Jochen M Schwenk

List of Publications by Year
in descending order

144 papers	23,890 citations	81900 39 h-index	12597 132 g-index
165 all docs	165 docs citations	165 times ranked	45952 citing authors

#	Article	IF	Citations
1	Tissue-based map of the human proteome. Science, 2015, 347, 1260419.	12.6	10,802
2	Analysis of the Human Tissue-specific Expression by Genome-wide Integration of Transcriptomics and Antibody-based Proteomics. Molecular and Cellular Proteomics, 2014, 13, 397-406.	3.8	2,819
3	A pathology atlas of the human cancer transcriptome. Science, 2017, 357, .	12.6	2,570
4	A subcellular map of the human proteome. Science, 2017, 356, .	12.6	2,079
5	A roadmap to generate renewable protein binders to the human proteome. Nature Methods, 2011, 8, 551-558.	19.0	277
6	The human secretome. Science Signaling, 2019, 12, .	3.6	259
7	A reference map of potential determinants for the human serum metabolome. Nature, 2020, 588, 135-140.	27.8	230
8	The Human Protein Atlas as a proteomic resource for biomarker discovery. Journal of Internal Medicine, 2011, 270, 428-446.	6.0	229
9	Protein microarrays: Promising tools for proteomic research. Proteomics, 2003, 3, 2155-2166.	2.2	228
10	A Designed Ankyrin Repeat Protein Evolved to Picomolar Affinity to Her2. Journal of Molecular Biology, 2007, 369, 1015-1028.	4.2	211
11	Antibodies for profiling the human proteomeâ€"The <scp>H</scp>uman <scp>P</scp>rotein <scp>A</scp>tlas as a resource for cancer research. Proteomics, 2012, 12, 2067-2077.	2.2	211
12	Genetics meets proteomics: perspectives for large population-based studies. Nature Reviews Genetics, 2021, 22, 19-37.	16.3	196
13	The Human Plasma Proteome Draft of 2017: Building on the Human Plasma PeptideAtlas from Mass Spectrometry and Complementary Assays. Journal of Proteome Research, 2017, 16, 4299-4310.	3.7	185
14	A high-stringency blueprint of the human proteome. Nature Communications, 2020, 11, 5301.	12.8	152
15	Mass Spectrometry-Based Plasma Proteomics: Considerations from Sample Collection to Achieving Translational Data. Journal of Proteome Research, 2019, 18, 4085-4097.	3.7	128
16	Affinity proteomics within rare diseases: a <scp>BIO</scp>â€<scp>NMD</scp> study for blood biomarkers of muscular dystrophies. EMBO Molecular Medicine, 2014, 6, 918-936.	6.9	105
17	Antibody Suspension Bead Arrays within Serum Proteomics. Journal of Proteome Research, 2008, 7, 3168-3179.	3.7	104
18	Anoctamin 2 identified as an autoimmune target in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2188-2193.	7.1	86

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19	Advances and Utility of the Human Plasma Proteome. Journal of Proteome Research, 2021, 20, 5241-5263.	3.7	86
20	Protein microarrays: catching the proteome. Mechanisms of Ageing and Development, 2005, 126, 161-170.	4.6	85
21	Protein microarrays for antibody profiling: Specificity and affinity determination on a chip. Proteomics, 2005, 5, 2402-2411.	2.2	79
22	Current applications of antibody microarrays. Clinical Proteomics, 2018, 15, 7.	2.1	75
23	Determination of Binding Specificities in Highly Multiplexed Bead-based Assays for Antibody Proteomics. Molecular and Cellular Proteomics, 2007, 6, 125-132.	3.8	74
24	Autoantibody Profiling in Multiple Sclerosis Using Arrays of Human Protein Fragments. Molecular and Cellular Proteomics, 2013, 12, 2657-2672.	3.8	74
25	Integration of molecular profiles in a longitudinal wellness profiling cohort. Nature Communications, 2020, 11, 4487.	12.8	66
26	CSF profiling of the human brain enriched proteome reveals associations of neuromodulin and neurogranin to Alzheimer's disease. Proteomics - Clinical Applications, 2016, 10, 1242-1253.	1.6	64
27	Proteomic Profiling Reveals Autoimmune Targets in Sarcoidosis. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 574-583.	5.6	61
28	Toward Next Generation Plasma Profiling via Heat-induced Epitope Retrieval and Array-based Assays. Molecular and Cellular Proteomics, 2010, 9, 2497-2507.	3.8	60
29	Progress on Identifying and Characterizing the Human Proteome: 2018 Metrics from the HUPO Human Proteome Project. Journal of Proteome Research, 2018, 17, 4031-4041.	3.7	59
30	Whole-Proteome Peptide Microarrays for Profiling Autoantibody Repertoires within Multiple Sclerosis and Narcolepsy. Journal of Proteome Research, 2017, 16, 1300-1314.	3.7	57
31	Highly Multiplexed Antibody Suspension Bead Arrays for Plasma Protein Profiling. Methods in Molecular Biology, 2013, 1023, 137-145.	0.9	57
32	In-depth human plasma proteome analysis captures tissue proteins and transfer of protein variants across the placenta. ELife, 2019, 8, .	6.0	56
33	Multiplexed analysis of the secretin-like GPCR-RAMP interactome. Science Advances, 2019, 5, eaaw2778.	10.3	54
34	U-CAN: a prospective longitudinal collection of biomaterials and clinical information from adult cancer patients in Sweden. Acta OncolÃ³gica, 2018, 57, 187-194.	1.8	52
35	Systematic antibody and antigen-based proteomic profiling with microarrays. Expert Review of Molecular Diagnostics, 2011, 11, 219-234.	3.1	51
36	Exploration of high-density protein microarrays for antibody validation and autoimmunity profiling. New Biotechnology, 2016, 33, 582-592.	4.4	50

