

Jochen M Schwenk

List of Publications by Year in descending order

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Version: 2024-02-01

144
papers

23,890
citations

81743

39
h-index

12558

132
g-index

165
all docs

165
docs citations

165
times ranked

45952
citing authors

#	ARTICLE	IF	CITATIONS
1	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. <i>Cell Reports Medicine</i> , 2022, 3, 100477.	3.3	39
2	Circulating proteins reveal prior use of menopausal hormonal therapy and increased risk of breast cancer. <i>Translational Oncology</i> , 2022, 17, 101339.	1.7	1
3	Genetic Landscape of the ACE2 Coronavirus Receptor. <i>Circulation</i> , 2022, 145, 1398-1411.	1.6	20
4	Association of Short-term Air Pollution Exposure With SARS-CoV-2 Infection Among Young Adults in Sweden. <i>JAMA Network Open</i> , 2022, 5, e228109.	2.8	12
5	Longitudinal plasma protein profiling of newly diagnosed type 2 diabetes. <i>EBioMedicine</i> , 2021, 63, 103147.	2.7	15
6	Genetics meets proteomics: perspectives for large population-based studies. <i>Nature Reviews Genetics</i> , 2021, 22, 19-37.	7.7	196
7	Bead-Based Assays for Validating Proteomic Profiles in Body Fluids. <i>Methods in Molecular Biology</i> , 2021, 2344, 65-78.	0.4	2
8	Circulating proteins associated with allergy development in infants—an exploratory analysis. <i>Clinical Proteomics</i> , 2021, 18, 11.	1.1	6
9	Multianalyte serology in home-sampled blood enables an unbiased assessment of the immune response against SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 3695.	5.8	32
10	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. <i>Diabetes</i> , 2021, 70, 2092-2106.	0.3	17
11	Affinity Assays for Cardiovascular and Atherosclerotic Disease Biomarkers. <i>Methods in Molecular Biology</i> , 2021, 2344, 163-179.	0.4	1
12	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021, 44, 511-518.	4.3	16
13	Combined metabolic activators therapy ameliorates liver fat in nonalcoholic fatty liver disease patients. <i>Molecular Systems Biology</i> , 2021, 17, e10459.	3.2	22
14	Advances and Utility of the Human Plasma Proteome. <i>Journal of Proteome Research</i> , 2021, 20, 5241-5263.	1.8	86
15	Identification of Endothelial Proteins in Plasma Associated With Cardiovascular Risk Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2990-3004.	1.1	8
16	Advances in plasma proteomics: Call for papers for an upcoming special issue. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2100084.	0.8	1
17	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. <i>Nature Communications</i> , 2021, 12, 6486.	5.8	31
18	Plasma Proteome Fingerprints Reveal Distinctiveness and Clinical Outcome of SARS-CoV-2 Infection. <i>Viruses</i> , 2021, 13, 2456.	1.5	10

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19	A high-stringency blueprint of the human proteome. <i>Nature Communications</i> , 2020, 11, 5301.	5.8	152
20	Facets of individual-specific health signatures determined from longitudinal plasma proteome profiling. <i>EBioMedicine</i> , 2020, 57, 102854.	2.7	18
21	Enhanced Validation of Antibodies Enables the Discovery of Missing Proteins. <i>Journal of Proteome Research</i> , 2020, 19, 4766-4781.	1.8	19
22	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , 2020, 12, 109.	3.6	8
23	A reference map of potential determinants for the human serum metabolome. <i>Nature</i> , 2020, 588, 135-140.	13.7	230
24	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , 2020, 58, 102932.	2.7	3
25	Integration of molecular profiles in a longitudinal wellness profiling cohort. <i>Nature Communications</i> , 2020, 11, 4487.	5.8	66
26	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020, 17, e1003149.	3.9	47
27	Whole-genome sequence association analysis of blood proteins in a longitudinal wellness cohort. <i>Genome Medicine</i> , 2020, 12, 53.	3.6	23
28	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , 2020, 63, 744-756.	2.9	12
29	Newborn Screening for Presymptomatic Diagnosis of Complement and Phagocyte Deficiencies. <i>Frontiers in Immunology</i> , 2020, 11, 455.	2.2	16
30	Molecular Profiling for Predictors of Radiosensitivity in Patients with Breast or Head-and-Neck Cancer. <i>Cancers</i> , 2020, 12, 753.	1.7	18
31	Profiles of histidine-rich glycoprotein associate with age and risk of all-cause mortality. <i>Life Science Alliance</i> , 2020, 3, e202000817.	1.3	9
32	1901-P: Individual and Longitudinal Effects of Gastric Bypass Surgery on the Circulating Proteome. <i>Diabetes</i> , 2020, 69, 1901-P.	0.3	0
33	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. <i>PLoS ONE</i> , 2020, 15, e0242360.	1.1	7
34	Title is missing!. , 2020, 17, e1003149.		0
35	Title is missing!. , 2020, 17, e1003149.		0
36	Title is missing!. , 2020, 17, e1003149.		0

