

# Ingrid Miller

## List of Publications by Citations

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117  
papers

2,540  
citations

28  
h-index

45  
g-index

128  
ext. papers

2,783  
ext. citations

3.7  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
117	Protein stains for proteomic applications: which, when, why?. <i>Proteomics</i> , <b>2006</b> , 6, 5385-408	4.8	188
116	Animal board invited review: advances in proteomics for animal and food sciences. <i>Animal</i> , <b>2015</b> , 9, 1-17	3.1	116
115	Farm animal proteomics--a review. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 282-93	3.9	110
114	Quantitative validation of different protein precipitation methods in proteome analysis of blood platelets. <i>Electrophoresis</i> , <b>2005</b> , 26, 2481-9	3.6	91
113	Proteins of rat serum, urine, and cerebrospinal fluid: VI. Further protein identifications and interstrain comparison. <i>Electrophoresis</i> , <b>2001</b> , 22, 3043-52	3.6	91
112	Strategies for proteomics with incompletely characterized genomes: the proteome of <i>Bos taurus</i> serum. <i>Electrophoresis</i> , <b>2002</b> , 23, 3418-27	3.6	89
111	Acute-phase proteins before cerebral ischemia in stroke-prone rats: identification by proteomics. <i>Stroke</i> , <b>2001</b> , 32, 753-60	6.7	83
110	Analysis of pathological events at the onset of brain damage in stroke-prone rats: a proteomics and magnetic resonance imaging approach. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 78, 115-22	4.4	73
109	Biological variation of the platelet proteome in the elderly population and its implication for biomarker research. <i>Molecular and Cellular Proteomics</i> , <b>2008</b> , 7, 193-203	7.6	64
108	Proteins of rat serum: I. Establishing a reference two-dimensional electrophoresis map by immunodetection and microbore high performance liquid chromatography-electrospray mass spectrometry. <i>Electrophoresis</i> , <b>1998</b> , 19, 1484-92	3.6	61
107	Reference maps of mouse serum acute-phase proteins: changes with LPS-induced inflammation and apolipoprotein A-I and A-II transgenes. <i>Proteomics</i> , <b>2005</b> , 5, 4245-53	4.8	50
106	A proteomic reference map for pig serum proteins as a prerequisite for diagnostic applications. <i>Research in Veterinary Science</i> , <b>2009</b> , 86, 362-7	2.5	48
105	The serum proteome of <i>Equus caballus</i> . <i>Proteomics</i> , <b>2004</b> , 4, 3227-34	4.8	48
104	Monitoring the effects of drug treatment in rat models of disease by serum protein analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 771, 107-30	3.2	45
103	Proteins of rat serum: III. Gender-related differences in protein concentration under baseline conditions and upon experimental inflammation as evaluated by two-dimensional electrophoresis. <i>Electrophoresis</i> , <b>1999</b> , 20, 836-45	3.6	45
102	Endotoxin causes functional endoplasmic reticulum failure, possibly mediated by mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2009</b> , 1792, 521-30	6.9	41
101	Proteins of rat serum: II. Influence of some biological parameters of the two-dimensional electrophoresis pattern. <i>Electrophoresis</i> , <b>1998</b> , 19, 1493-500	3.6	41