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37	Contribution of Antibody-based Protein Profiling to the Human Chromosome-centric Proteome Project (C-HPP). Journal of Proteome Research, 2013, 12, 2439-2448.	3.7	48
38	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. PLoS Medicine, 2020, 17, e1003149.	8.4	47
39	Plasma profiling reveals three proteins associated to amyotrophic lateral sclerosis. Annals of Clinical and Translational Neurology, 2014, 1, 544-553.	3.7	42
40	Affinity Proteomic Profiling of Plasma, Cerebrospinal Fluid, and Brain Tissue within Multiple Sclerosis. Journal of Proteome Research, 2014, 13, 4607-4619.	3.7	42
41	Novel Multiomics Profiling of Human Carotid Atherosclerotic Plaques and Plasma Reveals Biliverdin Reductase B asÂa Marker of Intraplaque Hemorrhage. JACC Basic To Translational Science, 2018, 3, 464-480.	4.1	42
42	Analysis of Autoantibody Profiles in Osteoarthritis Using Comprehensive Protein Array Concepts. Journal of Proteome Research, 2014, 13, 5218-5229.	3.7	41
43	Antigen arrays for profiling autoantibody repertoires. Bioanalysis, 2016, 8, 1105-1126.	1.5	41
44	Progress on Identifying and Characterizing the Human Proteome: 2019 Metrics from the HUPO Human Proteome Project. Journal of Proteome Research, 2019, 18, 4098-4107.	3.7	41
45	Affinity Proteomics Reveals Elevated Muscle Proteins in Plasma of Children with Cerebral Malaria. PLoS Pathogens, 2014, 10, e1004038.	4.7	40
46	PDGFB, a new candidate plasma biomarker for venous thromboembolism: results from the VEREMA affinity proteomics study. Blood, 2016, 128, e59-e66.	1.4	39
47	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. Cell Reports Medicine, 2022, 3, 100477.	6.5	39
48	Multidimensional Normalization to Minimize Plate Effects of Suspension Bead Array Data. Journal of Proteome Research, 2016, 15, 3473-3480.	3.7	38
49	Immunocapture strategies in translational proteomics. Expert Review of Proteomics, 2016, 13, 83-98.	3.0	37
50	Antibodyâ€based profiling of cerebrospinal fluid within multiple sclerosis. Proteomics, 2013, 13, 2256-2267.	2.2	35
51	The Human Pancreas Proteome Defined by Transcriptomics and Antibody-Based Profiling. PLoS ONE, 2014, 9, e115421.	2.5	35
52	Comparative protein profiling of serum and plasma using an antibody suspension bead array approach. Proteomics, 2010, 10, 532-540.	2.2	34
53	Multianalyte serology in home-sampled blood enables an unbiased assessment of the immune response against SARS-CoV-2. Nature Communications, 2021, 12, 3695.	12.8	32
54	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. Nature Communications, 2021, 12, 6486.	12.8	31