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37	Title is missing!. , 2020, 17, e1003149.		0
38	Title is missing!. , 2020, 17, e1003149.		0
39	Progress on Identifying and Characterizing the Human Proteome: 2019 Metrics from the HUPO Human Proteome Project. Journal of Proteome Research, 2019, 18, 4098-4107.	1.8	41
40	Systematic Development of Sandwich Immunoassays for the Plasma Secretome. Proteomics, 2019, 19, e1900008.	1.3	10
41	Mass Spectrometry-Based Plasma Proteomics: Considerations from Sample Collection to Achieving Translational Data. Journal of Proteome Research, 2019, 18, 4085-4097.	1.8	128
42	Multiplexed analysis of the secretin-like GPCR-RAMP interactome. Science Advances, 2019, 5, eaaw2778.	4.7	54
43	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.	2.9	22
44	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	1.8	23
45	Systematic assessment of antibody selectivity in plasma based on a resource of enrichment profiles. Scientific Reports, 2019, 9, 8324.	1.6	29
46	Screening a Resource of Recombinant Protein Fragments for Targeted Proteomics. Journal of Proteome Research, 2019, 18, 2706-2718.	1.8	19
47	Development of parallel reaction monitoring assays for cerebrospinal fluid proteins associated with Alzheimer's disease. Clinica Chimica Acta, 2019, 494, 79-93.	0.5	30
48	The human secretome. Science Signaling, 2019, 12, .	1.6	259
49	Targeted Analysis of Serum Proteins Encoded at Known Inflammatory Bowel Disease Risk Loci. Inflammatory Bowel Diseases, 2019, 25, 306-316.	0.9	15
50	In-depth human plasma proteome analysis captures tissue proteins and transfer of protein variants across the placenta. ELife, 2019, 8, .	2.8	56
51	189-OR: Plasma Proteome Profiling of Prediabetes and Diabetes Progression: An IMI Direct Study. Diabetes, 2019, 68, .	0.3	0
52	Affinity proteomic profiling of plasma for proteins associated to area-based mammographic breast density. Breast Cancer Research, 2018, 20, 14.	2.2	8
53	High-Density Antigen Microarrays for the Assessment of Antibody Selectivity and Off-Target Binding. Methods in Molecular Biology, 2018, 1785, 231-238.	0.4	2
54	Multiplexed Antigen Bead Arrays for the Assessment of Antibody Selectivity and Epitope Mapping. Methods in Molecular Biology, 2018, 1785, 239-248.	0.4	2