100	With or without you - Proteomics with or without major plasma/serum proteins. <i>Journal of Proteomics</i> , <b>2016</b> , 140, 62-80	3.9	39
99	Two-dimensional electrophoresis of cat sera: protein identification by cross reacting antibodies against human serum proteins. <i>Electrophoresis</i> , <b>1992</b> , 13, 450-3	3.6	37
98	Impact of ozonation on ecotoxicity and endocrine activity of tertiary treated wastewater effluent. <i>Water Research</i> , <b>2012</b> , 46, 3693-702	12.5	36
97	Vicious inducible nitric oxide synthase-mitochondrial reactive oxygen species cycle accelerates inflammatory response and causes liver injury in rats. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 572-86	8.4	35
96	Effect of estrogen on mitochondrial function and intracellular stress markers in rat liver and kidney following trauma-hemorrhagic shock and prolonged hypotension. <i>Molecular Medicine</i> , <b>2010</b> , 16, 254-61	6.2	35
95	Reperfusion does not induce oxidative stress but sustained endoplasmic reticulum stress in livers of rats subjected to traumatic-hemorrhagic shock. <i>Shock</i> , <b>2010</b> , 33, 289-98	3.4	35
94	Detecting oxidative post-translational modifications in proteins. <i>Amino Acids</i> , <b>2007</b> , 33, 51-6	3.5	34
93	Matrix metalloproteinase (MMP)-2 and MMP-9 activity in the canine uterus before and during placentation. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 654-9	1.6	32
92	Proteins of rat serum V: adjuvant arthritis and its modulation by nonsteroidal anti-inflammatory drugs. <i>Electrophoresis</i> , <b>2000</b> , 21, 2170-9	3.6	31
91	Proteins of rat serum IV. Time-course of acute-phase protein expression and its modulation by indomethacine. <i>Electrophoresis</i> , <b>1999</b> , 20, 846-53	3.6	29
90	Proteomic analysis of porcine saliva. <i>Veterinary Journal</i> , <b>2011</b> , 187, 356-62	2.5	27
89	Peculiarities in electrophoretic behavior of different serum albumins. <i>Electrophoresis</i> , <b>1993</b> , 14, 1312-7	3.6	26
88	Major urinary protein (MUP) profiles show dynamic changes rather than individual barcode signatures. <i>Frontiers in Ecology and Evolution</i> , <b>2015</b> , 3,	3.7	25
87	Downregulation of cellular protective factors of rumen epithelium in goats fed high energy diet. <i>PLoS ONE</i> , <b>2013</b> , 8, e81602	3.7	25
86	Pig $\beta$ -acid glycoprotein: characterization and first description in any species as a negative acute phase protein. <i>PLoS ONE</i> , <b>2013</b> , 8, e68110	3.7	25
85	Detection of potential markers for systemic disease in saliva of pigs by proteomics: a pilot study. <i>Veterinary Immunology and Immunopathology</i> , <b>2013</b> , 151, 73-82	2	24
84	Expression of vascular endothelial growth factor and its receptors in canine lymphoma. <i>Journal of Comparative Pathology</i> , <b>2007</b> , 137, 30-40	1	24
83	The rabbit as an experimental and production animal: from genomics to proteomics. <i>Current Protein and Peptide Science</i> , <b>2014</b> , 15, 134-45	2.8	24

82	Gender differences in endothelial function and inflammatory markers along the occurrence of pathological events in stroke-prone rats. <i>Experimental and Molecular Pathology</i> , <b>2007</b> , 82, 33-41	4.4	23
81	Tyrosine kinase 2 controls IL-1 $\beta$ production at the translational level. <i>Journal of Immunology</i> , <b>2010</b> , 185, 3544-53	5.3	22
80	Application of 2D DIGE in animal proteomics. <i>Methods in Molecular Biology</i> , <b>2012</b> , 854, 373-96	1.4	22
79	Opposite effects of endotoxin on mitochondrial and endoplasmic reticulum functions. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 352, 91-6	3.4	21
78	Other than IPG-DALT: 2-DE variants. <i>Proteomics</i> , <b>2010</b> , 10, 586-610	4.8	20
77	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. <i>Electrophoresis</i> , <b>2006</b> , 27, 1626-9	3.6	19
76	Growth promotion in pigs by oxytetracycline coincides with down regulation of serum inflammatory parameters and of hibernation-associated protein HP-27. <i>Electrophoresis</i> , <b>2016</b> , 37, 1277-86	3.6	18
75	In between - Proteomics of dog biological fluids. <i>Journal of Proteomics</i> , <b>2014</b> , 106, 30-45	3.9	18
74	Nonreducing two-dimensional gel electrophoresis for the detection of Bence Jones proteins in serum and urine. <i>Proteomics</i> , <b>2004</b> , 4, 257-60	4.8	18
73	Hexabromocyclododecane (HBCD) induced changes in the liver proteome of eu- and hypothyroid female rats. <i>Toxicology Letters</i> , <b>2016</b> , 245, 40-51	4.4	17
72	Proteome analysis of rat liver mitochondria reveals a possible compensatory response to endotoxic shock. <i>FEBS Letters</i> , <b>2006</b> , 580, 1257-62	3.8	17
71	A web site for the rat serum protein study group. <i>Electrophoresis</i> , <b>1999</b> , 20, 3599-602	3.6	17
70	Structural transitions of human serum albumin: an investigation using electrophoretic techniques. <i>Electrophoresis</i> , <b>1997</b> , 18, 695-700	3.6	16
69	Diversity of major urinary proteins (MUPs) in wild house mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 38378	4.9	15
68	Proteomics on porcine haptoglobin and IgG/IgA show protein species distribution and glycosylation pattern to remain similar in PCV2-SD infection. <i>Journal of Proteomics</i> , <b>2014</b> , 101, 205-16	3.9	14
67	An electrophoretic study on interactions of albumins of different species with immobilized Cibacron Blue F3G A. <i>Electrophoresis</i> , <b>1998</b> , 19, 2506-14	3.6	14
66	Impairment of endoplasmic reticulum in liver as an early consequence of the systemic inflammatory response in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, G1373-83	5.1	13
65	The impact of tyrosine kinase 2 (Tyk2) on the proteome of murine macrophages and their response to lipopolysaccharide (LPS). <i>Proteomics</i> , <b>2008</b> , 8, 3469-85	4.8	13