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55	Plasma Profiling Reveals Human Fibulin-1 as Candidate Marker for Renal Impairment. Journal of Proteome Research, 2011, 10, 4925-4934.	3.7	30
56	Development of parallel reaction monitoring assays for cerebrospinal fluid proteins associated with Alzheimer's disease. Clinica Chimica Acta, 2019, 494, 79-93.	1.1	30
57	Development of a coordinated allo T cell and auto B cell response against autosomal PTK2B after allogeneic hematopoietic stem cell transplantation. Haematologica, 2014, 99, 365-369.	3.5	29
58	Discovery of circulating proteins associated to knee radiographic osteoarthritis. Scientific Reports, 2017, 7, 137.	3.3	29
59	Systematic assessment of antibody selectivity in plasma based on a resource of enrichment profiles. Scientific Reports, 2019, 9, 8324.	3.3	29
60	A lateral flow protein microarray for rapid determination of contagious bovine pleuropneumonia status in bovine serum. Journal of Microbiological Methods, 2010, 82, 11-18.	1.6	28
61	Cell Microarrays: An Emerging Technology for the Characterization of Antibodies. BioTechniques, 2002, 33, S54-S61.	1.8	28
62	Circulating Carnosine Dipeptidase 1 Associates with Weight Loss and Poor Prognosis in Gastrointestinal Cancer. PLoS ONE, 2015, 10, e0123566.	2.5	25
63	Autoantibody targets in vaccine-associated narcolepsy. Autoimmunity, 2016, 49, 421-433.	2.6	25
64	Elevated levels of circulating CDH5 and FABP1 in association with human drugâ€induced liver injury. Liver International, 2017, 37, 132-140.	3.9	25
65	Profiling post-centrifugation delay of serum and plasma with antibody bead arrays. Journal of Proteomics, 2013, 95, 46-54.	2.4	24
66	Development of a magnetic bead microarray for simultaneous and simple detection of four pestiviruses. Journal of Virological Methods, 2009, 155, 1-9.	2.1	23
67	Discovery of epitopes for targeting the human epidermal growth factor receptor 2 (<i>HER2</i>) with antibodies. Molecular Oncology, 2009, 3, 238-247.	4.6	23
68	Analysis of the Human Prostate-Specific Proteome Defined by Transcriptomics and Antibody-Based Profiling Identifies TMEM79 and ACOXL as Two Putative, Diagnostic Markers in Prostate Cancer. PLoS ONE, 2015, 10, e0133449.	2.5	23
69	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	3.7	23
70	Whole-genome sequence association analysis of blood proteins in a longitudinal wellness cohort. Genome Medicine, 2020, 12, 53.	8.2	23
71	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. Diabetologia, 2019, 62, 1601-1615.	6.3	22
72	Combined metabolic activators therapy ameliorates liver fat in nonalcoholic fatty liver disease patients. Molecular Systems Biology, 2021, 17, e10459.	7.2	22

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73	Validation of serum protein profiles by a dual antibody array approach. Journal of Proteomics, 2009, 73, 252-266.	2.4	21
74	Identification of a Novel Autoimmune Peptide Epitope of Prostein in Prostate Cancer. Journal of Proteome Research, 2017, 16, 204-216.	3.7	21
75	Genetic Landscape of the ACE2 Coronavirus Receptor. Circulation, 2022, 145, 1398-1411.	1.6	20
76	Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. Proteome Science, 2011, 9, 73.	1.7	19
77	Thiolâ€"eneâ€"epoxy thermoset for low-temperature bonding to biofunctionalized microarray surfaces. Lab on A Chip, 2017, 17, 3672-3681.	6.0	19
78	Screening a Resource of Recombinant Protein Fragments for Targeted Proteomics. Journal of Proteome Research, 2019, 18, 2706-2718.	3.7	19
79	Enhanced Validation of Antibodies Enables the Discovery of Missing Proteins. Journal of Proteome Research, 2020, 19, 4766-4781.	3.7	19
80	Validation of affinity reagents using antigen microarrays. New Biotechnology, 2012, 29, 555-563.	4.4	18
81	Magnetic bead assisted labeling of antibodies at nanogram scale. Proteomics, 2014, 14, 14-18.	2.2	18
82	Facets of individual-specific health signatures determined from longitudinal plasma proteome profiling. EBioMedicine, 2020, 57, 102854.	6.1	18
83	Molecular Profiling for Predictors of Radiosensitivity in Patients with Breast or Head-and-Neck Cancer. Cancers, 2020, 12, 753.	3.7	18
84	Recombinant Surface Proteomics as a Tool to Analyze Humoral Immune Responses in Bovines Infected by Mycoplasma mycoides Subsp. mycoides Small Colony Type. Molecular and Cellular Proteomics, 2009, 8, 2544-2554.	3.8	17
85	Generation of monospecific antibodies based on affinity capture of polyclonal antibodies. Protein Science, 2011, 20, 1824-1835.	7.6	17
86	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. Diabetes, 2021, 70, 2092-2106.	0.6	17
87	Untargeted screening for novel autoantibodies with prognostic value in first-episode psychosis. Translational Psychiatry, 2017, 7, e1177-e1177.	4.8	17
88	Detection of autoantibodies against cancer-testis antigens in non-small cell lung cancer. Lung Cancer, 2018, 125, 157-163.	2.0	16
89	Newborn Screening for Presymptomatic Diagnosis of Complement and Phagocyte Deficiencies. Frontiers in Immunology, 2020, 11, 455.	4.8	16
90	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. Diabetes Care, 2021, 44, 511-518.	8.6	16

