

# Carl A K Borrebaeck

## List of Publications by Year in descending order

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107  
papers

4,942  
citations

81900

39  
h-index

98798

67  
g-index

111  
all docs

111  
docs citations

111  
times ranked

5557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision diagnostics: moving towards protein biomarker signatures of clinical utility in cancer. <i>Nature Reviews Cancer</i> , 2017, 17, 199-204.	28.4	318
2	ProteomeBinders: planning a European resource of affinity reagents for analysis of the human proteome. <i>Nature Methods</i> , 2007, 4, 13-17.	19.0	231
3	Nuclear expression of the non-B-cell lineage Sox11 transcription factor identifies mantle cell lymphoma. <i>Blood</i> , 2008, 111, 800-805.	1.4	185
4	Multiplexed Lipid Dip-Pen Nanolithography on Subcellular Scales for the Templating of Functional Proteins and Cell Culture. <i>Small</i> , 2008, 4, 1785-1793.	10.0	142
5	Design of high-density antibody microarrays for disease proteomics: Key technological issues. <i>Journal of Proteomics</i> , 2009, 72, 928-935.	2.4	135
6	Patterns of DNA-Labeled and scFv-Antibody-Carrying Lipid Vesicles Directed by Material-Specific Immobilization of DNA and Supported Lipid Bilayer Formation on an Au/SiO <sub>2</sub> Template. <i>ChemBioChem</i> , 2003, 4, 339-343.	2.6	132
7	Strong lymphoid nuclear expression of SOX11 transcription factor defines lymphoblastic neoplasms, mantle cell lymphoma and Burkitt's lymphoma. <i>Haematologica</i> , 2009, 94, 1563-1568.	3.5	131
8	A genomic biomarker signature can predict skin sensitizers using a cell-based in vitro alternative to animal tests. <i>BMC Genomics</i> , 2011, 12, 399.	2.8	123
9	High-throughput proteomics using antibody microarrays: an update. <i>Expert Review of Molecular Diagnostics</i> , 2007, 7, 673-686.	3.1	113
10	Progress in miniaturization of protein arrays—a step closer to high-density nanoarrays. <i>Drug Discovery Today</i> , 2007, 12, 813-819.	6.4	109
11	Detection of pancreatic cancer using antibody microarray-based serum protein profiling. <i>Proteomics</i> , 2008, 8, 2211-2219.	2.2	108
12	Serum Biomarker Signature-Based Liquid Biopsy for Diagnosis of Early-Stage Pancreatic Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 2887-2894.	1.6	108
13	Serum proteome profiling of metastatic breast cancer using recombinant antibody microarrays. <i>European Journal of Cancer</i> , 2008, 44, 472-480.	2.8	106
14	Design of recombinant antibody microarrays for complex proteome analysis: Choice of sample labeling-tag and solid support. <i>Proteomics</i> , 2007, 7, 3055-3065.	2.2	102
15	Antibody Microarrays: Current Status and Key Technological Advances. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 411-427.	2.0	100
16	Identification of Serum Biomarker Signatures Associated with Pancreatic Cancer. <i>Cancer Research</i> , 2012, 72, 2481-2490.	0.9	98
17	Identification of Protein Expression Signatures Associated with Helicobacter pylori Infection and Gastric Adenocarcinoma Using Recombinant Antibody Microarrays. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1638-1646.	3.8	92
18	Mantle cell lymphomas express a distinct genetic signature affecting lymphocyte trafficking and growth regulation as compared with subpopulations of normal human B cells. <i>Cancer Research</i> , 2002, 62, 4398-405.	0.9	92