64	Host-pathogen interplay at primary infection sites in pigs challenged with <i>Actinobacillus pleuropneumoniae</i> . <i>BMC Veterinary Research</i> , <b>2017</b> , 13, 64	2.7	13
63	A proteomic portrait of atherosclerosis. <i>Journal of Proteomics</i> , <b>2013</b> , 82, 92-112	3.9	12
62	A comparative proteome analysis links tyrosine kinase 2 (Tyk2) to the regulation of cellular glucose and lipid metabolism in response to poly(I:C). <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2866-80	3.9	12
61	Proteomics of lung physiopathology. <i>Proteomics</i> , <b>2008</b> , 8, 5053-73	4.8	12
60	Expression of Progesterone Receptor Membrane Component 1 (PGRMC1), Progesterin and AdipoQ Receptor 7 (PAQPR7), and Plasminogen Activator Inhibitor 1 RNA-Binding Protein (PAIRBP1) in Glioma Spheroids In Vitro. <i>BioMed Research International</i> , <b>2016</b> , 2016, 8065830	3	12
59	In silico prediction and characterization of protein post-translational modifications. <i>Journal of Proteomics</i> , <b>2016</b> , 134, 65-75	3.9	11
58	Usefulness of DIGE for the detection of protein profile in retained and released bovine placental tissues. <i>Placenta</i> , <b>2015</b> , 36, 246-9	3.4	11
57	Human osteosarcoma cells respond to sorafenib chemotherapy by downregulation of the tumor progression factors S100A4, CXCR4 and the oncogene FOS. <i>Oncology Reports</i> , <b>2014</b> , 31, 1147-56	3.5	11
56	Low-tech electrophoresis, small but beautiful, and effective: electrophoretic titration curves of proteins. <i>Electrophoresis</i> , <b>1999</b> , 20, 1325-38	3.6	11
55	The added value of proteomics for toxicological studies. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2014</b> , 17, 225-46	8.6	10
54	Glycosaminoglycan-Mediated Downstream Signaling of CXCL8 Binding to Endothelial Cells. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	10
53	THC ( $\Delta^9$ -Tetrahydrocannabinol) Exerts Neuroprotective Effect in Glutamate-affected Murine Primary Mesencephalic Cultures Through Restoring Mitochondrial Membrane Potential and Anti-apoptosis Involving CB Receptor-dependent Mechanism. <i>Phytotherapy Research</i> , <b>2016</b> , 30, 2044-2052	6.7	10
52	Proteomics of rat biological fluids--the tenth anniversary update. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 3113-289	3.9	9
51	A proteomic analysis of serum from dogs before and after a controlled weight-loss program. <i>Domestic Animal Endocrinology</i> , <b>2012</b> , 43, 271-7	2.3	9
50	Neglected markers: altered serum proteome in murine models of disease. <i>Proteomics</i> , <b>2012</b> , 12, 691-707	4.8	9
49	Proteome analysis of <i>Aspergillus ochraceus</i> . <i>Mycotoxin Research</i> , <b>2010</b> , 26, 171-80	4	9
48	Cannabidiol Protects Dopaminergic Neurons in Mesencephalic Cultures against the Complex I Inhibitor Rotenone Via Modulation of Heme Oxygenase Activity and Bilirubin. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	8
47	Comparative proteome analysis of monolayer and spheroid culture of canine osteosarcoma cells. <i>Journal of Proteomics</i> , <b>2018</b> , 177, 124-136	3.9	8