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91	Selectivity analysis of single binder assays used in plasma protein profiling. Proteomics, 2013, 13, 3406-3410.	2.2	15
92	Targeted Analysis of Serum Proteins Encoded at Known Inflammatory Bowel Disease Risk Loci. Inflammatory Bowel Diseases, 2019, 25, 306-316.	1.9	15
93	Longitudinal plasma protein profiling of newly diagnosed type 2 diabetes. EBioMedicine, 2021, 63, 103147.	6.1	15
94	Characterization of PrEST-based antibodies towards human Cytokeratin-17. Journal of Immunological Methods, 2009, 342, 20-32.	1.4	14
95	Identification of Candidate Serum Proteins for Classifying Well-Differentiated Small Intestinal Neuroendocrine Tumors. PLoS ONE, 2013, 8, e81712.	2.5	14
96	Multiplex Screening of Surface Proteins from <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> Small Colony for an Antigen Cocktail Enzyme-Linked Immunosorbent Assay. Vaccine Journal, 2009, 16, 1665-1674.	3.1	13
97	Antibody Suspension Bead Arrays. Methods in Molecular Biology, 2011, 723, 29-36.	0.9	13
98	Bead Arrays for Antibody and Complement Profiling Reveal Joint Contribution of Antibody Isotypes to C3 Deposition. PLoS ONE, 2014, 9, e96403.	2.5	13
99	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. Diabetologia, 2020, 63, 744-756.	6.3	12
100	Association of Short-term Air Pollution Exposure With SARS-CoV-2 Infection Among Young Adults in Sweden. JAMA Network Open, 2022, 5, e228109.	5.9	12
101	Affibody moleculeâ€mediated depletion of HSA and IgG using different buffer compositions: a 15 min protocol for parallel processing of 1â€“48 samples. Biotechnology and Applied Biochemistry, 2010, 56, 49-57.	3.1	11
102	Heat differentiated complement factor profiling. Journal of Proteomics, 2015, 126, 155-162.	2.4	11
103	Analysis of plasma from prostate cancer patients links decreased carnosine dipeptidase 1 levels to lymph node metastasis. Translational Proteomics, 2014, 2, 14-24.	1.2	10
104	Affinity proteomics discovers decreased levels of AMFR in plasma from Osteoporosis patients. Proteomics - Clinical Applications, 2016, 10, 681-690.	1.6	10
105	Systematic Development of Sandwich Immunoassays for the Plasma Secretome. Proteomics, 2019, 19, e1900008.	2.2	10
106	Plasma Proteome Fingerprints Reveal Distinctiveness and Clinical Outcome of SARS-CoV-2 Infection. Viruses, 2021, 13, 2456.	3.3	10
107	Elevated levels of FN1 and CCL2 in bronchoalveolar lavage fluid from sarcoidosis patients. Respiratory Research, 2016, 17, 69.	3.6	9
108	Profiles of histidine-rich glycoprotein associate with age and risk of all-cause mortality. Life Science Alliance, 2020, 3, e202000817.	2.8	9