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55	U-CAN: a prospective longitudinal collection of biomaterials and clinical information from adult cancer patients in Sweden. <i>Acta Oncologica</i> , 2018, 57, 187-194.	0.8	52
56	Detection of autoantibodies against cancer-testis antigens in non-small cell lung cancer. <i>Lung Cancer</i> , 2018, 125, 157-163.	0.9	16
57	Novel Multiomics Profiling of Human Carotid Atherosclerotic Plaques and Plasma Reveals Biliverdin Reductase B as a Marker of Intraplaque Hemorrhage. <i>JACC Basic To Translational Science</i> , 2018, 3, 464-480.	1.9	42
58	Current applications of antibody microarrays. <i>Clinical Proteomics</i> , 2018, 15, 7.	1.1	75
59	Progress on Identifying and Characterizing the Human Proteome: 2018 Metrics from the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2018, 17, 4031-4041.	1.8	59
60	Whole-Proteome Peptide Microarrays for Profiling Autoantibody Repertoires within Multiple Sclerosis and Narcolepsy. <i>Journal of Proteome Research</i> , 2017, 16, 1300-1314.	1.8	57
61	Affinity Proteomics Exploration of Melanoma Identifies Proteins in Serum with Associations to T-Stage and Recurrence. <i>Translational Oncology</i> , 2017, 10, 385-395.	1.7	8
62	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	6.0	2,079
63	A Preliminary Report: Radical Surgery and Stem Cell Transplantation for the Treatment of Patients With Pancreatic Cancer. <i>Journal of Immunotherapy</i> , 2017, 40, 132-139.	1.2	5
64	Protein profiling in plasma reveals molecular subgroups in systemic lupus erythematosus. , 2017, , .		0
65	Neuroproteomic Profiling of Cerebrospinal Fluid (CSF) by Multiplexed Affinity Arrays. <i>Methods in Molecular Biology</i> , 2017, 1598, 247-254.	0.4	2
66	Thiol-ene epoxy thermoset for low-temperature bonding to biofunctionalized microarray surfaces. <i>Lab on A Chip</i> , 2017, 17, 3672-3681.	3.1	19
67	The Human Plasma Proteome Draft of 2017: Building on the Human Plasma Peptide Atlas from Mass Spectrometry and Complementary Assays. <i>Journal of Proteome Research</i> , 2017, 16, 4299-4310.	1.8	185
68	A pathology atlas of the human cancer transcriptome. <i>Science</i> , 2017, 357, .	6.0	2,570
69	High-Density Serum/Plasma Reverse Phase Protein Arrays. <i>Methods in Molecular Biology</i> , 2017, 1619, 229-238.	0.4	8
70	Bead-Based and Multiplexed Immunoassays for Protein Profiling via Sequential Affinity Capture. <i>Methods in Molecular Biology</i> , 2017, 1619, 45-54.	0.4	0
71	Discovery of circulating proteins associated to knee radiographic osteoarthritis. <i>Scientific Reports</i> , 2017, 7, 137.	1.6	29
72	Elevated levels of circulating CDH5 and FABP1 in association with human drug-induced liver injury. <i>Liver International</i> , 2017, 37, 132-140.	1.9	25

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73	Identification of a Novel Autoimmune Peptide Epitope of Prostein in Prostate Cancer. <i>Journal of Proteome Research</i> , 2017, 16, 204-216.	1.8	21
74	Untargeted screening for novel autoantibodies with prognostic value in first-episode psychosis. <i>Translational Psychiatry</i> , 2017, 7, e1177-e1177.	2.4	17
75	PDGFB, a new candidate plasma biomarker for venous thromboembolism: results from the VEREMA affinity proteomics study. <i>Blood</i> , 2016, 128, e59-e66.	0.6	39
76	Autoantibody targets in vaccine-associated narcolepsy. <i>Autoimmunity</i> , 2016, 49, 421-433.	1.2	25
77	Multiplexed protein profiling by sequential affinity capture. <i>Proteomics</i> , 2016, 16, 1251-1256.	1.3	7
78	CSF profiling of the human brain enriched proteome reveals associations of neuromodulin and neurogranin to Alzheimer's disease. <i>Proteomics - Clinical Applications</i> , 2016, 10, 1242-1253.	0.8	64
79	Neuroproteomic profiling of human body fluids. <i>Proteomics - Clinical Applications</i> , 2016, 10, 485-502.	0.8	7
80	Affinity proteomics discovers decreased levels of AMFR in plasma from Osteoporosis patients. <i>Proteomics - Clinical Applications</i> , 2016, 10, 681-690.	0.8	10
81	Multidimensional Normalization to Minimize Plate Effects of Suspension Bead Array Data. <i>Journal of Proteome Research</i> , 2016, 15, 3473-3480.	1.8	38
82	Antigen arrays for profiling autoantibody repertoires. <i>Bioanalysis</i> , 2016, 8, 1105-1126.	0.6	41
83	Elevated levels of FN1 and CCL2 in bronchoalveolar lavage fluid from sarcoidosis patients. <i>Respiratory Research</i> , 2016, 17, 69.	1.4	9
84	Exploration of high-density protein microarrays for antibody validation and autoimmunity profiling. <i>New Biotechnology</i> , 2016, 33, 582-592.	2.4	50
85	Immunocapture strategies in translational proteomics. <i>Expert Review of Proteomics</i> , 2016, 13, 83-98.	1.3	37
86	Anoctamin 2 identified as an autoimmune target in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2188-2193.	3.3	86
87	Circulating Carnosine Dipeptidase 1 Associates with Weight Loss and Poor Prognosis in Gastrointestinal Cancer. <i>PLoS ONE</i> , 2015, 10, e0123566.	1.1	25
88	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. <i>PLoS ONE</i> , 2015, 10, e0133449.	1.1	23
89	Proteomic Profiling Reveals Autoimmune Targets in Sarcoidosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 574-583.	2.5	61
90	Tissue-based map of the human proteome. <i>Science</i> , 2015, 347, 1260419.	6.0	10,802

