

Henrik Nielsen

List of Publications by Citations

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122
papers

27,297
citations

32
h-index

130
g-index

130
ext. papers

33,277
ext. citations

7.6
avg, IF

7.43
L-index

#	Paper	IF	Citations
122	SignalP 4.0: discriminating signal peptides from transmembrane regions. <i>Nature Methods</i> , 2011 , 8, 785-621.6	1.6	6866
121	Improved prediction of signal peptides: SignalP 3.0. <i>Journal of Molecular Biology</i> , 2004 , 340, 783-95	6.5	5563
120	Predicting subcellular localization of proteins based on their N-terminal amino acid sequence. <i>Journal of Molecular Biology</i> , 2000 , 300, 1005-16	6.5	3635
119	Locating proteins in the cell using TargetP, SignalP and related tools. <i>Nature Protocols</i> , 2007 , 2, 953-71	18.8	2596
118	ChloroP, a neural network-based method for predicting chloroplast transit peptides and their cleavage sites. <i>Protein Science</i> , 1999 , 8, 978-84	6.3	1551
117	SignalP 5.0 improves signal peptide predictions using deep neural networks. <i>Nature Biotechnology</i> , 2019 , 37, 420-423	44.5	1536
116	Prediction of lipoprotein signal peptides in Gram-negative bacteria. <i>Protein Science</i> , 2003 , 12, 1652-62	6.3	880
115	A neural network method for identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites. <i>International Journal of Neural Systems</i> , 1997 , 8, 581-99	6.2	552
114	Predicting Secretory Proteins with SignalP. <i>Methods in Molecular Biology</i> , 2017 , 1611, 59-73	1.4	475
113	Machine learning approaches for the prediction of signal peptides and other protein sorting signals. <i>Protein Engineering, Design and Selection</i> , 1999 , 12, 3-9	1.9	461
112	DeepLoc: prediction of protein subcellular localization using deep learning. <i>Bioinformatics</i> , 2017 , 33, 3387-3395	7.2	460
111	Prediction of twin-arginine signal peptides. <i>BMC Bioinformatics</i> , 2005 , 6, 167	3.6	408
110	NetSurfP-2.0: Improved prediction of protein structural features by integrated deep learning. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019 , 87, 520-527	4.2	214
109	LocTree3 prediction of localization. <i>Nucleic Acids Research</i> , 2014 , 42, W350-5	20.1	183
108	Detecting sequence signals in targeting peptides using deep learning. <i>Life Science Alliance</i> , 2019 , 2,	5.8	183
107	An introduction to deep learning on biological sequence data: examples and solutions. <i>Bioinformatics</i> , 2017 , 33, 3685-3690	7.2	81
106	1402. Long-Term Mortality and Epilepsy in Patients After Brain Abscess: A Nationwide Population-based Matched Cohort Study. <i>Open Forum Infectious Diseases</i> , 2019 , 6, S510-S510	1	78

