Paolo Iadarola

List of Publications by Year
in descending order

106	2,257	201674	289244
papers	citations	27 h-index	40 g-index

109	109	109	3034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of human nasal mucous proteins using proteomics. Proteomics, 2005, 5, 2949-2959.	2.2	113
2	Alveolar inflammation in cystic fibrosis. Journal of Cystic Fibrosis, 2010, 9, 217-227.	0.7	103
3	Adequate energyâ€protein intake is not enough to improve nutritional and metabolic status in muscleâ€depleted patients with chronic heart failure. European Journal of Heart Failure, 2008, 10, 1127-1135.	7.1	82
4	Effect of essential amino acid supplementation on quality of life, Amino acid profile and strength in institutionalized elderly patients. Clinical Nutrition, 2011, 30, 571-577.	5.0	76
5	Branched-Chain Amino Acids Enhance the Cognitive Recovery of Patients With Severe Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2005, 86, 1729-1735.	0.9	66
6	Branched-Chain Amino Acids May Improve Recovery From a Vegetative or Minimally Conscious State in Patients With Traumatic Brain Injury: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1642-1647.	0.9	64
7	Inhibition of Human Neutrophil Elastase by Erythromycin and Flurythromycin, Two Macrolide Antibiotics. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 492-499.	2.9	63
8	Protein Expression in Sputum of Smokers and Chronic Obstructive Pulmonary Disease Patients: A Pilot Study by CapLC-ESI-Q-TOF. Journal of Proteome Research, 2007, 6, 4615-4623.	3.7	61
9	Nutrition for Brain Recovery After Ischemic Stroke. Nutrition in Clinical Practice, 2011, 26, 339-345.	2.4	58
10	Profiling the Proteome of Exhaled Breath Condensate in Healthy Smokers and COPD Patients by LC-MS/MS. International Journal of Molecular Sciences, 2012, 13, 13894-13910.	4.1	51
11	High-performance liquid chromatography and capillary electrophoresis: Methodological challenges for the determination of biologically relevant low-aliphatic aldehydes in human saliva. Electrophoresis, 2004, 25, 1255-1263.	2.4	39
12	Analysis of the sinusitis nasal lavage fluid proteome using capillary liquid chromatography interfaced to electrospray ionization-quadrupole time of flight- tandem mass spectrometry. Electrophoresis, 2004, 25, 1386-1393.	2.4	38
13	Ex vivo evaluation of prolidase loaded chitosan nanoparticles for the enzyme replacement therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 58-65.	4.3	38
14	Protein supplementation may enhance the spontaneous recovery of neurological alterations in patients with ischaemic stroke. Clinical Rehabilitation, 2008, 22, 1042-1050.	2.2	38
15	Proteomic analysis of exhaled breath condensate from single patients with pulmonary emphysema associated to Î±1-antitrypsin deficiency. Journal of Proteomics, 2008, 71, 211-221.	2.4	36
16	Reduced plasma levels of tyrosine, precursor of brain catecholamines, and of essential amino acids in patients with severe traumatic brain injury after rehabilitation11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the authors(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2003, 84, 1258-1265.	0.9	35
17	High levels of desmosines in urine and plasma of patients with pseudoxanthoma elasticum. European Journal of Clinical Investigation, 2004, 34, 156-164.	3.4	33
18	Capillary electrophoresis with laser-induced fluorescence detection as a novel sensitive approach for the analysis of desmosines in real samples. Electrophoresis, 2004, 25, 683-691.	2.4	33

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19	The developmental neurotoxicity study of platinum compounds. Effects of cisplatin versus a novel Pt(II) complex on rat cerebellum. Neurotoxicology and Teratology, 2011, 33, 273-281.	2.4	33
20	¹H NMR To Explore the Metabolome of Exhaled Breath Condensate in Î±₁-Antitrypsin Deficient Patients: A Pilot Study. Journal of Proteome Research, 2016, 15, 4569-4578.	3.7	33