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19	Microarrays based on affinity-tagged single-chain Fv antibodies: Sensitive detection of analyte in complex proteomes. <i>Proteomics</i> , 2005, 5, 1281-1291.	2.2	90
20	The GARD assay for assessment of chemical skin sensitizers. <i>Toxicology in Vitro</i> , 2013, 27, 1163-1169.	2.4	87
21	Design of Recombinant Antibody Microarrays for Serum Protein Profiling: Targeting of Complement Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 3527-3536.	3.7	81
22	Strategy for surveying the proteome using affinity proteomics and mass spectrometry. <i>Proteomics</i> , 2009, 9, 1511-1517.	2.2	81
23	Functional and transcriptional profiling of MUTZ-3, a myeloid cell line acting as a model for dendritic cells. <i>Immunology</i> , 2006, 117, 156-166.	4.4	76
24	Biocompatibility of surfaces for antibody microarrays: design of macroporous silicon substrates. <i>Analytical Biochemistry</i> , 2005, 341, 204-213.	2.4	73
25	Molecular serum portraits in patients with primary breast cancer predict the development of distant metastases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14252-14257.	7.1	68
26	Antibody-Based Microarrays. <i>Methods in Molecular Biology</i> , 2009, 509, 57-84.	0.9	65
27	High-throughput proteomics using antibody microarrays. <i>Expert Review of Proteomics</i> , 2004, 1, 355-364.	3.0	63
28	Serum Protein Profiling of Systemic Lupus Erythematosus and Systemic Sclerosis Using Recombinant Antibody Microarrays. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.005033.	3.8	63
29	Implementing liquid biopsies into clinical decision making for cancer immunotherapy. <i>Oncotarget</i> , 2017, 8, 48507-48520.	1.8	63
30	Improved affinity coupling for antibody microarrays: Engineering of double-(His) <sub>6</sub> -tagged single framework recombinant antibody fragments. <i>Proteomics</i> , 2006, 6, 4227-4234.	2.2	59
31	Animal-free alternatives and the antibody iceberg. <i>Nature Biotechnology</i> , 2020, 38, 1234-1239.	17.5	58
32	Antibody microarray-based oncoproteomics. <i>Expert Opinion on Biological Therapy</i> , 2006, 6, 833-838.	3.1	53
33	Global reprogramming of dendritic cells in response to a concerted action of inflammatory mediators. <i>International Immunology</i> , 2002, 14, 1203-1213.	4.0	51
34	Recombinant antibody microarrays—a viable option?. <i>Nature Biotechnology</i> , 2003, 21, 223-223.	17.5	47
35	Plasma proteome profiling reveals biomarker patterns associated with prognosis and therapy selection in glioblastoma multiforme patients. <i>Proteomics - Clinical Applications</i> , 2010, 4, 591-602.	1.6	45
36	Modelling the benefits of early diagnosis of pancreatic cancer using a biomarker signature. <i>International Journal of Cancer</i> , 2013, 133, 2392-2397.	5.1	45