105	1396. Risk Factors for Brain Abscess: A Nationwide Population-based Nested Case-Control Study. <i>Open Forum Infectious Diseases</i> , 2019 , 6, S507-S508	1	78
104	Oral and fecal <i>Campylobacter concisus</i> strains perturb barrier function by apoptosis induction in HT-29/B6 intestinal epithelial cells. <i>PLoS ONE</i> , 2011 , 6, e23858	3.7	63
103	Defining a similarity threshold for a functional protein sequence pattern: the signal peptide cleavage site. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996 , 24, 165-77	4.2	61
102	Post-acute effects of SARS-CoV-2 infection in individuals not requiring hospital admission: a Danish population-based cohort study. <i>Lancet Infectious Diseases</i> , 2021 , 21, 1373-1382	25.5	58
101	SignalP 6.0 predicts all five types of signal peptides using protein language models.. <i>Nature Biotechnology</i> , 2022 ,	44.5	56
100	A Brief History of Protein Sorting Prediction. <i>Protein Journal</i> , 2019 , 38, 200-216	3.9	55
99	Convolutional LSTM Networks for Subcellular Localization of Proteins. <i>Lecture Notes in Computer Science</i> , 2015 , 68-80	0.9	54
98	Serological and molecular evidence of <i>Rickettsia helvetica</i> in Denmark. <i>Scandinavian Journal of Infectious Diseases</i> , 2004 , 36, 559-63		53
97	Effect of 12 mg vs 6 mg of Dexamethasone on the Number of Days Alive Without Life Support in Adults With COVID-19 and Severe Hypoxemia: The COVID STEROID 2 Randomized Trial. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 1807-1817	27.4	46
96	Incidence and severeness of COVID-19 hospitalization in patients with inflammatory rheumatic disease: a nationwide cohort study from Denmark. <i>Rheumatology</i> , 2021 , 60, S159-S167	3.9	46
95	Time to antibiotic therapy and outcome in bacterial meningitis: a Danish population-based cohort study. <i>BMC Infectious Diseases</i> , 2016 , 16, 392	4	44
94	Schistosomiasis in European Travelers and Migrants: Analysis of 14 Years TropNet Surveillance Data. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 97, 567-574	3.2	43
93	Severe malaria in Europe: an 8-year multi-centre observational study. <i>Malaria Journal</i> , 2017 , 16, 57	3.6	37
92	Increased In Vivo Antibody Activity Against Interferon β /Interleukin-1 β and Interleukin-6 After High-Dose Ig Therapy. <i>Blood</i> , 1997 , 90, 2376-2380	2.2	35
91	Optimized cultivation of <i>Campylobacter concisus</i> from gut mucosal biopsies in inflammatory bowel disease. <i>Gut Pathogens</i> , 2016 , 8, 27	5.4	34
90	Stroke in community-acquired bacterial meningitis: a Danish population-based study. <i>International Journal of Infectious Diseases</i> , 2014 , 20, 18-22	10.5	31
89	Complement C3b receptors on erythrocytes, circulating immune complexes, and complement C3 split products in patients with primary Sjögren's syndrome. <i>Arthritis and Rheumatism</i> , 1986 , 29, 857-62		29
88	Immune dysfunction in multiple myeloma. Reduced natural killer cell activity and increased levels of soluble interleukin-2 receptors. <i>Apmis</i> , 1991 , 99, 340-6	3.4	28

87	Intravenous Artesunate Reduces Parasite Clearance Time, Duration of Intensive Care, and Hospital Treatment in Patients With Severe Malaria in Europe: The TropNet Severe Malaria Study. <i>Clinical Infectious Diseases</i> , 2015 , 61, 1441-4	11.6	27
86	Hospital admission and mortality rates for non-covid diseases in Denmark during covid-19 pandemic: nationwide population based cohort study. <i>BMJ, The</i> , 2021 , 373, n1135	5.9	26
85	Molecular epidemiology and comparative genomics of <i>Campylobacter concisus</i> strains from saliva, faeces and gut mucosal biopsies in inflammatory bowel disease. <i>Scientific Reports</i> , 2018 , 8, 1902	4.9	24
84	Low-dose hydrocortisone in patients with COVID-19 and severe hypoxia (COVID STEROID) trial-Protocol and statistical analysis plan. <i>Acta Anaesthesiologica Scandinavica</i> , 2020 , 64, 1365-1375	1.9	22
83	Anti-infective treatment of brain abscess. <i>Expert Review of Anti-Infective Therapy</i> , 2018 , 16, 565-578	5.5	21
82	Improved Survival Among Hospitalized Patients With Coronavirus Disease 2019 (COVID-19) Treated With Remdesivir and Dexamethasone. A Nationwide Population-Based Cohort Study. <i>Clinical Infectious Diseases</i> , 2021 , 73, 2031-2036	11.6	20
81	Circulating immune complexes in myelofibrosis. <i>Scandinavian Journal of Haematology</i> , 1985 , 34, 177-80		18
80	Long-term Mortality and Epilepsy in Patients After Brain Abscess: A Nationwide Population-Based Matched Cohort Study. <i>Clinical Infectious Diseases</i> , 2020 , 71, 2825-2832	11.6	17
79	Association of Lumbar Puncture With Spinal Hematoma in Patients With and Without Coagulopathy. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 1419-1428	27.4	16
78	Venous thromboembolism and major bleeding in patients with COVID-19: A nationwide population-based cohort study. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	16
77	Comparative genomics of <i>Campylobacter concisus</i> : Analysis of clinical strains reveals genome diversity and pathogenic potential. <i>Emerging Microbes and Infections</i> , 2018 , 7, 116	18.9	16
76	Complement C3b receptors on erythrocytes in patients with juvenile rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1987 , 30, 967-71		15
75	Low-dose hydrocortisone in patients with COVID-19 and severe hypoxia: The COVID STEROID randomised, placebo-controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 1421-1430	1.9	15
74	Human pegivirus detected in a patient with severe encephalitis using a metagenomic pan-virus array. <i>Journal of Clinical Virology</i> , 2016 , 77, 5-8	14.5	14
73	Incidence and predictors of intravenous acyclovir-induced nephrotoxicity. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018 , 37, 1965-1971	5.3	14
72	Proinflammatory activation of neutrophils and monocytes by <i>Helicobacter pylori</i> in patients with different clinical presentations. <i>Infection and Immunity</i> , 1999 , 67, 3171-4	3.7	14
71	Prediction of GPI-anchored proteins with pointer neural networks. <i>Current Research in Biotechnology</i> , 2021 , 3, 6-13	4.8	14
70	Multilocus sequence typing of <i>Campylobacter concisus</i> from Danish diarrheic patients. <i>Gut Pathogens</i> , 2016 , 8, 44	5.4	13