21	Micellar electrokinetic chromatography for the determination of urinary desmosine and isodesmosine in patients affected by chronic obstructive pulmonary disease. Biomedical Applications, 1998, 714, 87-98.	1.7	31
22	The role of emerging techniques in the investigation of prolidase deficiency: From diagnosis to the development of a possible therapeutical approach. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 832, 1-8.	2.3	31
23	Effect of calorie-protein supplementation on the cognitive recovery of patients with subacute stroke. Nutritional Neuroscience, 2008, 11, 235-240.	3.1	30
24	Long-term Variability of Desmosine/Isodesmosine as Biomarker in Alpha-1-antritrypsin Deficiencyâ€“related COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 8, 329-333.	1.6	30
25	Progress in the methodological strategies for the detection in real samples of desmosine and isodesmosine, two biological markers of elastin degradation. Journal of Separation Science, 2007, 30, 202-213.	2.5	29
26	Effects of oral amino acid supplementation on long-term-care-acquired infections in elderly patients. Archives of Gerontology and Geriatrics, 2011, 52, e123-e128.	3.0	29
27	Preserved muscle protein metabolism in obese patients with chronic heart failure. International Journal of Cardiology, 2012, 160, 102-108.	1.7	28
28	Ixodes ricinus and Its Endosymbiont Midichloria mitochondrii: A Comparative Proteomic Analysis of Salivary Glands and Ovaries. PLoS ONE, 2015, 10, e0138842.	2.5	27
29	Normalization of zinc intake enhances neurological retrieval of patients suffering from ischemic strokes. Nutritional Neuroscience, 2009, 12, 219-225.	3.1	26
30	¹H NMR To Evaluate the Metabolome of Bronchoalveolar Lavage Fluid (BALf) in Bronchiolitis Obliterans Syndrome (BOS): Toward the Development of a New Approach for Biomarker Identification. Journal of Proteome Research, 2017, 16, 1669-1682.	3.7	26
31	Collagenase production in an antarctic strain of Arthrobotrys tortor Jarowaja. Mycopathologia, 2002, 153, 157-162.	3.1	25
32	Intracellular delivery of liposome-encapsulated prolidase in cultured fibroblasts from prolidase-deficient patients. Journal of Controlled Release, 2005, 102, 181-190.	9.9	25
33	Micellar electrokinetic chromatographic and capillary zone electrophoretic methods for screening urinary biomarkers of human disorders: A critical review of the state-of-the-art. Electrophoresis, 2005, 26, 752-766.	2.4	25
34	Micellar electrokinetic chromatography: A convenient alternative to colorimetric and high performance liquid chromatographic detection to monitor protease activity. Electrophoresis, 1998, 19, 2083-2089.	2.4	24
35	Short-term variability of biomarkers of proteinase activity in patients with emphysema associated with type Z alpha-1-antitrypsin deficiency. Respiratory Research, 2005, 6, 47.	3.6	24
36	Supplementation of Essential Amino Acids May Reduce the Occurrence of Infections in Rehabilitation Patients With Brain Injury. Nutrition in Clinical Practice, 2012, 27, 99-113.	2.4	24

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37	Advances in the analysis of â€œlessâ€conventionalâ€•human body fluids: An overview of the CEâ€•and HPLCâ€MS applications in the years 2015â€“2017. Electrophoresis, 2018, 39, 160-178.	2.4	24
38	Functional analysis of pyrimidine 5â€²-nucleotidase mutants causing nonspherocytic hemolytic anemia. Blood, 2005, 105, 3340-3345.	1.4	23
39	Determination of amino acids by micellar EKC: Recent advances in method development and novel applications to different matrices. Electrophoresis, 2008, 29, 224-236.	2.4	22
40	MEKC: A powerful tool for the determination of amino acids in a variety of biomatrices. Electrophoresis, 2010, 31, 93-104.	2.4	22