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37	Psychometric properties of the Connor-Davidson Resilience Scale (CD-RISC) in a non-clinical population in Sweden. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 132.	2.4	44
38	One-Step Fractionation of Complex Proteomes Enables Detection of Low Abundant Analytes Using Antibody-Based Microarrays. <i>Journal of Proteome Research</i> , 2006, 5, 170-176.	3.7	40
39	Functionally associated targets in mantle cell lymphoma as defined by DNA microarrays and RNA interference. <i>Blood</i> , 2008, 111, 1617-1624.	1.4	40
40	The Human IgE-encoding Transcriptome to Assess Antibody Repertoires and Repertoire Evolution. <i>Journal of Molecular Biology</i> , 2006, 362, 212-227.	4.2	39
41	Antibody evolution beyond Nature. <i>Nature Biotechnology</i> , 2002, 20, 1189-1190.	17.5	38
42	Gravimetric antigen detection utilizing antibody-modified lipid bilayers. <i>Analytical Biochemistry</i> , 2005, 345, 72-80.	2.4	37
43	Skin sensitizers differentially regulate signaling pathways in MUTZ-3 cells in relation to their individual potency. <i>BMC Pharmacology &amp; Toxicology</i> , 2014, 15, 5.	2.4	36
44	Mantle cell lymphomas acquire increased expression of CCL4, CCL5 and 4-1BB-L implicated in cell survival. <i>International Journal of Cancer</i> , 2006, 118, 2092-2097.	5.1	35
45	Generation and analyses of human synthetic antibody libraries and their application for protein microarrays. <i>Protein Engineering, Design and Selection</i> , 2016, 29, 427-437.	2.1	35
46	From Gene Expression Analysis to Tissue Microarrays. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1072-1081.	3.8	34
47	Prediction of Chemical Respiratory Sensitizers Using GARD, a Novel In Vitro Assay Based on a Genomic Biomarker Signature. <i>PLoS ONE</i> , 2015, 10, e0118808.	2.5	34
48	Design of Recombinant Antibody Microarrays for Cell Surface Membrane Proteomics. <i>Journal of Proteome Research</i> , 2008, 7, 319-327.	3.7	33
49	Recombinant Antibodies for the Generation of Antibody Arrays. <i>Methods in Molecular Biology</i> , 2011, 785, 247-262.	0.9	32
50	Knockdown of SOX11 induces autotaxin-dependent increase in proliferation <i>in vitro</i> and more aggressive tumors <i>in vivo</i> . <i>Molecular Oncology</i> , 2011, 5, 527-537.	4.6	30
51	Design of atto-vial based recombinant antibody arrays combined with a planar wave-guide detection system. <i>Proteomics</i> , 2007, 7, 540-547.	2.2	29
52	Transferring proteomic discoveries into clinical practice. <i>Expert Review of Proteomics</i> , 2009, 6, 11-13.	3.0	28
53	Grading Breast Cancer Tissues Using Molecular Portraits. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3612-3623.	3.8	28
54	Augmented Phl p 5-specific Th2 response after exposure of dendritic cells to allergen in complex with specific IgE compared to IgG1 and IgG4. <i>Clinical Immunology</i> , 2008, 128, 358-365.	3.2	27

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55	Genomic Allergen Rapid Detection In-House Validation – A Proof of Concept. <i>Toxicological Sciences</i> , 2014, 139, 362-370.	3.1	27
56	Technical Advances of the Recombinant Antibody Microarray Technology Platform for Clinical Immunoproteomics. <i>PLoS ONE</i> , 2016, 11, e0159138.	2.5	27
57	A Multicenter Trial Defining a Serum Protein Signature Associated with Pancreatic Ductal Adenocarcinoma. <i>International Journal of Proteomics</i> , 2015, 2015, 1-10.	2.0	26
58	Plasma protein profiling in a stage defined pancreatic cancer cohort – Implications for early diagnosis. <i>Molecular Oncology</i> , 2016, 10, 1305-1316.	4.6	25
59	Rapid induction of apoptosis in B-cell lymphoma by functionally isolated human antibodies. <i>International Journal of Cancer</i> , 2006, 119, 349-358.	5.1	23
60	Serum proteome profiling of pancreatitis using recombinant antibody microarrays reveals disease-associated biomarker signatures. <i>Proteomics - Clinical Applications</i> , 2012, 6, 486-496.	1.6	23
61	Expanded clinical and experimental use of SOX11 - using a monoclonal antibody. <i>BMC Cancer</i> , 2012, 12, 269.	2.6	23
62	B cell lymphomas express CX3CR1 a non-B cell lineage adhesion molecule. <i>Cancer Letters</i> , 2008, 259, 138-145.	7.2	22
63	Genomic and functional delineation of dendritic cells and memory T cells derived from grass pollen-allergic patients and healthy individuals. <i>International Immunology</i> , 2005, 17, 401-409.	4.0	21
64	Quantitative Proteomics Targeting Classes of Motif-containing Peptides Using Immunoaffinity-based Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 342-354.	3.8	21
65	Epitope-specificity of recombinant antibodies reveals promiscuous peptide-binding properties. <i>Protein Science</i> , 2012, 21, 1897-1910.	7.6	21
66	Increased expression of Ki-67 in mantle cell lymphoma is associated with de-regulation of several cell cycle regulatory components, as identified by global gene expression analysis. <i>Haematologica</i> , 2004, 89, 686-95.	3.5	21
67	Tissue proteome profiling of preeclamptic placenta using recombinant antibody microarrays. <i>Proteomics - Clinical Applications</i> , 2010, 4, 794-807.	1.6	20
68	Histamine H4 receptor antagonism inhibits allergen-specific T-cell responses mediated by human dendritic cells. <i>European Journal of Pharmacology</i> , 2011, 651, 197-204.	3.5	20
69	Quantitative interpretation of gold nanoparticle-based bioassays designed for detection of immunocomplex formation. <i>Biointerphases</i> , 2007, 2, 6-15.	1.6	19
70	Design of recombinant antibody microarrays for membrane protein profiling of cell lysates and tissue extracts. <i>Proteomics</i> , 2011, 11, 1550-1554.	2.2	19
71	Antibody Array Generation and Use. <i>Methods in Molecular Biology</i> , 2014, 1131, 563-571.	0.9	19
72	Modulation of the CD40-CD40 ligand interaction using human anti-CD40 single-chain antibody fragments obtained from the n-CoDeR phage display library. <i>Immunology</i> , 2002, 106, 456-463.	4.4	17

