

# Ingrid Miller

## List of Publications by Year in descending order

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123  
papers

3,003  
citations

159525

30  
h-index

197736

49  
g-index

128  
all docs

128  
docs citations

128  
times ranked

3676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein stains for proteomic applications: Which, when, why?. <i>Proteomics</i> , 2006, 6, 5385-5408.	1.3	220
2	Animal board invited review: advances in proteomics for animal and food sciences. <i>Animal</i> , 2015, 9, 1-17.	1.3	143
3	Farm animal proteomics – A review. <i>Journal of Proteomics</i> , 2011, 74, 282-293.	1.2	131
4	Quantitative validation of different protein precipitation methods in proteome analysis of blood platelets. <i>Electrophoresis</i> , 2005, 26, 2481-2489.	1.3	99
5	Proteins of rat serum, urine, and cerebrospinal fluid: VI. Further protein identifications and interstrain comparison. <i>Electrophoresis</i> , 2001, 22, 3043-3052.	1.3	96
6	Strategies for proteomics with incompletely characterized genomes: the proteome of <i>Bos taurus</i> serum. <i>Electrophoresis</i> , 2002, 23, 3418-3427.	1.3	94
7	Acute-Phase Proteins Before Cerebral Ischemia in Stroke-Prone Rats. <i>Stroke</i> , 2001, 32, 753-760.	1.0	93
8	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> , 2004, 78, 115-122.	1.3	78
9	Biological Variation of the Platelet Proteome in the Elderly Population and Its Implication for Biomarker Research. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 193-203.	2.5	71
10	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> , 1998, 19, 1484-1492.	1.3	67
11	A proteomic reference map for pig serum proteins as a prerequisite for diagnostic applications. <i>Research in Veterinary Science</i> , 2009, 86, 362-367.	0.9	57
12	The serum proteome of <i>Equus caballus</i> . <i>Proteomics</i> , 2004, 4, 3227-3234.	1.3	54
13	Reference maps of mouse serum acute-phase proteins: Changes with LPS-induced inflammation and apolipoprotein A-I and A-II transgenes. <i>Proteomics</i> , 2005, 5, 4245-4253.	1.3	53
14	With or without you – Proteomics with or without major plasma/serum proteins. <i>Journal of Proteomics</i> , 2016, 140, 62-80.	1.2	53
15	Two-dimensional electrophoresis of cat sera: Protein identification by cross reacting antibodies against human serum proteins. <i>Electrophoresis</i> , 1992, 13, 450-453.	1.3	52
16	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> , 2002, 771, 107-130.	1.2	48
17	Endotoxin causes functional endoplasmic reticulum failure, possibly mediated by mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 521-530.	1.8	48
18	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> , 1999, 20, 836-845.	1.3	46