41	2-DE and LC-MS/MS for a Comparative Proteomic Analysis of BALf from Subjects with Different Subsets of Inflammatory Myopathies. Journal of Proteome Research, 2009, 8, 2331-2340.	3.7	21
42	Protein networks in induced sputum from smokers and COPD patients. International Journal of COPD, 2015, 10, 1957.	2.3	21
43	Recent applications of CEâ€•and HPLCâ€MS in the analysis of human fluids. Electrophoresis, 2016, 37, 212-230.	2.4	21
44	Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure. Journal of the American College of Cardiology, 2005, 45, 158-160.	2.8	19
45	Proteomics-based diagnosis of chronic obstructive pulmonary disease: the hunt for new markers. Expert Review of Proteomics, 2008, 5, 693-704.	3.0	19
46	Complete resolution of imidodipeptide mixtures in urine of prolidase-deficient patients using micellar electrokinetic chromatography. Journal of Chromatography A, 1997, 768, 57-66.	3.7	18
47	Ei¬„ux-mediated resistance to a benzothiadiazol derivative effective against Burkholderia cenocepacia. Frontiers in Microbiology, 2015, 6, 815.	3.5	18
48	Peripheral plasma amino acid abnormalities in rehabilitation patients with severe brain injury. Archives of Physical Medicine and Rehabilitation, 2000, 81, 176-181.	0.9	17
49	Limited Proteolysis of Chloroplast Glyceraldehyde-3-phosphate Dehydrogenase (NADP) fromSpinacia oleracea. Biological Chemistry Hoppe-Seyler, 1993, 374, 395-402.	1.4	16
50	Recent novel MEKC applications to analyze free amino acids in different biomatrices: 2009â€“2010. Electrophoresis, 2012, 33, 36-47.	2.4	16
51	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity. Scientific Reports, 2022, 12, 381.	3.3	16
52	Deciphering the proteomic profile of rice (Oryza sativa) bran: A pilot study. Electrophoresis, 2009, 30, 4083-4094.	2.4	14
53	2â€DE and MALDIâ€TOFâ€MS for a comparative analysis of proteins expressed in different cellular models of amyotrophic lateral sclerosis. Electrophoresis, 2007, 28, 4320-4329.	2.4	13
54	Proteomic Analysis of Lymphoblastoid Cells from Nasu-Hakola Patients: A Step Forward in Our Understanding of This Neurodegenerative Disorder. PLoS ONE, 2014, 9, e110073.	2.5	13

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55	Identification of Novel Short C-Terminal Transcripts of Human SERPINA1 Gene. PLoS ONE, 2017, 12, e0170533.	2.5	13
56	Differences in Amino Acid Loss Between High-Efficiency Hemodialysis and Postdilution and Predilution Hemodiafiltration Using High Convection Volume Exchangeâ€"A New Metabolic Scenario? A Pilot Study. , 2019, 29, 126-135.		13
57	Differences and Effects of Metabolic Fate of Individual Amino Acid Loss in High-Efficiency Hemodialysis and Hemodiafiltration. , 2020, 30, 440-451.		13
58	Proteolytic and partial sequencing studies of the bifunctional dihydrofolate reductase-thymidylate synthase from Daucus carota. Plant Molecular Biology, 1991, 16, 975-982.	3.9	12
59	Pyrimidine 5'-nucleotidase activities detected in real samples by means of micellar electrokinetic chromatography. Electrophoresis, 2004, 25, 3270-3276.	2.4	12
60	Urinary electrophoretic profiles from chronic fatigue syndrome and chronic fatigue syndrome/fibromyalgia patients: a pilot study for achieving their normalization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 814, 43-51.	2.3	12
61	Plasma kinetic of ingested essential amino acids in healthy elderly people. Aging Clinical and Experimental Research, 2013, 25, 711-714.	2.9	12
62	Do the complementarities of electrokinetic and chromatographic procedures represent the â€œSwiss knifeâ€•in proteomic investigation? An overview of the literature in the past decade. Electrophoresis, 2017, 38, 1538-1550.	2.4	12
63	Proteomic Analysis of Human Sputum for the Diagnosis of Lung Disorders: Where Are We Today?. International Journal of Molecular Sciences, 2022, 23, 5692.	4.1	12