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73	Transcriptional profiling and assessment of cell lines as in vitro models for mantle cell lymphoma. <i>Leukemia Research</i> , 2005, 29, 205-213.	0.8	17
74	Proteomic Analysis and Discovery Using Affinity Proteomics and Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003962.	3.8	16
75	Protein Expression Profiling of Formalin-Fixed Paraffin-Embedded Tissue Using Recombinant Antibody Microarrays. <i>Journal of Proteome Research</i> , 2013, 12, 5943-5953.	3.7	16
76	Identification of B-cell lymphoma subsets by plasma protein profiling using recombinant antibody microarrays. <i>Leukemia Research</i> , 2014, 38, 682-690.	0.8	14
77	&lt;p&gt;Psychological Resilience and Health-Related Quality of Life in Swedish Women with Newly Diagnosed Breast Cancer&lt;/p&gt;. <i>Cancer Management and Research</i> , 2020, Volume 12, 12041-12051.	1.9	14
78	The nuclear DNA repair protein Ku70/80 is a tumor-associated antigen displaying rapid receptor mediated endocytosis. <i>International Journal of Cancer</i> , 2006, 119, 2492-2496.	5.1	12
79	Antibody Evolution from the Centre to the Periphery: Applied to a Human Antibody Fragment Recognising the Tumour-associated Antigen Mucin-1. <i>Journal of Molecular Biology</i> , 2002, 318, 407-416.	4.2	11
80	Attovial&euml;based antibody nanoarrays. <i>Proteomics</i> , 2009, 9, 5406-5413.	2.2	11
81	Surrogate antigens as targets for proteome-wide binder selection. <i>New Biotechnology</i> , 2011, 28, 302-311.	4.4	11
82	Multiplexing of miniaturized planar antibody arrays for serum protein profiling â€“ a biomarker discovery in SLE nephritis. <i>Lab on A Chip</i> , 2014, 14, 1931-1942.	6.0	11
83	Evaluation of Solid Supports for Slide- and Well-Based Recombinant Antibody Microarrays. <i>Microarrays (Basel, Switzerland)</i> , 2016, 5, 16.	1.4	11
84	A multicenter study investigating the molecular fingerprint of psychological resilience in breast cancer patients: study protocol of the SCAN-B resilience study. <i>BMC Cancer</i> , 2018, 18, 789.	2.6	11
85	Profiling of internalizing tumor-associated antigens on breast and pancreatic cancer cells by reversed genomics. <i>Cancer Letters</i> , 2004, 208, 235-242.	7.2	10
86	Design of recombinant antibody microarrays for urinary proteomics. <i>Proteomics - Clinical Applications</i> , 2012, 6, 291-296.	1.6	10
87	Identification of plasma protein profiles associated with risk groups of prostate cancer patients. <i>Proteomics - Clinical Applications</i> , 2014, 8, 951-962.	1.6	10
88	Distribution, cellular localization, and therapeutic potential of the tumor-associated antigen Ku70/80 in glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2010, 97, 207-215.	2.9	9
89	Viewpoints in clinical proteomics: When will proteomics deliver clinically useful information?. <i>Proteomics - Clinical Applications</i> , 2012, 6, 343-345.	1.6	9
90	Skin Sensitization Testing&euml;”What&euml;s Next?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 666.	4.1	9