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19	Impact of ozonation on ecotoxicity and endocrine activity of tertiary treated wastewater effluent. <i>Water Research</i> , 2012, 46, 3693-3702.	5.3	46
20	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> , 2015, 22, 572-586.	2.5	45
21	Proteomics, a new tool for farm animal science. <i>Journal of Proteomics</i> , 2012, 75, 4187-4189.	1.2	44
22	Proteins of rat serum: II. Influence of some biological parameters of the two-dimensional electrophoresis pattern. <i>Electrophoresis</i> , 1998, 19, 1493-1500.	1.3	43
23	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> , 2010, 16, 254-261.	1.9	40
24	REPERFUSION DOES NOT INDUCE OXIDATIVE STRESS BUT SUSTAINED ENDOPLASMIC RETICULUM STRESS IN LIVERS OF RATS SUBJECTED TO TRAUMATIC-HEMORRHAGIC SHOCK. <i>Shock</i> , 2010, 33, 289-298.	1.0	37
25	Pig $\beta$ 1-Acid Glycoprotein: Characterization and First Description in Any Species as a Negative Acute Phase Protein. <i>PLoS ONE</i> , 2013, 8, e68110.	1.1	37
26	Detecting oxidative post-translational modifications in proteins. <i>Amino Acids</i> , 2007, 33, 51-56.	1.2	36
27	Matrix Metalloproteinase (MMP)-2 and MMP-9 Activity in the Canine Uterus Before and During Placentation. <i>Reproduction in Domestic Animals</i> , 2007, 42, 654-659.	0.6	33
28	Proteomic analysis of porcine saliva. <i>Veterinary Journal</i> , 2011, 187, 356-362.	0.6	33
29	Proteins of rat serum V: Adjuvant arthritis and its modulation by nonsteroidal anti-inflammatory drugs. <i>Electrophoresis</i> , 2000, 21, 2170-2180.	1.3	32
30	Detection of potential markers for systemic disease in saliva of pigs by proteomics: A pilot study. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 73-82.	0.5	32
31	Major urinary protein (MUP) profiles show dynamic changes rather than individual "signatures". <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	1.1	31
32	Proteins of rat serum IV. Time-course of acute-phase protein expression and its modulation by indomethacine. <i>Electrophoresis</i> , 1999, 20, 846-853.	1.3	30
33	Downregulation of Cellular Protective Factors of Rumen Epithelium in Goats Fed High Energy Diet. <i>PLoS ONE</i> , 2013, 8, e81602.	1.1	30
34	Peculiarities in electrophoretic behavior of different serum albumins. <i>Electrophoresis</i> , 1993, 14, 1312-1317.	1.3	29
35	Gender differences in endothelial function and inflammatory markers along the occurrence of pathological events in stroke-prone rats. <i>Experimental and Molecular Pathology</i> , 2007, 82, 33-41.	0.9	28
36	Expression of Vascular Endothelial Growth Factor and its Receptors in Canine Lymphoma. <i>Journal of Comparative Pathology</i> , 2007, 137, 30-40.	0.1	28

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37	Application of 2D DIGE in Animal Proteomics. <i>Methods in Molecular Biology</i> , 2012, 854, 373-396.	0.4	27
38	The Rabbit as an Experimental and Production Animal: From Genomics to Proteomics. <i>Current Protein and Peptide Science</i> , 2014, 15, 134-145.	0.7	26
39	Diversity of major urinary proteins (MUPs) in wild house mice. <i>Scientific Reports</i> , 2016, 6, 38378.	1.6	25
40	Growth promotion in pigs by oxytetracycline coincides with down regulation of serum inflammatory parameters and of hibernation-associated protein HP $\alpha$ 27. <i>Electrophoresis</i> , 2016, 37, 1277-1286.	1.3	25
41	Tyrosine Kinase 2 Controls IL-1 $\beta$ Production at the Translational Level. <i>Journal of Immunology</i> , 2010, 185, 3544-3553.	0.4	24
42	In between " Proteomics of dog biological fluids. <i>Journal of Proteomics</i> , 2014, 106, 30-45.	1.2	24
43	Hexabromocyclododecane (HBCD) induced changes in the liver proteome of eu- and hypothyroid female rats. <i>Toxicology Letters</i> , 2016, 245, 40-51.	0.4	24
44	Other than IPG $\alpha$ DALT: 2 $\alpha$ DE variants. <i>Proteomics</i> , 2010, 10, 586-610.	1.3	23
45	Opposite effects of endotoxin on mitochondrial and endoplasmic reticulum functions. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 91-96.	1.0	21
46	Glycosaminoglycan-Mediated Downstream Signaling of CXCL8 Binding to Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2605.	1.8	21
47	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. <i>Electrophoresis</i> , 2006, 27, 1626-1629.	1.3	20
48	Host-pathogen interplay at primary infection sites in pigs challenged with <i>Actinobacillus pleuropneumoniae</i> . <i>BMC Veterinary Research</i> , 2016, 13, 64.	0.7	19
49	Nonreducing two-dimensional gel electrophoresis for the detection of Bence Jones proteins in serum and urine. <i>Proteomics</i> , 2004, 4, 257-260.	1.3	18
50	Hemolymph proteins: An overview across marine arthropods and molluscs. <i>Journal of Proteomics</i> , 2021, 245, 104294.	1.2	18
51	A web site for the Rat Serum Protein Study Group. <i>Electrophoresis</i> , 1999, 20, 3599-3602.	1.3	17
52	Proteome analysis of rat liver mitochondria reveals a possible compensatory response to endotoxic shock. <i>FEBS Letters</i> , 2006, 580, 1257-1262.	1.3	17
53	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> , 2011, 74, 2866-2880.	1.2	17
54	Structural transitions of human serum albumin: An investigation using electrophoretic techniques. <i>Electrophoresis</i> , 1997, 18, 695-700.	1.3	16