64	Separation of fragments from human serum albumin and its charged variants by reversed-phase and cation-exchange high-performance liquid chromatography. Journal of Chromatography A, 1990, 512, 165-176.	3.7	11
65	Plasma precursors of brain catecholaminergic and serotonergic neurotransmitters in rehabilitation patients with ischemic stroke11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. Archives of Physical Medicine and Rehabilitation, 2004, 85, 779-784.	0.9	11
66	Is stroke rehabilitation a metabolic problem?. Brain Injury, 2014, 28, 161-173.	1.2	11
67	An Essential Lysine in the Substrate-Binding Site of Ornithine Carbamoyltransferase. FEBS Journal, 1996, 239, 397-402.	0.2	10
68	Î±1-Antitrypsin in serum determined by capillary isoelectric focusing. Electrophoresis, 2000, 21, 3318-3326.	2.4	10
69	A rapid MEKC method for the simultaneous determination of creatinine, 1â€•and 3â€•methylhistidine in human urine. Electrophoresis, 2009, 30, 654-656.	2.4	10
70	Spontaneous neurocognitive retrieval of patients with sub-acute ischemic stroke is associated with dietary protein intake. Nutritional Neuroscience, 2010, 13, 129-134.	3.1	10
71	High-performance liquid chromatography of complex mixtures of cyanogen bromide-produced peptides from different proteins. Journal of Chromatography A, 1988, 443, 317-328.	3.7	8
72	Separation of closely related peptide substrates of human proteinases by micellar electrokinetic chromatography with anionic and nonionic surfactants. Electrophoresis, 2000, 21, 1985-1991.	2.4	8

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73	SP-A binds alpha1-antitrypsin in vitro and reduces the association rate constant for neutrophil elastase. Respiratory Research, 2005, 6, 146.	3.6	8
74	Advances in proteomic techniques for biomarker discovery in COPD. Expert Review of Clinical Immunology, 2011, 7, 111-123.	3.0	7
75	Micellar Electrokinetic Chromatography with Laser Induced Detection and liquid chromatography tandem mass-spectrometry-based desmosine assays in urine of patients with Chronic Obstructive Pulmonary Disease: A comparative analysis. Journal of Chromatography A, 2012, 1266, 103-109.	3.7	7
76	Lung anabolic activity in patients with chronic heart failure: Potential implications for clinical practice. Nutrition, 2012, 28, 1002-1007.	2.4	7
77	Correlation of deglutition in subacute ischemic stroke patients with peripheral blood adaptive immunity: Essential amino acid improvement. International Journal of Immunopathology and Pharmacology, 2015, 28, 576-583.	2.1	7
78	Methods of Purification and Application Procedures of Alpha1 Antitrypsin: A Long-Lasting History. Molecules, 2020, 25, 4014.	3.8	7
79	Is the Brain Undernourished in Alzheimerâ€™s Disease?. Nutrients, 2022, 14, 1872.	4.1	7
80	Rapid detection of ornithine transcarbamylase activity by micellar electrokinetic chromatography. Electrophoresis, 1999, 20, 138-144.	2.4	6
81	Diagnosis of late-infantile neuronal ceroid lipofuscinosis: A new sensitive method to assay lysosomal pepstatin-insensitive proteinase activity in human and animal specimens by capillary electrophoresis. Electrophoresis, 2001, 22, 2343-2350.	2.4	6
82	Proteomics as an innovative tool to investigate frontotemporal disorders. Proteomics - Clinical Applications, 2016, 10, 457-469.	1.6	6
83	Spit it out! How could the sputum proteome aid clinical research into pulmonary diseases?. Expert Review of Proteomics, 2017, 14, 391-393.	3.0	6
84	Advances in Identifying Urine/Serum Biomarkers in Alpha-1 Antitrypsin Deficiency for More Personalized Future Treatment Strategies. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2017, 14, 56-65.	1.6	6
85	A Pilot Study to Investigate the Balance between Proteases and Î±1-Antitrypsin in Bronchoalveolar Lavage Fluid of Lung Transplant Recipients. High-Throughput, 2019, 8, 5.	4.4	6