69	Comparison of polycarbonate and cellulose acetate membrane filters for isolation of <i>Campylobacter concisus</i> from stool samples. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013 , 76, 549-50	2.9	13
68	Statin Use and Risk of Community-Acquired <i>Staphylococcus aureus</i> Bacteremia: A Population-Based Case-Control Study. <i>Mayo Clinic Proceedings</i> , 2017 , 92, 1469-1478	6.4	13
67	Proinflammatory activation of neutrophils and monocytes by <i>Helicobacter pylori</i> is not associated with <i>cagA</i> , <i>vacA</i> or <i>picB</i> genotypes. <i>Apmis</i> , 1999 , 107, 1117-1123	3.4	13
66	Venous thromboembolism after community-acquired bacteraemia: a 20-year danish cohort study. <i>PLoS ONE</i> , 2014 , 9, e86094	3.7	13
65	Varicella Zoster Virus Encephalitis in Denmark From 2015 to 2019-A Nationwide Prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1192-1199	11.6	13
64	High risk of microscopic colitis after infection: population-based cohort study. <i>Gut</i> , 2020 , 69, 1952-1958	19.2	11
63	Cerebrospinal fluid lactate as a marker to differentiate between community-acquired acute bacterial meningitis and aseptic meningitis/encephalitis in adults: a Danish prospective observational cohort study. <i>Infectious Diseases</i> , 2018 , 50, 514-521	3.1	11
62	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. <i>BMC Infectious Diseases</i> , 2021 , 21, 1170 ⁴		11
61	Risk Factors for Brain Abscess: A Nationwide, Population-Based, Nested Case-Control Study. <i>Clinical Infectious Diseases</i> , 2020 , 71, 1040-1046	11.6	11
60	Community-acquired meningitis in adults caused by <i>Escherichia coli</i> in Denmark and The Netherlands. <i>Journal of Infection</i> , 2018 , 77, 25-29	18.9	11
59	Predicting eukaryotic protein secretion without signals. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 140174	4	10
58	DeepLoc 2.0: multi-label subcellular localization prediction using protein language models.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	10
57	Polycarbonate filtration technique is noninferior to mCCDA for isolation of <i>Campylobacter</i> species from stool samples. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015 , 83, 11-2	2.9	9
56	Defective monocyte function in Legionnaires Disease complicating hairy cell leukaemia. <i>Acta Medica Scandinavica</i> , 1986 , 220, 381-3		9
55	An overabundance of phase 0 introns immediately after the start codon in eukaryotic genes. <i>BMC Genomics</i> , 2006 , 7, 256	4.5	9
54	Comparison of alveolar macrophage and blood monocyte oxidative burst response in pulmonary sarcoidosis. <i>Apmis</i> , 1990 , 98, 401-6	3.4	9
53	<i>Campylobacter fetus</i> impairs barrier function in HT-29/B6 cells through focal tight junction alterations and leaks. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1405, 189-201	6.5	8
52	Serodiagnosis of <i>Helicobacter pylori</i> infection in patients with human immunodeficiency virus infection. <i>Apmis</i> , 1995 , 103, 689-692	3.4	8

