Ingrid Miller

List of Publications by Year
in descending order

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123 papers	3,003 citations	159358 30 h-index	197535 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?. Proteomics, 2006, 6, 5385-5408.	1.3	220
2	Animal board invited review: advances in proteomics for animal and food sciences. Animal, 2015, 9, 1-17.	1.3	143
3	Farm animal proteomics â€" A review. Journal of Proteomics, 2011, 74, 282-293.	1.2	131
4	Quantitative validation of different protein precipitation methods in proteome analysis of blood platelets. Electrophoresis, 2005, 26, 2481-2489.	1.3	99
5	Proteins of rat serum, urine, and cerebrospinal fluid: VI. Further protein identifications and interstrain comparison. Electrophoresis, 2001, 22, 3043-3052.	1.3	96
6	Strategies for proteomics with incompletely characterized genomes: the proteome of Bos taurus serum. Electrophoresis, 2002, 23, 3418-3427.	1.3	94
7	Acute-Phase Proteins Before Cerebral Ischemia in Stroke-Prone Rats. Stroke, 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. Journal of Neuroscience Research, 2004, 78, 115-122.	1.3	78
9	Biological Variation of the Platelet Proteome in the Elderly Population and Its Implication for Biomarker Research. Molecular and Cellular Proteomics, 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. Electrophoresis, 1998, 19, 1484-1492.	1.3	67
11	A proteomic reference map for pig serum proteins as a prerequisite for diagnostic applications. Research in Veterinary Science, 2009, 86, 362-367.	0.9	57
12	The serum proteome ofEquus caballus. Proteomics, 2004, 4, 3227-3234.	1.3	54
13	Reference maps of mouse serum acute-phase proteins: Changes with LPS-induced inflammation and apolipoproteinâ€...A-I and A-II transgenes. Proteomics, 2005, 5, 4245-4253.	1.3	53
14	With or without you â€" Proteomics with or without major plasma/serum proteins. Journal of Proteomics, 2016, 140, 62-80.	1.2	53
15	Two-dimensional electrophoresis of cat sera: Protein identification by cross reacting antibodies against human serum proteins. Electrophoresis, 1992, 13, 450-453.	1.3	52
16	Monitoring the effects of drug treatment in rat models of disease by serum protein analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 771, 107-130.	1.2	48
17	Endotoxin causes functional endoplasmic reticulum failure, possibly mediated by mitochondria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 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. Electrophoresis, 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. Water Research, 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. Antioxidants and Redox Signaling, 2015, 22, 572-586.	2.5	45
21	Proteomics, a new tool for farm animal science. Journal of Proteomics, 2012, 75, 4187-4189.	1.2	44
22	Proteins of rat serum: II. Influence of some biological parameters of the two-dimensional electrophoresis pattern. Electrophoresis, 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. Molecular Medicine, 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. Shock, 2010, 33, 289-298.	1.0	37
25	Pig Î±1-Acid Glycoprotein: Characterization and First Description in Any Species as a Negative Acute Phase Protein. PLoS ONE, 2013, 8, e68110.	1.1	37
26	Detecting oxidative post-translational modifications in proteins. Amino Acids, 2007, 33, 51-56.	1.2	36
27	Matrix Metalloproteinase (MMP)-2 and MMP-9 Activity in the Canine Uterus Before and During Placentation. Reproduction in Domestic Animals, 2007, 42, 654-659.	0.6	33
28	Proteomic analysis of porcine saliva. Veterinary Journal, 2011, 187, 356-362.	0.6	33
29	Proteins of rat serum V: Adjuvant arthritis and its modulation by nonsteroidal anti-inflammatory drugs. Electrophoresis, 2000, 21, 2170-2180.	1.3	32
30	Detection of potential markers for systemic disease in saliva of pigs by proteomics: A pilot study. Veterinary Immunology and Immunopathology, 2013, 151, 73-82.	0.5	32
31	Major urinary protein (MUP) profiles show dynamic changes rather than individual â€œbarcodeâ€• signatures. Frontiers in Ecology and Evolution, 2015, 3, .	1.1	31
32	Proteins of rat serum IV. Time-course of acute-phase protein expression and its modulation by indomethacine. Electrophoresis, 1999, 20, 846-853.	1.3	30
33	Downregulation of Cellular Protective Factors of Rumen Epithelium in Goats Fed High Energy Diet. PLoS ONE, 2013, 8, e81602.	1.1	30
34	Peculiarities in electrophoretic behavior of different serum albumins. Electrophoresis, 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. Experimental and Molecular Pathology, 2007, 82, 33-41.	0.9	28
36	Expression of Vascular Endothelial Growth Factor and its Receptors in Canine Lymphoma. Journal of Comparative Pathology, 2007, 137, 30-40.	0.1	28

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37	Application of 2D DIGE in Animal Proteomics. Methods in Molecular Biology, 2012, 854, 373-396.	0.4	27
