

Brian B Haab

List of Publications by Year in descending order

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92
papers

7,600
citations

87888

38
h-index

51608

86
g-index

97
all docs

97
docs citations

97
times ranked

7598
citing authors

#	ARTICLE	IF	CITATIONS
1	CarboGrove: a resource of glycan-binding specificities through analyzed glycan-array datasets from all platforms. <i>Glycobiology</i> , 2022, 32, 679-690.	2.5	4
2	Detection of Chemotherapy-resistant Pancreatic Cancer Using a Glycan Biomarker, sTRA. <i>Clinical Cancer Research</i> , 2021, 27, 226-236.	7.0	15
3	Imaging Mass Spectrometry and Lectin Analysis of N-Linked Glycans in Carbohydrate Antigen-Defined Pancreatic Cancer Tissues. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100012.	3.8	57
4	Combined Analysis of Multiple Glycan-Array Datasets: New Explorations of Protein-Glycan Interactions. <i>Analytical Chemistry</i> , 2021, 93, 10925-10933.	6.5	10
5	Biomarkers and Strategy to Detect Preinvasive and Early Pancreatic Cancer: State of the Field and the Impact of the EDRN. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2513-2523.	2.5	9
6	Automated Identification of Lectin Fine Specificities from Glycan-Array Data. <i>ACS Symposium Series</i> , 2020, , 67-82.	0.5	4
7	Advances in Tools to Determine the Glycan-Binding Specificities of Lectins and Antibodies. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 224-232.	3.8	30
8	A Novel Mass Spectrometry Platform for Multiplexed N-Glycoprotein Biomarker Discovery from Patient Biofluids by Antibody Panel Based N-Glycan Imaging. <i>Analytical Chemistry</i> , 2019, 91, 8429-8435.	6.5	38
9	Automated Identification and Quantification of Signals in Multichannel Immunofluorescence Images. <i>American Journal of Pathology</i> , 2019, 189, 1402-1412.	3.8	8
10	The sTRA Plasma Biomarker: Blinded Validation of Improved Accuracy Over CA19-9 in Pancreatic Cancer Diagnosis. <i>Clinical Cancer Research</i> , 2019, 25, 2745-2754.	7.0	32
11	Deciphering Protein Glycosylation by Computational Integration of On-chip Profiling, Glycan-array Data, and Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 28-40.	3.8	15
12	Mining High-Complexity Motifs in Glycans: A New Language To Uncover the Fine Specificities of Lectins and Glycosidases. <i>Analytical Chemistry</i> , 2017, 89, 12342-12350.	6.5	28
13	The CA19-9 and Sialyl-TRA Antigens Define Separate Subpopulations of Pancreatic Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 4020.	3.3	17
14	A Gastric Glycoform of MUC5AC Is a Biomarker of Mucinous Cysts of the Pancreas. <i>PLoS ONE</i> , 2016, 11, e0167070.	2.5	24
15	Characterizing Protein Glycosylation through On-Chip Glycan Modification and Probing. <i>Analytical Chemistry</i> , 2016, 88, 11584-11592.	6.5	13
16	Multiplexed autoantigen microarrays identify HLA as a key driver of anti-desmoglein and -non-desmoglein reactivities in pemphigus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1859-1864.	7.1	50
17	Glycans Related to the CA19-9 Antigen Are Increased in Distinct Subsets of Pancreatic Cancers and Improve Diagnostic Accuracy Over CA19-9. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 210-221.e15.	4.5	33
18	Mining and Using Glycan Array Data with the GlycoSearch Analysis Program and GlycanBinder Database. , 2015, , 61-68.		2