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91	Pre-assembly of the extracellular domains of CD40 is not necessary for rescue of mouse B cells from anti-immunoglobulin M-induced apoptosis. <i>Immunology</i> , 2003, 108, 452-457.	4.4	8
92	Molecular design of recombinant scFv antibodies for site-specific photocoupling to $\beta$ -cyclodextrin in solution and onto solid support. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2164-2173.	2.3	8
93	Miniaturization of multiplexed planar recombinant antibody arrays for serum protein profiling. <i>Bioanalysis</i> , 2014, 6, 1175-1185.	1.5	8
94	Recombinant Antibody Microarray for Profiling the Serum Proteome of SLE. <i>Methods in Molecular Biology</i> , 2014, 1134, 67-78.	0.9	8
95	Tumor tissue protein signatures reflect histological grade of breast cancer. <i>PLoS ONE</i> , 2017, 12, e0179775.	2.5	8
96	A tandem repeat of MUC1 core protein induces a weak in vitro immune response in human B cells. <i>Cancer Immunology, Immunotherapy</i> , 1999, 47, 249-256.	4.2	7
97	CD4+ T Cells Have a Key Instructive Role in Educating Dendritic Cells in Allergy. <i>International Archives of Allergy and Immunology</i> , 2009, 149, 1-15.	2.1	7
98	A novel mammalian display system for the selection of protein-protein interactions by decoy receptor engagement. <i>Journal of Molecular Recognition</i> , 2004, 17, 316-322.	2.1	5
99	Selection and Characterization of Antibodies from Phage Display Libraries Against Internalizing Membrane Antigens. <i>Methods in Molecular Biology</i> , 2009, 480, 113-127.	0.9	5
100	Testing Human Skin and Respiratory Sensitizers-What Is Good Enough?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 241.	4.1	3
101	The Value of a New Diagnostic Test for Prostate Cancer: A Cost-Utility Analysis in Early Stage of Development. <i>Pharmacoeconomics - Open</i> , 2021, 5, 77-88.	1.8	3
102	Identification of a serum biomarker signature associated with metastatic prostate cancer. <i>Proteomics - Clinical Applications</i> , 2021, 15, 2000025.	1.6	3
103	Nuclear T-STAR Protein Expression Correlates with HER2 Status, Hormone Receptor Negativity and Prolonged Recurrence Free Survival in Primary Breast Cancer and Decreased Cancer Cell Growth In Vitro. <i>PLoS ONE</i> , 2013, 8, e70596.	2.5	2
104	Multiplex profiling of serum proteins in solution using barcoded antibody fragments and next generation sequencing. <i>Communications Biology</i> , 2020, 3, 339.	4.4	2
105	Advancing the global proteome survey platform by using an oriented single chain antibody fragment immobilization approach. <i>New Biotechnology</i> , 2016, 33, 503-513.	4.4	1
106	GARD: Genomic Allergen Rapid Detection. , 2017, , 393-403.		1
107	Antibody-Based Microarrays. , 2007, , 175-189.		0