Brian B Haab

List of Publications by Year
in descending order

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92	7,600	87888 38	51608 86
papers	citations	h-index	g-index

97	97	97	7598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35â€‰collaborating laboratories and multiple analytical groups, generating a core dataset of 3020â€‰proteins and a publiclyâ€available database. Proteomics, 2005, 5, 3226-3245.	2.2	766
2	Autoantigen microarrays for multiplex characterization of autoantibody responses. Nature Medicine, 2002, 8, 295-301.	30.7	693
3	Protein microarrays for highly parallel detection and quantitation of specific proteins and antibodies in complex solutions. Genome Biology, 2001, 2, RESEARCH0004.	9.6	692
4	HUPO Plasma Proteome Project specimen collection and handling: Towards the standardization of parameters for plasma proteome samples. Proteomics, 2005, 5, 3262-3277.	2.2	515
5	Antibody microarray profiling of human prostate cancer sera: Antibody screening and identification of potential biomarkers. Proteomics, 2003, 3, 56-63.	2.2	394
6	Multiplexed analysis of glycan variation on native proteins captured by antibody microarrays. Nature Methods, 2007, 4, 437-444.	19.0	225
7	Methods and applications of antibody microarrays in cancer research. Proteomics, 2003, 3, 2116-2122.	2.2	213
8	Antibody Arrays in Cancer Research. Molecular and Cellular Proteomics, 2005, 4, 377-383.	3.8	209
9	MALDI Imaging Mass Spectrometry Profiling of N-Glycans in Formalin-Fixed Paraffin Embedded Clinical Tissue Blocks and Tissue Microarrays. PLoS ONE, 2014, 9, e106255.	2.5	198
10	Applications of antibody array platforms. Current Opinion in Biotechnology, 2006, 17, 415-421.	6.6	171
11	Profiling Bladder Cancer Using Targeted Antibody Arrays. American Journal of Pathology, 2006, 168, 93-103.	3.8	162
12	Immunoassay and antibody microarray analysis of the HUPO Plasma Proteome Project reference specimens: Systematic variation between sample types and calibration of mass spectrometry data. Proteomics, 2005, 5, 3278-3291.	2.2	150
13	Distinctive serum protein profiles involving abundant proteins in lung cancer patients based upon antibody microarray analysis. BMC Cancer, 2005, 5, 110.	2.6	149
14	Antibody Microarray Profiling Reveals Individual and Combined Serum Proteins Associated with Pancreatic Cancer. Cancer Research, 2005, 65, 11193-11202.	0.9	141
15	Single-Molecule Detection of DNA Separations in Microfabricated Capillary Electrophoresis Chips Employing Focused Molecular Streams. Analytical Chemistry, 1999, 71, 5137-5145.	6.5	134
16	Two-color, rolling-circle amplification on antibody microarrays for sensitive, multiplexed serum-protein measurements. Genome Biology, 2004, 5, R28.	9.6	128
17	Development of Natural Protein Microarrays for Diagnosing Cancer Based on an Antibody Response to Tumor Antigens. Journal of Proteome Research, 2004, 3, 261-267.	3.7	127
18	Molecular Profiling of Human Hepatocellular Carcinoma Defines Mutually Exclusive Interferon Regulation and Insulin-Like Growth Factor II Overexpression. Cancer Research, 2004, 64, 6058-6064.	0.9	119