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55	An electrophoretic study on interactions of albumins of different species with immobilized Cibacron Blue F3G A. <i>Electrophoresis</i> , 1998, 19, 2506-2514.	1.3	16
56	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> , 2014, 101, 205-216.	1.2	16
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> , 2014, 31, 1147-1156.	1.2	15
58	Expression of Progesterone Receptor Membrane Component 1 (PGRMC1), Progesterone Receptor 7 (PAQPR7), and Plasminogen Activator Inhibitor 1 RNA-Binding Protein (PAIRBP1) in Glioma Spheroids <i>In Vitro</i> . <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	15
59	Comparative proteome analysis of monolayer and spheroid culture of canine osteosarcoma cells. <i>Journal of Proteomics</i> , 2018, 177, 124-136.	1.2	14
60	The impact of tyrosine kinase 2 (Tyk2) on the proteome of murine macrophages and their response to lipopolysaccharide (LPS). <i>Proteomics</i> , 2008, 8, 3469-3485.	1.3	13
61	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> , 2012, 303, G1373-G1383.	1.6	13
62	A proteomic portrait of atherosclerosis. <i>Journal of Proteomics</i> , 2013, 82, 92-112.	1.2	13
63	Usefulness of DIGE for the detection of protein profile in retained and released bovine placental tissues. <i>Placenta</i> , 2015, 36, 246-249.	0.7	13
64	<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> , 2018, 205, 17-23.	0.5	13
65	Some more about dogs: Proteomics of neglected biological fluids. <i>Journal of Proteomics</i> , 2020, 218, 103724.	1.2	13
66	Domestic animal proteomics in the 21st century: A global retrospective and viewpoint analysis. <i>Journal of Proteomics</i> , 2021, 241, 104220.	1.2	13
67	Low-tech electrophoresis, small but beautiful, and effective: Electrophoretic titration curves of proteins. <i>Electrophoresis</i> , 1999, 20, 1325-1338.	1.3	12
68	Proteomics of lung physiopathology. <i>Proteomics</i> , 2008, 8, 5053-5073.	1.3	12
69	In silico prediction and characterization of protein post-translational modifications. <i>Journal of Proteomics</i> , 2016, 134, 65-75.	1.2	12
70	Gender proteomics I. Which proteins in non-sexual organs. <i>Journal of Proteomics</i> , 2018, 178, 7-17.	1.2	12
71	Cannabidiol Protects Dopaminergic Neurons in Mesencephalic Cultures against the Complex I Inhibitor Rotenone Via Modulation of Heme Oxygenase Activity and Bilirubin. <i>Antioxidants</i> , 2020, 9, 135.	2.2	12
72	The Added Value of Proteomics for Toxicological Studies. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2014, 17, 225-246.	2.9	11