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19	The Detection and Discovery of Glycan Motifs in Biological Samples Using Lectins and Antibodies: New Methods and Opportunities. <i>Advances in Cancer Research</i> , 2015, 126, 167-202.	5.0	30
20	Glycan Motif Profiling Reveals Plasma Sialyl-Lewis X Elevations in Pancreatic Cancers That Are Negative for Sialyl-Lewis A *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1323-1333.	3.8	34
21	Upregulation of Glycans Containing 3- α -Fucose in a Subset of Pancreatic Cancers Uncovered Using Fusion-Tagged Lectins. <i>Journal of Proteome Research</i> , 2015, 14, 2594-2605.	3.7	24
22	Segment and Fit Thresholding: A New Method for Image Analysis Applied to Microarray and Immunofluorescence Data. <i>Analytical Chemistry</i> , 2015, 87, 9715-9721.	6.5	20
23	Exploring the Specificities of Glycan-Binding Proteins Using Glycan Array Data and the GlycoSearch Software. <i>Methods in Molecular Biology</i> , 2015, 1273, 203-214.	0.9	7
24	Definitive Characterization of CA 19-9 in Resectable Pancreatic Cancer Using a Reference Set of Serum and Plasma Specimens. <i>PLoS ONE</i> , 2015, 10, e0139049.	2.5	31
25	MALDI Imaging Mass Spectrometry Profiling of N-Glycans in Formalin-Fixed Paraffin Embedded Clinical Tissue Blocks and Tissue Microarrays. <i>PLoS ONE</i> , 2014, 9, e106255.	2.5	198
26	Detection of distinct glycosylation patterns on human β -glutamyl transpeptidase 1 using antibody-lectin sandwich array (ALSA) technology. <i>BMC Biotechnology</i> , 2014, 14, 101.	3.3	6
27	Mesenchymal-like pancreatic cancer cells harbor specific genomic alterations more frequently than their epithelial-like counterparts. <i>Molecular Oncology</i> , 2014, 8, 1253-1265.	4.6	8
28	Characterization of Glycoproteins in Pancreatic Cyst Fluid Using a High-Performance Multiple Lectin Affinity Chromatography Platform. <i>Journal of Proteome Research</i> , 2014, 13, 289-299.	3.7	25
29	Mining and Using Glycan Array Data with the GlycoSearch Analysis Program and GlycanBinder Database. , 2014, , 1-7.		0
30	The developing schistosome worms elicit distinct immune responses in different tissue regions. <i>Immunology and Cell Biology</i> , 2013, 91, 477-485.	2.3	22
31	Modulation of Glycan Detection on Specific Glycoproteins by Lectin Multimerization. <i>Analytical Chemistry</i> , 2013, 85, 1689-1698.	6.5	21
32	Using Antibody Arrays to Measure Protein Abundance and Glycosylation: Considerations for Optimal Performance. <i>Current Protocols in Protein Science</i> , 2013, 73, 27.6.1-27.6.16.	2.8	8
33	Specific Glycoforms of MUC5AC and Endorepellin Accurately Distinguish Mucinous from Nonmucinous Pancreatic Cysts. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2724-2734.	3.8	33
34	Global Comparisons of Lectin-Glycan Interactions Using a Database of Analyzed Glycan Array Data. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1026-1035.	3.8	42
35	Prediction of glycan motifs using quantitative analysis of multi-lectin binding: motifs on MUC1 produced by cultured pancreatic cancer cells. <i>Proteomics - Clinical Applications</i> , 2013, 7, 632-641.	1.6	13
36	The Marker State Space (MSS) Method for Classifying Clinical Samples. <i>PLoS ONE</i> , 2013, 8, e65905.	2.5	6