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19	The Prevalence and Nature of Glycan Alterations on Specific Proteins in Pancreatic Cancer Patients Revealed Using Antibody-Lectin Sandwich Arrays. Molecular and Cellular Proteomics, 2009, 8, 1697-1707.	3.8	114
20	Glycogene Expression Alterations Associated with Pancreatic Cancer Epithelial-Mesenchymal Transition in Complementary Model Systems. PLoS ONE, 2010, 5, e13002.	2.5	110
21	Optimized Normalization for Antibody Microarrays and Application to Serum-Protein Profiling. Molecular and Cellular Proteomics, 2005, 4, 773-784.	3.8	102
22	Single molecule fluorescence burst detection of DNA fragments separated by capillary electrophoresis. Analytical Chemistry, 1995, 67, 3253-3260.	6.5	95
23	Microarrays of tumor cell derived proteins uncover a distinct pattern of prostate cancer serum immunoreactivity. Proteomics, 2003, 3, 2200-2207.	2.2	85
24	Glycosylation Variants of Mucins and CEACAMs As Candidate Biomarkers for the Diagnosis of Pancreatic Cystic Neoplasms. Annals of Surgery, 2010, 251, 937-945.	4.2	83
25	Antibody array profiling reveals serum TSPâ€1 as a marker to distinguish benign from malignant prostatic disease. Prostate, 2007, 67, 255-267.	2.3	75
26	The fine specificity of mannose-binding and galactose-binding lectins revealed using outlier motif analysis of glycan array data. Glycobiology, 2012, 22, 160-169.	2.5	73
27	Mucin Glycosylation Is Altered by Pro-Inflammatory Signaling in Pancreatic-Cancer Cells. Journal of Proteome Research, 2009, 8, 1876-1886.	3.7	70
28	A motif-based analysis of glycan array data to determine the specificities ofÂglycan-binding proteins. Glycobiology, 2010, 20, 369-380.	2.5	69
29	Enhanced Discrimination of Malignant from Benign Pancreatic Disease by Measuring the CA 19-9 Antigen on Specific Protein Carriers. PLoS ONE, 2011, 6, e29180.	2.5	61
30	Imaging Mass Spectrometry and Lectin Analysis of N-Linked Glycans in Carbohydrate Antigenâ€“Defined Pancreatic Cancer Tissues. Molecular and Cellular Proteomics, 2021, 20, 100012.	3.8	57
31	Identification of bloodâ€protein carriers of the CA 19â€9 antigen and characterization of prevalence in pancreatic diseases. Proteomics, 2011, 11, 3665-3674.	2.2	54
32	Multiplexed autoantigen microarrays identify HLA as a key driver of anti-desmoglein and -non-desmoglein reactivities in pemphigus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1859-1864.	7.1	50
33	Comprehensive Proteome Analysis of an Apc Mouse Model Uncovers Proteins Associated with Intestinal Tumorigenesis. Cancer Prevention Research, 2009, 2, 224-233.	1.5	47
34	Methods of comparative proteomic profiling for disease diagnostics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 275-284.	2.3	43
35	Diverse monoclonal antibodies against the <scp>CA</scp> 19â€9 antigen show variation in binding specificity with consequences for clinical interpretation. Proteomics, 2012, 12, 2212-2220.	2.2	43
36	Global Comparisons of Lectinâ€“Glycan Interactions Using a Database of Analyzed Glycan Array Data. Molecular and Cellular Proteomics, 2013, 12, 1026-1035.	3.8	42