38	The Rabbit as an Experimental and Production Animal: From Genomics to Proteomics. Current Protein and Peptide Science, 2014, 15, 134-145.	0.7	26
39	Diversity of major urinary proteins (MUPs) in wild house mice. Scientific Reports, 2016, 6, 38378.	1.6	25
40	Growth promotion in pigs by oxytetracycline coincides with down regulation of serum inflammatory parameters and of hibernationâ€associated protein HPâ€27. Electrophoresis, 2016, 37, 1277-1286.	1.3	25
41	Tyrosine Kinase 2 Controls IL-1Î² Production at the Translational Level. Journal of Immunology, 2010, 185, 3544-3553.	0.4	24
42	In between â€" Proteomics of dog biological fluids. Journal of Proteomics, 2014, 106, 30-45.	1.2	24
43	Hexabromocyclododecane (HBCD) induced changes in the liver proteome of eu- and hypothyroid female rats. Toxicology Letters, 2016, 245, 40-51.	0.4	24
44	Other than IPGâ€ÐALT: 2â€ÐE variants. Proteomics, 2010, 10, 586-610.	1.3	23
45	Opposite effects of endotoxin on mitochondrial and endoplasmic reticulum functions. Biochemical and Biophysical Research Communications, 2007, 352, 91-96.	1.0	21
46	Glycosaminoglycan-Mediated Downstream Signaling of CXCL8 Binding to Endothelial Cells. International Journal of Molecular Sciences, 2017, 18, 2605.	1.8	21
47	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. Electrophoresis, 2006, 27, 1626-1629.	1.3	20
48	Host-pathogen interplay at primary infection sites in pigs challenged with Actinobacillus pleuropneumoniae. BMC Veterinary Research, 2016, 13, 64.	0.7	19
49	Nonreducing two-dimensional gel electrophoresis for the detection of Bence Jones proteins in serum and urine. Proteomics, 2004, 4, 257-260.	1.3	18
50	Hemolymph proteins: An overview across marine arthropods and molluscs. Journal of Proteomics, 2021, 245, 104294.	1.2	18
51	A web site for the Rat Serum Protein Study Group. Electrophoresis, 1999, 20, 3599-3602.	1.3	17
52	Proteome analysis of rat liver mitochondria reveals a possible compensatory response to endotoxic shock. FEBS Letters, 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). Journal of Proteomics, 2011, 74, 2866-2880.	1.2	17
54	Structural transitions of human serum albumin: An investigation using electrophoretic techniques. Electrophoresis, 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. Electrophoresis, 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. Journal of Proteomics, 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. Oncology Reports, 2014, 31, 1147-1156.	1.2	15
58	Expression of Progesterone Receptor Membrane Component 1 (PGRMC1), Progestin and AdipoQ Receptor 7 (PAQPR7), and Plasminogen Activator Inhibitor 1 RNA-Binding Protein (PAIRBP1) in Glioma SpheroidsIn Vitro. BioMed Research International, 2016, 2016, 1-12.	0.9	15
59	Comparative proteome analysis of monolayer and spheroid culture of canine osteosarcoma cells. Journal of Proteomics, 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). Proteomics, 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. American Journal of Physiology - Renal Physiology, 2012, 303, G1373-G1383.	1.6	13
62	A proteomic portrait of atherosclerosis. Journal of Proteomics, 2013, 82, 92-112.	1.2	13
63	Usefulness of DIGE for the detection of protein profile in retained and released bovine placental tissues. Placenta, 2015, 36, 246-249.	0.7	13
64	Actinobacillus pleuropneumoniae triggers IL-10 expression in tonsils to mediate colonisation and persistence of infection in pigs. Veterinary Immunology and Immunopathology, 2018, 205, 17-23.	0.5	13
65	Some more about dogs: Proteomics of neglected biological fluids. Journal of Proteomics, 2020, 218, 103724.	1.2	13
66	Domestic animal proteomics in the 21st century: A global retrospective and viewpoint analysis. Journal of Proteomics, 2021, 241, 104220.	1.2	13
67	Low-tech electrophoresis, small but beautiful, and effective: Electrophoretic titration curves of proteins. Electrophoresis, 1999, 20, 1325-1338.	1.3	12
68	Proteomics of lung physiopathology. Proteomics, 2008, 8, 5053-5073.	1.3	12
69	In silico prediction and characterization of protein post-translational modifications. Journal of Proteomics, 2016, 134, 65-75.	1.2	12
70	Gender proteomics I. Which proteins in non-sexual organs. Journal of Proteomics, 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. Antioxidants, 2020, 9, 135.	2.2	12
72	The Added Value of Proteomics for Toxicological Studies. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 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 CB₁ Receptorâ€dependent Mechanism. Phytotherapy Research, 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). Toxicology Research, 2016, 5, 1273-1283.	0.9	11
75	Structure of the seminal pathway in the European chub,Leuciscus cephalus (Cyprinidae); Teleostei. Journal of Morphology, 2005, 263, 375-391.	0.6	10
76	Immunophenotypic Characterization of Peripheral Blast Cells in a Leukemic Miniature Pig. Veterinary Pathology, 2006, 43, 362-367.	0.8	10
77	Proteome analysis of Aspergillus ochraceus. Mycotoxin Research, 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. Shock, 2011, 36, 501-509.	1.0	10