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37	Determining Lectin Specificity from Glycan Array Data Using Motif Segregation and GlycoSearch Software. <i>Current Protocols in Chemical Biology</i> , 2013, 5, 157-169.	1.7	19
38	Chemically-blocked Antibody Microarray for Multiplexed High-throughput Profiling of Specific Protein Glycosylation in Complex Samples. <i>Journal of Visualized Experiments</i> , 2012, , e3791.	0.3	3
39	The fine specificity of mannose-binding and galactose-binding lectins revealed using outlier motif analysis of glycan array data. <i>Glycobiology</i> , 2012, 22, 160-169.	2.5	73
40	Using lectins in biomarker research: Addressing the limitations of sensitivity and availability. <i>Proteomics - Clinical Applications</i> , 2012, 6, 346-350.	1.6	31
41	Comparison of Surgical and Endoscopic Sample Collection for Pancreatic Cyst Fluid Biomarker Identification. <i>Journal of Proteome Research</i> , 2012, 11, 2904-2911.	3.7	8
42	Diverse monoclonal antibodies against the CA19-9 antigen show variation in binding specificity with consequences for clinical interpretation. <i>Proteomics</i> , 2012, 12, 2212-2220.	2.2	43
43	Enhanced Discrimination of Malignant from Benign Pancreatic Disease by Measuring the CA 19-9 Antigen on Specific Protein Carriers. <i>PLoS ONE</i> , 2011, 6, e29180.	2.5	61
44	Identification of blood protein carriers of the CA 19-9 antigen and characterization of prevalence in pancreatic diseases. <i>Proteomics</i> , 2011, 11, 3665-3674.	2.2	54
45	High-Throughput Studies of Protein Glycoforms Using Antibody-Lectin Sandwich Arrays. <i>Methods in Molecular Biology</i> , 2011, 785, 223-236.	0.9	22
46	Glycosylation Variants of Mucins and CEACAMs As Candidate Biomarkers for the Diagnosis of Pancreatic Cystic Neoplasms. <i>Annals of Surgery</i> , 2010, 251, 937-945.	4.2	83
47	Heat Treatment of Milk During Powder Manufacture Increases Casein Resistance to Simulated Infant Digestion. <i>Food Digestion</i> , 2010, 1, 28-39.	0.9	38
48	The development of an integrated platform to identify breast cancer glycoproteome changes in human serum. <i>Journal of Chromatography A</i> , 2010, 1217, 3307-3315.	3.7	40
49	Glycogene Expression Alterations Associated with Pancreatic Cancer Epithelial-Mesenchymal Transition in Complementary Model Systems. <i>PLoS ONE</i> , 2010, 5, e13002.	2.5	110
50	Antibody-Array Interaction Mapping, a New Method to Detect Protein Complexes Applied to the Discovery and Study of Serum Amyloid P Interactions with Kininogen in Human Plasma. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 446-456.	3.8	14
51	A motif-based analysis of glycan array data to determine the specificities of glycan-binding proteins. <i>Glycobiology</i> , 2010, 20, 369-380.	2.5	69
52	Antibody-lectin sandwich arrays for biomarker and glycobiology studies. <i>Expert Review of Proteomics</i> , 2010, 7, 9-11.	3.0	36
53	Applications of Antibody-Lectin Sandwich Arrays (ALSA) to Pancreatic Cancer Diagnostics and Drug Discovery. , 2010, , 243-269.		0
54	Comprehensive Proteome Analysis of an Apc Mouse Model Uncovers Proteins Associated with Intestinal Tumorigenesis. <i>Cancer Prevention Research</i> , 2009, 2, 224-233.	1.5	47

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55	The Prevalence and Nature of Glycan Alterations on Specific Proteins in Pancreatic Cancer Patients Revealed Using Antibody-Lectin Sandwich Arrays. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1697-1707.	3.8	114
56	Microarrays in Glycoproteomics Research. <i>Clinics in Laboratory Medicine</i> , 2009, 29, 15-29.	1.4	39
57	Analysis of Glycans on Serum Proteins Using Antibody Microarrays. <i>Methods in Molecular Biology</i> , 2009, 520, 39-58.	0.9	22
58	Mucin Glycosylation Is Altered by Pro-Inflammatory Signaling in Pancreatic-Cancer Cells. <i>Journal of Proteome Research</i> , 2009, 8, 1876-1886.	3.7	70
59	Low-volume, high-throughput sandwich immunoassays for profiling plasma proteins in mice: Identification of early-stage systemic inflammation in a mouse model of intestinal cancer. <i>Molecular Oncology</i> , 2007, 1, 216-225.	4.6	33
60	An experimental strategy for quantitative analysis of the humoral immune response to prostate cancer antigens using natural protein microarrays. <i>Proteomics - Clinical Applications</i> , 2007, 1, 494-505.	1.6	3
61	Antibody array profiling reveals serum TSP α 1 as a marker to distinguish benign from malignant prostatic disease. <i>Prostate</i> , 2007, 67, 255-267.	2.3	75
62	Multiplexed analysis of glycan variation on native proteins captured by antibody microarrays. <i>Nature Methods</i> , 2007, 4, 437-444.	19.0	225
63	The Human Plasma and Serum Proteome. , 2007, , 195-224.		7
64	Profiling Bladder Cancer Using Targeted Antibody Arrays. <i>American Journal of Pathology</i> , 2006, 168, 93-103.	3.8	162
65	Applications of antibody array platforms. <i>Current Opinion in Biotechnology</i> , 2006, 17, 415-421.	6.6	171
66	Mass Spectrometry-Based Study of the Plasma Proteome in a Mouse Intestinal Tumor Model. <i>Journal of Proteome Research</i> , 2006, 5, 1866-1878.	3.7	35
67	RCA-Enhanced Protein Detection Arrays. , 2006, 328, 15-30.		9
68	Methods of comparative proteomic profiling for disease diagnostics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 815, 275-284.	2.3	43
69	Distinctive serum protein profiles involving abundant proteins in lung cancer patients based upon antibody microarray analysis. <i>BMC Cancer</i> , 2005, 5, 110.	2.6	149
70	HUPO Plasma Proteome Project specimen collection and handling: Towards the standardization of parameters for plasma proteome samples. <i>Proteomics</i> , 2005, 5, 3262-3277.	2.2	515
71	Immunoassay and antibody microarray analysis of the HUPO Plasma Proteome Project reference specimens: Systematic variation between sample types and calibration of mass spectrometry data. <i>Proteomics</i> , 2005, 5, 3278-3291.	2.2	150
72	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35% collaborating laboratories and multiple analytical groups, generating a core dataset of 3020% proteins and a publicly available database. <i>Proteomics</i> , 2005, 5, 3226-3245.	2.2	766