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73	THC (Î”9â€”Tetrahydrocannabinol) Exerts Neuroprotective Effect in Glutamateâ€”affected Murine Primary Mesencephalic Cultures Through Restoring Mitochondrial Membrane Potential and Antiâ€”apoptosis Involving CB<sub>1</sub> Receptorâ€”dependent Mechanism. <i>Phytotherapy Research</i> , 2016, 30, 2044-2052.	2.8	11
74	Gender specific differences in the liver proteome of rats exposed to short term and low-concentration hexabromocyclododecane (HBCD). <i>Toxicology Research</i> , 2016, 5, 1273-1283.	0.9	11
75	Structure of the seminal pathway in the European chub, <i>Leuciscus cephalus</i> (Cyprinidae); Teleostei. <i>Journal of Morphology</i> , 2005, 263, 375-391.	0.6	10
76	Immunophenotypic Characterization of Peripheral Blast Cells in a Leukemic Miniature Pig. <i>Veterinary Pathology</i> , 2006, 43, 362-367.	0.8	10
77	Proteome analysis of <i>Aspergillus ochraceus</i> . <i>Mycotoxin Research</i> , 2010, 26, 171-180.	1.3	10
78	Transient Increase of Free Iron in Rat Livers Following Hemorrhagic-Traumatic Shock and Reperfusion Is Independent of Heme Oxygenase 1 Upregulation. <i>Shock</i> , 2011, 36, 501-509.	1.0	10
79	Proteomics of rat biological fluids â€” The tenth anniversary update. <i>Journal of Proteomics</i> , 2012, 75, 3113-3128.	1.2	10
80	A proteomic analysis of serum from dogs before and after a controlled weight-loss program. <i>Domestic Animal Endocrinology</i> , 2012, 43, 271-277.	0.8	10
81	Identification of the major regenerative III protein (RegIII) in the porcine intestinal mucosa as RegIII <sup>3</sup> , not RegIII <sup>±</sup> . <i>Veterinary Immunology and Immunopathology</i> , 2015, 167, 51-56.	0.5	10
82	In slow pace towards the proteome of equine body fluids. <i>Journal of Proteomics</i> , 2020, 225, 103880.	1.2	10
83	Neglected markers: Altered serum proteome in murine models of disease. <i>Proteomics</i> , 2012, 12, 691-707.	1.3	9
84	Investigation of corneal autoantibodies in horses with immune mediated keratitis (IMMK). <i>Veterinary Immunology and Immunopathology</i> , 2017, 187, 48-54.	0.5	9
85	Characterisation of <i>Sarcoptes scabiei</i> antigens. <i>Parasitology Research</i> , 2011, 108, 309-315.	0.6	8
86	Towards Understanding Non-Infectious Growth-Rate Retardation in Growing Pigs. <i>Proteomes</i> , 2019, 7, 31.	1.7	8
87	Comparing the applicability of CGEâ€”onâ€”chip and SDSâ€”PAGE for fast preâ€”screening of mouse serum samples prior to proteomics analysis. <i>Electrophoresis</i> , 2008, 29, 4332-4340.	1.3	7
88	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> , 2010, 878, 2314-2318.	1.2	7
89	Concentration and pattern changes of porcine serum apolipoprotein Aâ€” in four different infectious diseases. <i>Electrophoresis</i> , 2015, 36, 543-551.	1.3	7
90	Ultrathin-layer isoelectric focusing of enzymes in liver samples of wagtails ( <i>Motacilla flava</i> , ssp.). <i>Electrophoresis</i> , 1982, 3, 146-151.	1.3	6