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91	Heat differentiated complement factor profiling. <i>Journal of Proteomics</i> , 2015, 126, 155-162.	1.2	11
92	The Human Pancreas Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>PLoS ONE</i> , 2014, 9, e115421.	1.1	35
93	Affinity Proteomics Reveals Elevated Muscle Proteins in Plasma of Children with Cerebral Malaria. <i>PLoS Pathogens</i> , 2014, 10, e1004038.	2.1	40
94	Development of a coordinated allo T cell and auto B cell response against autosomal PTK2B after allogeneic hematopoietic stem cell transplantation. <i>Haematologica</i> , 2014, 99, 365-369.	1.7	29
95	Magnetic bead assisted labeling of antibodies at nanogram scale. <i>Proteomics</i> , 2014, 14, 14-18.	1.3	18
96	Plasma profiling reveals three proteins associated to amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 544-553.	1.7	42
97	Affinity proteomics within rare diseases: a <sc>BIO</sc>-NMD</sc> study for blood biomarkers of muscular dystrophies. <i>EMBO Molecular Medicine</i> , 2014, 6, 918-936.	3.3	105
98	Affinity Proteomic Profiling of Plasma, Cerebrospinal Fluid, and Brain Tissue within Multiple Sclerosis. <i>Journal of Proteome Research</i> , 2014, 13, 4607-4619.	1.8	42
99	Analysis of Autoantibody Profiles in Osteoarthritis Using Comprehensive Protein Array Concepts. <i>Journal of Proteome Research</i> , 2014, 13, 5218-5229.	1.8	41
100	Analysis of the Human Tissue-specific Expression by Genome-wide Integration of Transcriptomics and Antibody-based Proteomics. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 397-406.	2.5	2,819
101	Analysis of plasma from prostate cancer patients links decreased carnosine dipeptidase 1 levels to lymph node metastasis. <i>Translational Proteomics</i> , 2014, 2, 14-24.	1.2	10
102	Parallel barcoding of antibodies for DNA-assisted proteomics. <i>Proteomics</i> , 2014, 14, 2432-2436.	1.3	7
103	Bead Arrays for Antibody and Complement Profiling Reveal Joint Contribution of Antibody Isotypes to C3 Deposition. <i>PLoS ONE</i> , 2014, 9, e96403.	1.1	13
104	Profiling post-centrifugation delay of serum and plasma with antibody bead arrays. <i>Journal of Proteomics</i> , 2013, 95, 46-54.	1.2	24
105	Antibody-based profiling of cerebrospinal fluid within multiple sclerosis. <i>Proteomics</i> , 2013, 13, 2256-2267.	1.3	35
106	Contribution of Antibody-based Protein Profiling to the Human Chromosome-centric Proteome Project (C-HPP). <i>Journal of Proteome Research</i> , 2013, 12, 2439-2448.	1.8	48
107	Autoantibody Profiling in Multiple Sclerosis Using Arrays of Human Protein Fragments. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2657-2672.	2.5	74
108	Selectivity analysis of single binder assays used in plasma protein profiling. <i>Proteomics</i> , 2013, 13, 3406-3410.	1.3	15