51	Classification of Healthcare-Associated Staphylococcus aureus Bacteremia: Influence of Different Definitions on Prevalence, Patient Characteristics, and Outcome. <i>Infection Control and Hospital Epidemiology</i> , 2016 , 37, 208-11	2	8
50	Neurological sequelae remain frequent after bacterial meningitis in children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020 , 109, 361-367	3.1	8
49	Positive predictive value of ICD-10 diagnosis codes for brain abscess in the Danish National Patient Registry. <i>Clinical Epidemiology</i> , 2018 , 10, 1503-1508	5.9	8
48	First wave of COVID-19 hospital admissions in Denmark: a Nationwide population-based cohort study. <i>BMC Infectious Diseases</i> , 2021 , 21, 39	4	8
47	Risk of inflammatory bowel disease after and infection: a population-based cohort study. <i>Scandinavian Journal of Gastroenterology</i> , 2019 , 54, 265-272	2.4	7
46	Incidence of community-onset extended-spectrum β lactamase-producing and infections: an 11-year population-based study in Denmark. <i>Infectious Diseases</i> , 2020 , 52, 547-556	3.1	7
45	Use of Glucocorticoids and Risk of Community-Acquired Staphylococcus aureus Bacteremia: A Population-Based Case-Control Study. <i>Mayo Clinic Proceedings</i> , 2016 , 91, 873-80	6.4	7
44	Risk factors and prognosis of seizures in adults with community-acquired bacterial meningitis in Denmark: observational cohort studies. <i>BMJ Open</i> , 2019 , 9, e030263	3	7
43	Predicting Subcellular Localization of Proteins by Bioinformatic Algorithms. <i>Current Topics in Microbiology and Immunology</i> , 2017 , 404, 129-158	3.3	7
42	In vitro characterization of synthesized thyroglobulin immune complexes (IC). A model for studies of IC containing an autoantigen. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 1981 , 36, 107-13	9.3	7
41	is prevalent in the gastrointestinal tract of patients with microscopic colitis. <i>Scandinavian Journal of Gastroenterology</i> , 2020 , 55, 924-930	2.4	6
40	A Randomized Trial Comparing Initial Haart Regimens of Nelfinavir/Nevirapine and Ritonavir/Saquinavir in Combination with Two Nucleoside Reverse Transcriptase Inhibitors. <i>Antiviral Therapy</i> , 2003 , 8, 595-602	1.6	6
39	Valaciclovir therapy for herpes encephalitis: caution advised. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 1467-1468	5.1	5
38	Lyme neuroborreliosis in adults: A nationwide prospective cohort study. <i>Ticks and Tick-borne Diseases</i> , 2020 , 11, 101411	3.6	5
37	Protein Sorting Prediction. <i>Methods in Molecular Biology</i> , 2017 , 1615, 23-57	1.4	5
36	Outcome of Community-Acquired Staphylococcus aureus Bacteraemia in Patients with Diabetes: A Historical Population-Based Cohort Study. <i>PLoS ONE</i> , 2016 , 11, e0153766	3.7	5
35	Comparative genomics and genome biology of. <i>Emerging Microbes and Infections</i> , 2019 , 8, 827-840	18.9	4
34	Azithromycin vs. Placebo for the Clinical Outcome in Campylobacter concisus Diarrhoea in Adults: A Randomized, Double-Blinded, Placebo-Controlled Clinical Trial. <i>PLoS ONE</i> , 2016 , 11, e0166395	3.7	4