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73	Antibody Arrays in Cancer Research. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 377-383.	3.8	209
74	Optimized Normalization for Antibody Microarrays and Application to Serum-Protein Profiling. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 773-784.	3.8	102
75	Multiplexed Protein Analysis Using Antibody Microarrays and Label-Based Detection. , 2005, 114, 183-194.		8
76	Antibody Microarray Profiling Reveals Individual and Combined Serum Proteins Associated with Pancreatic Cancer. <i>Cancer Research</i> , 2005, 65, 11193-11202.	0.9	141
77	Multiplexed Protein Analysis Using Spotted Antibody Microarrays. , 2004, 264, 033-046.		18
78	Development of Natural Protein Microarrays for Diagnosing Cancer Based on an Antibody Response to Tumor Antigens. <i>Journal of Proteome Research</i> , 2004, 3, 261-267.	3.7	127
79	Oltipraz, 3H-1,2-dithiole-3-thione, and sulforaphane induce overlapping and protective antioxidant responses in murine microglial cells. <i>Toxicology Letters</i> , 2004, 153, 343-355.	0.8	28
80	Two-color, rolling-circle amplification on antibody microarrays for sensitive, multiplexed serum-protein measurements. <i>Genome Biology</i> , 2004, 5, R28.	9.6	128
81	Molecular Profiling of Human Hepatocellular Carcinoma Defines Mutually Exclusive Interferon Regulation and Insulin-Like Growth Factor II Overexpression. <i>Cancer Research</i> , 2004, 64, 6058-6064.	0.9	119
82	Combined genetic and transcriptional profiling of acute myeloid leukemia with normal and complex karyotypes. <i>Haematologica</i> , 2004, 89, 1072-81.	3.5	22
83	Methods and applications of antibody microarrays in cancer research. <i>Proteomics</i> , 2003, 3, 2116-2122.	2.2	213
84	Microarrays of tumor cell derived proteins uncover a distinct pattern of prostate cancer serum immunoreactivity. <i>Proteomics</i> , 2003, 3, 2200-2207.	2.2	85
85	Antibody microarray profiling of human prostate cancer sera: Antibody screening and identification of potential biomarkers. <i>Proteomics</i> , 2003, 3, 56-63.	2.2	394
86	Autoantigen microarrays for multiplex characterization of autoantibody responses. <i>Nature Medicine</i> , 2002, 8, 295-301.	30.7	693
87	Protein microarrays for highly parallel detection and quantitation of specific proteins and antibodies in complex solutions. <i>Genome Biology</i> , 2001, 2, RESEARCH0004.	9.6	692
88	The Application of Protein Microarrays to Serum Diagnostics: Prostate Cancer as a Test Case. <i>Disease Markers</i> , 2001, 17, 225-234.	1.3	33
89	Advances in protein microarray technology for protein expression and interaction profiling. <i>Current Opinion in Drug Discovery & Development</i> , 2001, 4, 116-23.	1.9	15
90	Single-Molecule Detection of DNA Separations in Microfabricated Capillary Electrophoresis Chips Employing Focused Molecular Streams. <i>Analytical Chemistry</i> , 1999, 71, 5137-5145.	6.5	134

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91	Optimization of Single-Molecule Fluorescence Burst Detection of ds-DNA: Application to Capillary Electrophoresis Separations of 100–1000 Basepair Fragments. <i>Applied Spectroscopy</i> , 1997, 51, 1579-1584.	2.2	16
92	Single molecule fluorescence burst detection of DNA fragments separated by capillary electrophoresis. <i>Analytical Chemistry</i> , 1995, 67, 3253-3260.	6.5	95