46	Gender proteomics I. Which proteins in non-sexual organs. <i>Journal of Proteomics</i> , <b>2018</b> , 178, 7-17	3.9	8
45	Transient increase of free iron in rat livers following hemorrhagic-traumatic shock and reperfusion is independent of heme oxygenase 1 upregulation. <i>Shock</i> , <b>2011</b> , 36, 501-9	3.4	8
44	Immunophenotypic characterization of peripheral blast cells in a leukemic miniature pig. <i>Veterinary Pathology</i> , <b>2006</b> , 43, 362-7	2.8	8
43	Structure of the seminal pathway in the European chub, <i>Leuciscus cephalus</i> (Cyprinidae); Teleostei. <i>Journal of Morphology</i> , <b>2005</b> , 263, 375-91	1.6	8
42	Investigation of corneal autoantibodies in horses with immune mediated keratitis (IMMK). <i>Veterinary Immunology and Immunopathology</i> , <b>2017</b> , 187, 48-54	2	7
41	Identification of the major regenerative III protein (RegIII) in the porcine intestinal mucosa as RegIII $\alpha$ not RegIII $\beta$ . <i>Veterinary Immunology and Immunopathology</i> , <b>2015</b> , 167, 51-6	2	7
40	Gender specific differences in the liver proteome of rats exposed to short term and low-concentration hexabromocyclododecane (HBCD). <i>Toxicology Research</i> , <b>2016</b> , 5, 1273-1283	2.6	7
39	Characterisation of <i>Sarcoptes scabiei</i> antigens. <i>Parasitology Research</i> , <b>2011</b> , 108, 309-15	2.4	7
38	Any use in proteomics for low-tech approaches? Detecting fibrinogen chains of different animal species in two-dimensional electrophoresis patterns. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 2314-8	3.2	7
37	Some more about dogs: Proteomics of neglected biological fluids. <i>Journal of Proteomics</i> , <b>2020</b> , 218, 103724	3.4	6
36	Comparing the applicability of CGE-on-the-chip and SDS-PAGE for fast pre-screening of mouse serum samples prior to proteomics analysis. <i>Electrophoresis</i> , <b>2008</b> , 29, 4332-40	3.6	6
35	Ultrathin-layer isoelectric focusing of enzymes in liver samples of wagtails ( <i>Motacilla flava</i> , ssp.). <i>Electrophoresis</i> , <b>1982</b> , 3, 146-151	3.6	6
34	<i>Actinobacillus pleuropneumoniae</i> triggers IL-10 expression in tonsils to mediate colonisation and persistence of infection in pigs. <i>Veterinary Immunology and Immunopathology</i> , <b>2018</b> , 205, 17-23	2	6
33	Concentration and pattern changes of porcine serum apolipoprotein A-I in four different infectious diseases. <i>Electrophoresis</i> , <b>2015</b> , 36, 543-51	3.6	5
32	In slow pace towards the proteome of equine body fluids. <i>Journal of Proteomics</i> , <b>2020</b> , 225, 103880	3.9	5
31	Contamination of therapeutic human immunoglobulin preparations with apolipoprotein H ( $\beta$ -glycoprotein I). <i>Electrophoresis</i> , <b>2014</b> , 35, 515-21	3.6	5
30	How many spots with missing values can be tolerated in quantitative two-dimensional gel electrophoresis when applying univariate statistics?. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1792-802	3.9	5
29	Expression and activity of matrix metalloproteinases in the uterus of bitches after spontaneous and induced abortion. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46, 197-204	1.6	5