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37	The development of an integrated platform to identify breast cancer glycoproteome changes in human serum. Journal of Chromatography A, 2010, 1217, 3307-3315.	3.7	40
38	Microarrays in Glycoproteomics Research. Clinics in Laboratory Medicine, 2009, 29, 15-29.	1.4	39
39	Heat Treatment of Milk During Powder Manufacture Increases Casein Resistance to Simulated Infant Digestion. Food Digestion, 2010, 1, 28-39.	0.9	38
40	A Novel Mass Spectrometry Platform for Multiplexed N-Glycoprotein Biomarker Discovery from Patient Biofluids by Antibody Panel Based N-Glycan Imaging. Analytical Chemistry, 2019, 91, 8429-8435.	6.5	38
41	Antibodyâ€“lectin sandwich arrays for biomarker and glycobiology studies. Expert Review of Proteomics, 2010, 7, 9-11.	3.0	36
42	Mass Spectrometry-Based Study of the Plasma Proteome in a Mouse Intestinal Tumor Model. Journal of Proteome Research, 2006, 5, 1866-1878.	3.7	35
43	Glycan Motif Profiling Reveals Plasma Sialyl-Lewis X Elevations in Pancreatic Cancers That Are Negative for Sialyl-Lewis A *. Molecular and Cellular Proteomics, 2015, 14, 1323-1333.	3.8	34
44	The Application of Protein Microarrays to Serum Diagnostics: Prostate Cancer as a Test Case. Disease Markers, 2001, 17, 225-234.	1.3	33
45	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. Molecular Oncology, 2007, 1, 216-225.	4.6	33
46	Specific Glycoforms of MUC5AC and Endorepellin Accurately Distinguish Mucinous from Nonmucinous Pancreatic Cysts. Molecular and Cellular Proteomics, 2013, 12, 2724-2734.	3.8	33
47	Glycans Related to the CA19-9 Antigen Are Increased in Distinct Subsets of Pancreatic Cancers and Improve Diagnostic Accuracy Over CA19-9. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 210-221.e15.	4.5	33
48	The sTRA Plasma Biomarker: Blinded Validation of Improved Accuracy Over CA19-9 in Pancreatic Cancer Diagnosis. Clinical Cancer Research, 2019, 25, 2745-2754.	7.0	32
49	Using lectins in biomarker research: Addressing the limitations of sensitivity and availability. Proteomics - Clinical Applications, 2012, 6, 346-350.	1.6	31
50	Definitive Characterization of CA 19-9 in Resectable Pancreatic Cancer Using a Reference Set of Serum and Plasma Specimens. PLoS ONE, 2015, 10, e0139049.	2.5	31
51	The Detection and Discovery of Glycan Motifs in Biological Samples Using Lectins and Antibodies: New Methods and Opportunities. Advances in Cancer Research, 2015, 126, 167-202.	5.0	30
52	Advances in Tools to Determine the Glycan-Binding Specificities of Lectins and Antibodies. Molecular and Cellular Proteomics, 2020, 19, 224-232.	3.8	30
53	Oltipraz, 3H-1,2-dithiole-3-thione, and sulforaphane induce overlapping and protective antioxidant responses in murine microglial cells. Toxicology Letters, 2004, 153, 343-355.	0.8	28
54	Mining High-Complexity Motifs in Glycans: A New Language To Uncover the Fine Specificities of Lectins and Glycosidases. Analytical Chemistry, 2017, 89, 12342-12350.	6.5	28

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55	Characterization of Glycoproteins in Pancreatic Cyst Fluid Using a High-Performance Multiple Lectin Affinity Chromatography Platform. Journal of Proteome Research, 2014, 13, 289-299.	3.7	25
56	Upregulation of Glycans Containing 3â€² Fucose in a Subset of Pancreatic Cancers Uncovered Using Fusion-Tagged Lectins. Journal of Proteome Research, 2015, 14, 2594-2605.	3.7	24
57	A Gastric Glycoform of MUC5AC Is a Biomarker of Mucinous Cysts of the Pancreas. PLoS ONE, 2016, 11, e0167070.	2.5	24
58	Analysis of Glycans on Serum Proteins Using Antibody Microarrays. Methods in Molecular Biology, 2009, 520, 39-58.	0.9	22
59	The developing schistosome worms elicit distinct immune responses in different tissue regions. Immunology and Cell Biology, 2013, 91, 477-485.	2.3	22
60	High-Throughput Studies of Protein Glycoforms Using Antibodyâ€“Lectin Sandwich Arrays. Methods in Molecular Biology, 2011, 785, 223-236.	0.9	22
61	Combined genetic and transcriptional profiling of acute myeloid leukemia with normal and complex karyotypes. Haematologica, 2004, 89, 1072-81.	3.5	22
62	Modulation of Glycan Detection on Specific Glycoproteins by Lectin Multimerization. Analytical Chemistry, 2013, 85, 1689-1698.	6.5	21
63	Segment and Fit Thresholding: A New Method for Image Analysis Applied to Microarray and Immunofluorescence Data. Analytical Chemistry, 2015, 87, 9715-9721.	6.5	20
64	Determining Lectin Specificity from Glycan Array Data Using Motif Segregation and GlycoSearch Software. Current Protocols in Chemical Biology, 2013, 5, 157-169.	1.7	19
65	Multiplexed Protein Analysis Using Spotted Antibody Microarrays. , 2004, 264, 033-046.		18
66	The CA19-9 and Sialyl-TRA Antigens Define Separate Subpopulations of Pancreatic Cancer Cells. Scientific Reports, 2017, 7, 4020.	3.3	17
67	Optimization of Single-Molecule Fluorescence Burst Detection of ds-DNA: Application to Capillary Electrophoresis Separations of 100â€“1000 Basepair Fragments. Applied Spectroscopy, 1997, 51, 1579-1584.	2.2	16
68	Deciphering Protein Glycosylation by Computational Integration of On-chip Profiling, Glycan-array Data, and Mass Spectrometry. Molecular and Cellular Proteomics, 2019, 18, 28-40.	3.8	15
69	Detection of Chemotherapy-resistant Pancreatic Cancer Using a Glycan Biomarker, sTRA. Clinical Cancer Research, 2021, 27, 226-236.	7.0	15
70	Advances in protein microarray technology for protein expression and interaction profiling. Current Opinion in Drug Discovery & Development, 2001, 4, 116-23.	1.9	15
71	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. Molecular and Cellular Proteomics, 2010, 9, 446-456.	3.8	14
72	Prediction of glycan motifs using quantitative analysis of multiâ€lectin binding: <scp>M</scp>otifs on <scp>MUC</scp>1 produced by cultured pancreatic cancer cells. Proteomics - Clinical Applications, 2013, 7, 632-641.	1.6	13