86	Protease-Specific Biomarkers to Analyse Protease Inhibitors for Emphysema Associated with Alpha 1-Antitrypsin Deficiency. An Overview of Current Approaches. International Journal of Molecular Sciences, 2021, 22, 1065.	4.1	6
87	Effect of exogenous amino acids on the intracellular content of proline and other amino acids in Daucus carota cells. Plant Cell Reports, 1989, 8, 422-424.	5.6	5
88	From micellar electrokinetic chromatography to liquid chromatographyâ€mass spectrometry: <scp>R</scp>evisiting the way of analyzing human fluids for the search of desmosines, putative biomarkers of chronic obstructive pulmonary disease. Electrophoresis, 2014, 35, 109-118.	2.4	5
89	Myofibrillar protein overdegradation in overweight patients with chronic heart failure: The relationship to serum potassium levels. Nutrition, 2014, 30, 436-439.	2.4	5
90	Searching for biomarkers of chronic obstructive pulmonary disease using proteomics: The current state. Electrophoresis, 2019, 40, 151-164.	2.4	5

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91	Investigating the Link between Alpha-1 Antitrypsin and Human Neutrophil Elastase in Bronchoalveolar Lavage Fluid of COVID-19 Patients. Current Issues in Molecular Biology, 2022, 44, 2122-2138.	2.4	5
92	Micellar electrokinetic chromatography for analyzing active site specificity ofPseudomonas aeruginosa elastase. Electrophoresis, 1999, 20, 1578-1585.	2.4	4
93	The role of desmosines as biomarkers for chronic obstructive pulmonary disease. Expert Review of Respiratory Medicine, 2013, 7, 137-144.	2.5	4
94	Conductivity in Exhaled Breath Condensate from Subjects with Emphysema and Type ZZ alpha-1-Antitrypsin Deficiency. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2015, 12, 32-35.	1.6	4
95	An insight into the abundant proteome of 46BR.1G1 fibroblasts deficient of DNA ligase I. Electrophoresis, 2012, 33, 307-315.	2.4	3
96	Optimizing separation efficiency of 2â€ÐE procedures for visualization of different superoxide dismutase forms in a cellular model of amyotrophic lateral sclerosis. Electrophoresis, 2007, 28, 4340-4347.	2.4	2
97	The â€œHistoryâ€•of Desmosines: Forty Years of Debate on the Hypothesis That These Two Unnatural Amino Acids May Be Potential Biomarkers of Chronic Obstructive Pulmonary Disease. , 0, , .		2
98	A Shotgun Proteomic Platform for a Global Mapping of Lymphoblastoid Cells to Gain Insight into Nasu-Hakola Disease. International Journal of Molecular Sciences, 2021, 22, 9959.	4.1	2
99	Micellar electrokinetic chromatography as a complementary method to sodium dodecyl sulfate-polyacrylamide gel electrophoresis for studying limited proteolysis of proteins. Electrophoresis, 1999, 20, 2400-2406.	2.4	1
100	CAPILLARY ELECTROPHORESIS AS A MODERN TOOL FOR DETERMINING PROTEOLYTIC ACTIVITIES IN PURIFIED SPECIMENS AND IN REAL SAMPLES. Journal of Liquid Chromatography and Related Technologies, 2002, 25, 1919-1945.	1.0	1
101	Respiratory Proteomics Today: Are Technological Advances for the Identification of Biomarker Signatures Catching up with Their Promise? A Critical Review of the Literature in the Decade 2004â€“2013. Proteomes, 2014, 2, 18-52.	3.5	1
102	Could Proteomics Become a Future Useful Tool to Shed Light on the Mechanisms of Rare Neurodegenerative Disorders?. High-Throughput, 2018, 7, 2.	4.4	1
103	Change of Title: From High-Throughput to BioTech. BioTech, 2020, 9, 18.	2.6	1
104	Bronchoalveolar Lavage Fluid in Children: Comparative Proteomic Analysis in Infectious and Non-Infectious Lung Disease. Pediatric, Allergy, Immunology, and Pulmonology, 2018, 31, 15-23.	0.8	0
105	The Role of One- and Two-Dimensional Electrophoretic Techniques in Proteomics of the Lung. , 0, , .		0
106	P1600KIDNEY PERFUSION WITH MESENCHYMAL STROMAL CELLS OR EXTRACELLULAR VESICLES PREVENTS ISCHAEMIC DAMAGE THROUGH CD73/ADO SYSTEM IN A RAT MODEL OF DCD DONATION. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0