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109	Identification of Candidate Serum Proteins for Classifying Well-Differentiated Small Intestinal Neuroendocrine Tumors. PLoS ONE, 2013, 8, e81712.	1.1	14
110	Highly Multiplexed Antibody Suspension Bead Arrays for Plasma Protein Profiling. Methods in Molecular Biology, 2013, 1023, 137-145.	0.4	57
111	A Miniaturized Ligand Binding Assay for EGFR. International Journal of Proteomics, 2012, 2012, 1-5.	2.0	1
112	Classification of protein profiles from antibody microarrays using heat and detergent treatment. New Biotechnology, 2012, 29, 564-570.	2.4	8
113	Validation of affinity reagents using antigen microarrays. New Biotechnology, 2012, 29, 555-563.	2.4	18
114	Proteomic profiling of the autoimmunity repertoire in multiple sclerosis. New Biotechnology, 2012, 29, S20.	2.4	0
115	Antibodies for profiling the human proteomeâ€”The <sc>H</sc>uman <sc>P</sc>rotein <sc>A</sc>tlas as a resource for cancer research. Proteomics, 2012, 12, 2067-2077.	1.3	211
116	Systematic antibody and antigen-based proteomic profiling with microarrays. Expert Review of Molecular Diagnostics, 2011, 11, 219-234.	1.5	51
117	Plasma Profiling Reveals Human Fibulin-1 as Candidate Marker for Renal Impairment. Journal of Proteome Research, 2011, 10, 4925-4934.	1.8	30
118	The Human Protein Atlas as a proteomic resource for biomarker discovery. Journal of Internal Medicine, 2011, 270, 428-446.	2.7	229
119	A roadmap to generate renewable protein binders to the human proteome. Nature Methods, 2011, 8, 551-558.	9.0	277
120	Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. Proteome Science, 2011, 9, 73.	0.7	19
121	Generation of monospecific antibodies based on affinity capture of polyclonal antibodies. Protein Science, 2011, 20, 1824-1835.	3.1	17
122	Next-generation plasma profiling: affinity array potential. Bioanalysis, 2011, 3, 1543-1546.	0.6	0
123	Antibody Suspension Bead Arrays. Methods in Molecular Biology, 2011, 723, 29-36.	0.4	13
124	Assessment of Antibody Specificity Using Suspension Bead Arrays. Methods in Molecular Biology, 2011, 785, 183-189.	0.4	4
125	High Throughput Screening for Antibody Responses Against H-Y Antigens and Their X-Variants in Allogeneic Hematopoietic Stem Cell Transplantation. Blood, 2011, 118, 4097-4097.	0.6	0
126	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.	1.4	11

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127	Comparative protein profiling of serum and plasma using an antibody suspension bead array approach. <i>Proteomics</i> , 2010, 10, 532-540.	1.3	34
128	Toward Next Generation Plasma Profiling via Heat-induced Epitope Retrieval and Array-based Assays. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2497-2507.	2.5	60
129	A lateral flow protein microarray for rapid determination of contagious bovine pleuropneumonia status in bovine serum. <i>Journal of Microbiological Methods</i> , 2010, 82, 11-18.	0.7	28
130	Recombinant Surface Proteomics as a Tool to Analyze Humoral Immune Responses in Bovines Infected by <i>Mycoplasma mycoides</i> Subsp. <i>mycoides</i> Small Colony Type. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2544-2554.	2.5	17
131	Multiplex Screening of Surface Proteins from <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> Small Colony for an Antigen Cocktail Enzyme-Linked Immunosorbent Assay. <i>Vaccine Journal</i> , 2009, 16, 1665-1674.	3.2	13
132	Development of a magnetic bead microarray for simultaneous and simple detection of four pestiviruses. <i>Journal of Virological Methods</i> , 2009, 155, 1-9.	1.0	23
133	Characterization of PrEST-based antibodies towards human Cytokeratin-17. <i>Journal of Immunological Methods</i> , 2009, 342, 20-32.	0.6	14
134	Magnetic bead-based detection of autoimmune responses using protein microarrays. <i>New Biotechnology</i> , 2009, 26, 269-276.	2.4	5
135	Validation of serum protein profiles by a dual antibody array approach. <i>Journal of Proteomics</i> , 2009, 73, 252-266.	1.2	21
136	Discovery of epitopes for targeting the human epidermal growth factor receptor 2 (<i>HER2</i>) with antibodies. <i>Molecular Oncology</i> , 2009, 3, 238-247.	2.1	23
137	Molecular profiling of human kidney injury using antibody suspension bead arrays. <i>Toxicology Letters</i> , 2009, 189, S94.	0.4	0
138	Antibody Suspension Bead Arrays within Serum Proteomics. <i>Journal of Proteome Research</i> , 2008, 7, 3168-3179.	1.8	104
139	Determination of Binding Specificities in Highly Multiplexed Bead-based Assays for Antibody Proteomics. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 125-132.	2.5	74
140	A Designed Ankyrin Repeat Protein Evolved to Picomolar Affinity to Her2. <i>Journal of Molecular Biology</i> , 2007, 369, 1015-1028.	2.0	211
141	Protein microarrays: catching the proteome. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 161-170.	2.2	85
142	Protein microarrays for antibody profiling: Specificity and affinity determination on a chip. <i>Proteomics</i> , 2005, 5, 2402-2411.	1.3	79
143	Protein microarrays: Promising tools for proteomic research. <i>Proteomics</i> , 2003, 3, 2155-2166.	1.3	228
144	Cell Microarrays: An Emerging Technology for the Characterization of Antibodies. <i>BioTechniques</i> , 2002, 33, S54-S61.	0.8	28