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91	Immunomodulating Activity of 1,2-Difattyacyl-3-mercaptoglycerol Adducts. <i>Biological Chemistry Hoppe-Seyley</i> , 1992, 373, 1085-1094.	1.4	6
92	Elevated fructosamine concentrations caused by IgA paraproteinemia in two dogs. <i>Journal of Veterinary Science</i> , 2010, 11, 359.	0.5	6
93	Expression and Activity of Matrix Metalloproteinases in the Uterus of Bitches After Spontaneous and Induced Abortion. <i>Reproduction in Domestic Animals</i> , 2011, 46, 197-204.	0.6	5
94	How many spots with missing values can be tolerated in quantitative two-dimensional gel electrophoresis when applying univariate statistics?. <i>Journal of Proteomics</i> , 2012, 75, 1792-1802.	1.2	5
95	Contamination of therapeutic human immunoglobulin preparations with apolipoprotein H ( $\beta$ 2-glycoprotein I). <i>Electrophoresis</i> , 2014, 35, 515-521.	1.3	5
96	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> , 2017, 11, 845-853.	1.3	5
97	Gender proteomics II. Which proteins in sexual organs. <i>Journal of Proteomics</i> , 2018, 178, 18-30.	1.2	5
98	Exposure of intestinal explants to NX, but not to DON, enriches the secretome in mitochondrial proteins. <i>Archives of Toxicology</i> , 2022, 96, 2609-2619.	1.9	5
99	Continuous thrombin infusion leads to a bleeding phenotype in sheep. <i>Thrombosis Research</i> , 2012, 130, 226-236.	0.8	4
100	<sc>S100A4</sc> (metastasin) positive mesenchymal canine mammary tumour spheroids reduce Tenascin C synthesis under <sc>DMSO</sc> exposure <i>in vitro</i>. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 1428-1444.	0.8	4
101	MMTV accessory factor Naf affects cellular gene expression. <i>Virology</i> , 2006, 346, 139-150.	1.1	3
102	What if? Mouse proteomics after gene inactivation. <i>Journal of Proteomics</i> , 2019, 199, 102-122.	1.2	3
103	Motor Cortex and Hippocampus Display Decreased Heme Oxygenase Activity 2 Weeks After Ventricular Fibrillation Cardiac Arrest in Rats. <i>Frontiers in Medicine</i> , 2020, 7, 513.	1.2	3
104	Ezrin and moesin expression in canine and feline osteosarcoma. <i>Histology and Histopathology</i> , 2017, 32, 805-816.	0.5	3
105	Two-dimensional electrophoresis in small gels for applications in veterinary medicine. <i>Electrophoresis</i> , 1991, 12, 303-306.	1.3	2
106	Application of $\delta$ DIGE to survey the quality of biological medicines. <i>Proteomics</i> , 2011, 11, 2120-2123.	1.3	2
107	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> , 2016, 8, 1344-1347.	0.5	2
108	Proteomics in toxicology – Added value or waste of energies?. <i>Journal of Proteomics</i> , 2016, 137, 1-2.	1.2	2

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109	Forensics on wild animals: Differentiation between otter and pheasant blood using electrophoretic methods. <i>Electrophoresis</i> , 1995, 16, 865-868.	1.3	1
110	Two-dimensional electrophoresis for the study of blood/serum proteins of the otter, an endangered species. <i>Electrophoresis</i> , 1995, 16, 1193-1198.	1.3	1
111	Dataset of liver proteins changed in eu- and hypothyroid female rats upon in vivo exposure to hexabromocyclododecane (HBCD). <i>Data in Brief</i> , 2016, 7, 386-392.	0.5	1
112	Proteomics in Domestic Animals on a Farm to Systems Biology Perspective: Introductory Note. , 2018, , 1-5.		1
113	Self-Incompatibility in <i>Matricaria chamomilla</i> L. (Asteraceae) Is Linked to Differential Esterase Activity. <i>International Journal of Plant Sciences</i> , 2019, 180, 366-373.	0.6	1
114	Encore – Sex dependency of the proteome. <i>Journal of Proteomics</i> , 2020, 212, 103579.	1.2	1
115	Across the great divide: Proteomics becoming an essential tool for animal and veterinary sciences. <i>Journal of Proteomics</i> , 2021, 241, 104225.	1.2	1
116	Tissue Damage, Not Infection, Triggers Hepatic Unfolded Protein Response in an Experimental Rat Peritonitis Model. <i>Frontiers in Medicine</i> , 2022, 9, 785285.	1.2	1
117	Proteins of rat serum IV. Time-course of acute-phase protein expression and its modulation by indomethacine. , 0, , 266-273.		0
118	From Farm to Fork. , 2017, , 145-161.		0
119	Proteomic Research in Farm Animal Serum and Plasma. , 2018, , 103-119.		0
120	Editorial: A matter of ingredients. <i>Journal of Proteomics</i> , 2018, 178, 1-6.	1.2	0
121	Immunoglobulin Patterns in Health and Disease. , 2005, , 235-267.		0
122	Mining deeper into the proteome: pros and cons of pre-fractionation and depletion. , 2013, , 19-20.		0
123	Chapter 10: Intestinal health research and proteomics, a wellmatched couple. , 2015, , 229-252.		0