins		4