79	Proteomics of rat biological fluids â€" The tenth anniversary update. Journal of Proteomics, 2012, 75, 3113-3128.	1.2	10
80	A proteomic analysis of serum from dogs before and after a controlled weight-loss program. Domestic Animal Endocrinology, 2012, 43, 271-277.	0.8	10
81	Identification of the major regenerative III protein (RegIII) in the porcine intestinal mucosa as RegIIIÎ³, not RegIIIÎ±. Veterinary Immunology and Immunopathology, 2015, 167, 51-56.	0.5	10
82	In slow pace towards the proteome of equine body fluids. Journal of Proteomics, 2020, 225, 103880.	1.2	10
83	Neglected markers: Altered serum proteome in murine models of disease. Proteomics, 2012, 12, 691-707.	1.3	9
84	Investigation of corneal autoantibodies in horses with immune mediated keratitis (IMMK). Veterinary Immunology and Immunopathology, 2017, 187, 48-54.	0.5	9
85	Characterisation of Sarcoptes scabiei antigens. Parasitology Research, 2011, 108, 309-315.	0.6	8
86	Towards Understanding Non-Infectious Growth-Rate Retardation in Growing Pigs. Proteomes, 2019, 7, 31.	1.7	8
87	Comparing the applicability of CGEâ€onâ€theâ€chip and SDSâ€PAGE for fast preâ€screening of mouse serum samples prior to proteomics analysis. Electrophoresis, 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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2314-2318.	1.2	7
89	Concentration and pattern changes of porcine serum apolipoprotein Aâ€in four different infectious diseases. Electrophoresis, 2015, 36, 543-551.	1.3	7
90	Ultrathin-layer isoelectric focusing of enzymes in liver samples of wagtails (Motacilla flava, ssp.). Electrophoresis, 1982, 3, 146-151.	1.3	6

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91	Immunomodulating Activity of 1,2-Difattyacyl-3-mercaptoglycerol Adducts. Biological Chemistry Hoppe-Seyler, 1992, 373, 1085-1094.	1.4	6
92	Elevated fructosamine concentrations caused by IgA paraproteinemia in two dogs. Journal of Veterinary Science, 2010, 11, 359.	0.5	6
93	Expression and Activity of Matrix Metalloproteinases in the Uterus of Bitches After Spontaneous and Induced Abortion. Reproduction in Domestic Animals, 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?. Journal of Proteomics, 2012, 75, 1792-1802.	1.2	5
95	Contamination of therapeutic human immunoglobulin preparations with apolipoprotein H (Î²2-glycoprotein I). Electrophoresis, 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. Animal, 2017, 11, 845-853.	1.3	5
97	Gender proteomics II. Which proteins in sexual organs. Journal of Proteomics, 2018, 178, 18-30.	1.2	5
98	Exposure of intestinal explants to NX, but not to DON, enriches the secretome in mitochondrial proteins. Archives of Toxicology, 2022, 96, 2609-2619.	1.9	5
99	Continuous thrombin infusion leads to a bleeding phenotype in sheep. Thrombosis Research, 2012, 130, 226-236.	0.8	4
100	<scp>S100A4</scp> (metastasin) positive mesenchymal canine mammary tumour spheroids reduce Tenascin C synthesis under <scp>DMSO</scp> exposure in vitro. Veterinary and Comparative Oncology, 2017, 15, 1428-1444.	0.8	4
101	MMTV accessory factor Naf affects cellular gene expression. Virology, 2006, 346, 139-150.	1.1	3
102	What if? Mouse proteomics after gene inactivation. Journal of Proteomics, 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. Frontiers in Medicine, 2020, 7, 513.	1.2	3
104	Ezrin and moesin expression in canine and feline osteosarcoma. Histology and Histopathology, 2017, 32, 805-816.	0.5	3
105	Two-dimensional electrophoresis in small gels for applications in veterinary medicine. Electrophoresis, 1991, 12, 303-306.	1.3	2
106	Application of 2â€Ð DIGE to survey the quality of biological medicines. Proteomics, 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. Data in Brief, 2016, 8, 1344-1347.	0.5	2
108	Proteomics in toxicology â€" Added value or waste of energies?. Journal of Proteomics, 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. Electrophoresis, 1995, 16, 865-868.	1.3	1
110	Two-dimensional electrophoresis for the study of blood/serum proteins of the otter, an endangered species. Electrophoresis, 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). Data in Brief, 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 inMatricaria chamomillaL. (Asteraceae) Is Linked to Differential Esterase Activity. International Journal of Plant Sciences, 2019, 180, 366-373.	0.6	1
114	Encore â€“ Sex dependency of the proteome. Journal of Proteomics, 2020, 212, 103579.	1.2	1
115	Across the great divide: Proteomics becoming an essential tool for animal and veterinary sciences. Journal of Proteomics, 2021, 241, 104225.	1.2	1
116	Tissue Damage, Not Infection, Triggers Hepatic Unfolded Protein Response in an Experimental Rat Peritonitis Model. Frontiers in Medicine, 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. Journal of Proteomics, 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