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73	Characterizing Protein Glycosylation through On-Chip Glycan Modification and Probing. Analytical Chemistry, 2016, 88, 11584-11592.	6.5	13
74	Combined Analysis of Multiple Glycan-Array Datasets: New Explorations of Proteinâ€“Glycan Interactions. Analytical Chemistry, 2021, 93, 10925-10933.	6.5	10
75	RCA-Enhanced Protein Detection Arrays. , 2006, 328, 15-30.		9
76	Biomarkers and Strategy to Detect Preinvasive and Early Pancreatic Cancer: State of the Field and the Impact of the EDRN. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 2513-2523.	2.5	9
77	Multiplexed Protein Analysis Using Antibody Microarrays and Label-Based Detection. , 2005, 114, 183-194.		8
78	Comparison of Surgical and Endoscopic Sample Collection for Pancreatic Cyst Fluid Biomarker Identification. Journal of Proteome Research, 2012, 11, 2904-2911.	3.7	8
79	Using Antibody Arrays to Measure Protein Abundance and Glycosylation: Considerations for Optimal Performance. Current Protocols in Protein Science, 2013, 73, 27.6.1-27.6.16.	2.8	8
80	Mesenchymalâ€like pancreatic cancer cells harbor specific genomic alterations more frequently than their epithelialâ€like counterparts. Molecular Oncology, 2014, 8, 1253-1265.	4.6	8
81	Automated Identification and Quantification of Signals in Multichannel Immunofluorescence Images. American Journal of Pathology, 2019, 189, 1402-1412.	3.8	8
82	Exploring the Specificities of Glycan-Binding Proteins Using Glycan Array Data and the GlycoSearch Software. Methods in Molecular Biology, 2015, 1273, 203-214.	0.9	7
83	The Human Plasma and Serum Proteome. , 2007, , 195-224.		7
84	The Marker State Space (MSS) Method for Classifying Clinical Samples. PLoS ONE, 2013, 8, e65905.	2.5	6
85	Detection of distinct glycosylation patterns on human Î³-glutamyl transpeptidase 1 using antibody-lectin sandwich array (ALSA) technology. BMC Biotechnology, 2014, 14, 101.	3.3	6
86	Automated Identification of Lectin Fine Specificities from Glycan-Array Data. ACS Symposium Series, 2020, , 67-82.	0.5	4
87	CarboGrove: a resource of glycan-binding specificities through analyzed glycan-array datasets from all platforms. Glycobiology, 2022, 32, 679-690.	2.5	4
88	An experimental strategy for quantitative analysis of the humoral immune response to prostate cancer antigens using natural protein microarrays. Proteomics - Clinical Applications, 2007, 1, 494-505.	1.6	3
89	Chemically-blocked Antibody Microarray for Multiplexed High-throughput Profiling of Specific Protein Glycosylation in Complex Samples. Journal of Visualized Experiments, 2012, , e3791.	0.3	3
90	Mining and Using Glycan Array Data with the GlycoSearch Analysis Program and GlycanBinder Database. , 2015, , 61-68.		2

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91	Applications of Antibody-Lectin Sandwich Arrays (ALSA) to Pancreatic Cancer Diagnostics and Drug Discovery. , 2010, , 243-269.		0
92	Mining and Using Glycan Array Data with the GlycoSearch Analysis Program and GlycanBinder Database. , 2014, , 1-7.		0