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109	Classification of protein profiles from antibody microarrays using heat and detergent treatment. New Biotechnology, 2012, 29, 564-570.	4.4	8
110	Affinity Proteomics Exploration of Melanoma Identifies Proteins in Serum with Associations to T-Stage and Recurrence. Translational Oncology, 2017, 10, 385-395.	3.7	8
111	High-Density Serum/Plasma Reverse Phase Protein Arrays. Methods in Molecular Biology, 2017, 1619, 229-238.	0.9	8
112	Affinity proteomic profiling of plasma for proteins associated to area-based mammographic breast density. Breast Cancer Research, 2018, 20, 14.	5.0	8
113	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. Genome Medicine, 2020, 12, 109.	8.2	8
114	Identification of Endothelial Proteins in Plasma Associated With Cardiovascular Risk Factors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2990-3004.	2.4	8
115	Parallel barcoding of antibodies for DNA-assisted proteomics. Proteomics, 2014, 14, 2432-2436.	2.2	7
116	Multiplexed protein profiling by sequential affinity capture. Proteomics, 2016, 16, 1251-1256.	2.2	7
117	Neuroproteomic profiling of human body fluids. Proteomics - Clinical Applications, 2016, 10, 485-502.	1.6	7
118	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. PLoS ONE, 2020, 15, e0242360.	2.5	7
119	Circulating proteins associated with allergy development in infantsâ€"an exploratory analysis. Clinical Proteomics, 2021, 18, 11.	2.1	6
120	Magnetic bead-based detection of autoimmune responses using protein microarrays. New Biotechnology, 2009, 26, 269-276.	4.4	5
121	A Preliminary Report: Radical Surgery and Stem Cell Transplantation for the Treatment of Patients With Pancreatic Cancer. Journal of Immunotherapy, 2017, 40, 132-139.	2.4	5
122	Assessment of Antibody Specificity Using Suspension Bead Arrays. Methods in Molecular Biology, 2011, 785, 183-189.	0.9	4
123	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. EBioMedicine, 2020, 58, 102932.	6.1	3
124	Neuroproteomic Profiling of Cerebrospinal Fluid (CSF) by Multiplexed Affinity Arrays. Methods in Molecular Biology, 2017, 1598, 247-254.	0.9	2
125	High-Density Antigen Microarrays for the Assessment of Antibody Selectivity and Off-Target Binding. Methods in Molecular Biology, 2018, 1785, 231-238.	0.9	2
126	Multiplexed Antigen Bead Arrays for the Assessment of Antibody Selectivity and Epitope Mapping. Methods in Molecular Biology, 2018, 1785, 239-248.	0.9	2

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127	Bead-Based Assays for Validating Proteomic Profiles in Body Fluids. Methods in Molecular Biology, 2021, 2344, 65-78.	0.9	2
128	A Miniaturized Ligand Binding Assay for EGFR. International Journal of Proteomics, 2012, 2012, 1-5.	2.0	1
129	Affinity Assays for Cardiovascular and Atherosclerotic Disease Biomarkers. Methods in Molecular Biology, 2021, 2344, 163-179.	0.9	1
130	Advances in plasma proteomics: Call for papers for an upcoming special issue. Proteomics - Clinical Applications, 2021, 15, e2100084.	1.6	1
131	Circulating proteins reveal prior use of menopausal hormonal therapy and increased risk of breast cancer. Translational Oncology, 2022, 17, 101339.	3.7	1
132	Molecular profiling of human kidney injury using antibody suspension bead arrays. Toxicology Letters, 2009, 189, S94.	0.8	0
133	Next-generation plasma profiling: affinity array potential. Bioanalysis, 2011, 3, 1543-1546.	1.5	0
134	Proteomic profiling of the autoimmunity repertoire in multiple sclerosis. New Biotechnology, 2012, 29, S20.	4.4	0
135	05.01â€...Protein profiling in plasma reveals molecular subgroups in systemic lupus erythematosus. , 2017, , .		0
136	Bead-Based and Multiplexed Immunoassays for Protein Profiling via Sequential Affinity Capture. Methods in Molecular Biology, 2017, 1619, 45-54.	0.9	0
137	High Throughput Screening for Antibody Responses Against H-Y Antigens and Their X-Variants in Allogeneic Hematopoeietic Stem Cell Transplantation,. Blood, 2011, 118, 4097-4097.	1.4	0
138	189-OR: Plasma Proteome Profiling of Prediabetes and Diabetes Progression: An IMI Direct Study. Diabetes, 2019, 68, .	0.6	0
139	1901-P: Individual and Longitudinal Effects of Gastric Bypass Surgery on the Circulating Proteome. Diabetes, 2020, 69, 1901-P.	0.6	0
140	Title is missing!. , 2020, 17, e1003149.		0
141	Title is missing!. , 2020, 17, e1003149.		0
142	Title is missing!. , 2020, 17, e1003149.		0
143	Title is missing!. , 2020, 17, e1003149.		0
144	Title is missing!. , 2020, 17, e1003149.		0