28	Detection and first characterization of an uncommon haptoglobin in porcine saliva of pigs with rectal prolapse by using boronic acid sample enrichment. <i>Animal</i> , <b>2017</b> , 11, 845-853	3.1	4
27	S100A4 (metastasin) positive mesenchymal canine mammary tumour spheroids reduce Tenascin C synthesis under DMSO exposure in vitro. <i>Veterinary and Comparative Oncology</i> , <b>2017</b> , 15, 1428-1444	2.5	4
26	Continuous thrombin infusion leads to a bleeding phenotype in sheep. <i>Thrombosis Research</i> , <b>2012</b> , 130, 226-36	8.2	4
25	Elevated fructosamine concentrations caused by IgA paraproteinemia in two dogs. <i>Journal of Veterinary Science</i> , <b>2010</b> , 11, 359-61	1.6	4
24	Immunomodulating activity of 1,2-difattyacyl-3-mercaptoglycerol adducts. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1992</b> , 373, 1085-94		4
23	Domestic animal proteomics in the 21st century: A global retrospective and viewpoint analysis. <i>Journal of Proteomics</i> , <b>2021</b> , 241, 104220	3.9	4
22	Hemolymph proteins: An overview across marine arthropods and molluscs. <i>Journal of Proteomics</i> , <b>2021</b> , 245, 104294	3.9	4
21	What if? Mouse proteomics after gene inactivation. <i>Journal of Proteomics</i> , <b>2019</b> , 199, 102-122	3.9	3
20	Gender proteomics II. Which proteins in sexual organs. <i>Journal of Proteomics</i> , <b>2018</b> , 178, 18-30	3.9	3
19	Ezrin and moesin expression in canine and feline osteosarcoma. <i>Histology and Histopathology</i> , <b>2017</b> , 32, 805-816	1.4	3
18	Protein Separation Strategies41-76		3
17	Towards Understanding Non-Infectious Growth-Rate Retardation in Growing Pigs. <i>Proteomes</i> , <b>2019</b> , 7,	4.6	2
16	Application of 2-D DIGE to survey the quality of biological medicines. <i>Proteomics</i> , <b>2011</b> , 11, 2120-3	4.8	2
15	MMTV accessory factor Naf affects cellular gene expression. <i>Virology</i> , <b>2006</b> , 346, 139-50	3.6	2
14	Two-dimensional electrophoresis in small gels for applications in veterinary medicine. <i>Electrophoresis</i> , <b>1991</b> , 12, 303-6	3.6	2
13	Dataset of liver proteins changed in eu- and hypothyroid female rats upon in vivo exposure to hexabromocyclododecane (HBCD). <i>Data in Brief</i> , <b>2016</b> , 7, 386-92	1.2	1
12	Forensics on wild animals: differentiation between otter and pheasant blood using electrophoretic methods. <i>Electrophoresis</i> , <b>1995</b> , 16, 865-8	3.6	1
11	Two-dimensional electrophoresis for the study of blood/serum proteins of the otter, an endangered species. <i>Electrophoresis</i> , <b>1995</b> , 16, 1193-8	3.6	1

10	Motor Cortex and Hippocampus Display Decreased Heme Oxygenase Activity 2 Weeks After Ventricular Fibrillation Cardiac Arrest in Rats. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 513	4.9	1
9	Dataset of liver proteins of eu- and hypothyroid rats affected in abundance by any of three factors: in vivo exposure to hexabromocyclododecane (HBCD), thyroid status, gender differences. <i>Data in Brief</i> , <b>2016</b> , 8, 1344-7	1.2	1
8	Self-Incompatibility in <i>Matricaria chamomilla</i> L. (Asteraceae) Is Linked to Differential Esterase Activity. <i>International Journal of Plant Sciences</i> , <b>2019</b> , 180, 366-373	2.6	
7	Proteomic Research in Farm Animal Serum and Plasma <b>2018</b> , 103-119		
6	From Farm to Fork <b>2017</b> , 145-161		
5	Proteins of rat serum IV. Time-course of acute-phase protein expression and its modulation by indomethacin 266-273		
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3	Immunoglobulin Patterns in Health and Disease <b>2005</b> , 235-267		
2	Chapter 10: Intestinal health research and proteomics, a wellmatched couple <b>2015</b> , 229-252		
1	Tissue Damage, Not Infection, Triggers Hepatic Unfolded Protein Response in an Experimental Rat Peritonitis Model.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 785285	4.9	