33	Outcome of community-onset ESBL-producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> bacteraemia and urinary tract infection: a population-based cohort study in Denmark. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 3656-3664	5.1	3
32	SARS-CoV-2 antibody prevalence among homeless people, sex workers and shelter workers in Denmark: a nationwide cross-sectional study		3
31	Microscopic Colitis Patients Possess a Perturbed and Inflammatory Gut Microbiota. <i>Digestive Diseases and Sciences</i> , 2021 , 1	4	3
30	Risk factors of community-onset extended-spectrum β -lactamase <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> bacteraemia: an 11-year population-based case-control study in Denmark. <i>Clinical Microbiology and Infection</i> , 2021 , 27, 871-877	9.5	3
29	High genetic diversity in <i>Campylobacter concisus</i> isolates from patients with microscopic colitis. <i>Gut Pathogens</i> , 2021 , 13, 3	5.4	3
28	Characteristics Associated with Serological Covid-19 Vaccine Response and Durability in an Older Population with Significant Comorbidity: The Danish Nationwide ENFORCE Study.. <i>Clinical Microbiology and Infection</i> , 2022 ,	9.5	3
27	Motility of <i>Campylobacter concisus</i> isolated from saliva, feces, and gut mucosal biopsies. <i>Apmis</i> , 2017 , 125, 230-235	3.4	2
26	Landscape of Eukaryotic Transmembrane Beta Barrel Proteins. <i>Journal of Proteome Research</i> , 2020 , 19, 1209-1221	5.6	2
25	Response to letter regarding article, "Risk for myocardial infarction and stroke after community-acquired bacteremia: a 20-year population-based cohort study". <i>Circulation</i> , 2015 , 131, e9	16.7	2
24	Effect of 3BNC117 and romidepsin on the HIV-1 reservoir in people taking suppressive antiretroviral therapy (ROADMAP): a randomised, open-label, phase 2A trial.. <i>Lancet Microbe</i> , 2022 , 3, e203-e214	22.2	2
23	Positive Predictive Value of the ICD-10 Diagnosis Code for Long-COVID.. <i>Clinical Epidemiology</i> , 2022 , 14, 141-148	5.9	2
22	Language modelling for biological sequences [Curated datasets and baselines		2
21	CT and MR neuroimaging findings in patients with Lyme neuroborreliosis: A national prospective cohort study. <i>Journal of the Neurological Sciences</i> , 2020 , 419, 117176	3.2	2
20	Genetic variants and immune responses in a cohort of patients with varicella zoster virus encephalitis. <i>Journal of Infectious Diseases</i> , 2021 ,	7	2
19	Enterovirus Meningitis in Adults: A Prospective Nationwide Population-Based Cohort Study. <i>Neurology</i> , 2021 , 97, e454-e463	6.5	2
18	Motility and biofilm formation of the emerging gastrointestinal pathogen <i>Campylobacter concisus</i> differs under microaerophilic and anaerobic environments. <i>Gut Microbes</i> , 2019 , 10, 34-44	8.8	2
17	Normocellular Community-Acquired Bacterial Meningitis in Adults: A Nationwide Population-Based Case Series. <i>Annals of Emergency Medicine</i> , 2021 , 77, 11-18	2.1	2
16	Community-acquired meningitis caused by beta-haemolytic streptococci in adults: a nationwide population-based cohort study. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019 , 38, 2305-2310	5.3	1

15	Longer than 2 hours to antibiotics is associated with doubling of mortality in a multinational community-acquired bacterial meningitis cohort.. <i>Scientific Reports</i> , 2022 , 12, 672	4.9	1
14	Seroprevalence of SARS-CoV-2 antibodies in social housing areas in Denmark.. <i>BMC Infectious Diseases</i> , 2022 , 22, 143	4	1
13	Existing Data Sources for Clinical Epidemiology: The Danish Study Group of Infections of the Brain Database (DASGIB). <i>Clinical Epidemiology</i> , 2021 , 13, 921-933	5.9	1
12	Prediction of GPI-Anchored proteins with pointer neural networks		1
11	Long-term Mortality and Risk of Epilepsy in Children and Young Adults With Brain Abscess. <i>Pediatric Infectious Disease Journal</i> , 2020 , 39, 877-882	3.4	1
10	Testing Denmark: a Danish Nationwide Surveillance Study of COVID-19.. <i>Microbiology Spectrum</i> , 2021 , 9, e0133021	8.9	1
9	Partial oral antibiotic treatment for bacterial brain abscess: an open-label randomized non-inferiority trial (ORAL). <i>Trials</i> , 2021 , 22, 796	2.8	0
8	Treatment of community-acquired bacterial brain abscess: a survey among infectious diseases specialists in France, Sweden, Australia, and Denmark. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021 , 40, 255-260	5.3	0
7	Influence of Acetylsalicylic Acid Use on Risk and Outcome of Community-Acquired Bacteremia: A Population-Based Study. <i>Open Forum Infectious Diseases</i> , 2019 , 6, ofz356	1	
6	In Reply-Statin Use Associated With a Decreased Risk of Community-Acquired Staphylococcus aureus Bacteremia. <i>Mayo Clinic Proceedings</i> , 2018 , 93, 542	6.4	
5	Immunoglobulin G response in patients with Campylobacter concisus diarrhea. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016 , 84, 151-4	2.9	
4	Precipitable immune complexes in serum and synovial fluid of patients with rheumatoid arthritis. <i>Scandinavian Journal of Rheumatology</i> , 1985 , 14, 84-6	1.9	
3	Morbo Serpentino. <i>Journal of Hospital Medicine</i> , 2017 , 12, 755-759	2.7	
2	Risk of Spinal Hematoma After Lumbar Puncture-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 325, 788	27.4	
1	Reply to Ito. <i>Clinical Infectious Diseases</i> , 2021 , 73, 939-940	11.6	