

Paolo Iadarola

List of Publications by Year in descending order

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106
papers

2,257
citations

201674

27
h-index

289244

40
g-index

109
all docs

109
docs citations

109
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity. Scientific Reports, 2022, 12, 381.	3.3	16
2	Is the Brain Undernourished in Alzheimer's Disease?. Nutrients, 2022, 14, 1872.	4.1	7
3	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
4	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
5	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
6	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
7	Differences and Effects of Metabolic Fate of Individual Amino Acid Loss in High-Efficiency Hemodialysis and Hemodiafiltration. , 2020, 30, 440-451.		13
8	Methods of Purification and Application Procedures of Alpha1 Antitrypsin: A Long-Lasting History. Molecules, 2020, 25, 4014.	3.8	7
9	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
10	Change of Title: From High-Throughput to BioTech. BioTech, 2020, 9, 18.	2.6	1
11	A Pilot Study to Investigate the Balance between Proteases and \pm 1-Antitrypsin in Bronchoalveolar Lavage Fluid of Lung Transplant Recipients. High-Throughput, 2019, 8, 5.	4.4	6
12	Searching for biomarkers of chronic obstructive pulmonary disease using proteomics: The current state. Electrophoresis, 2019, 40, 151-164.	2.4	5
13	Differences in Amino Acid Loss Between High-Efficiency Hemodialysis and Postdilution and Predilution Hemodiafiltration Using High Convection Volume Exchange" A New Metabolic Scenario? A Pilot Study. , 2019, 29, 126-135.		13
14	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
15	Advances in the analysis of "conventional" human body fluids: An overview of the CE and HPLC-MS applications in the years 2015-2017. Electrophoresis, 2018, 39, 160-178.	2.4	24
16	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
17	Do the complementarities of electrokinetic and chromatographic procedures represent the "Swiss knife" in proteomic investigation? An overview of the literature in the past decade. Electrophoresis, 2017, 38, 1538-1550.	2.4	12
18	¹ H 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

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19	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
20	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
21	Identification of Novel Short C-Terminal Transcripts of Human SERPINA1 Gene. PLoS ONE, 2017, 12, e0170533.	2.5	13
22	Recent applications of CE and HPLC-MS in the analysis of human fluids. Electrophoresis, 2016, 37, 212-230.	2.4	21
23	Proteomics as an innovative tool to investigate frontotemporal disorders. Proteomics - Clinical Applications, 2016, 10, 457-469.	1.6	6
24	¹ H NMR To Explore the Metabolome of Exhaled Breath Condensate in α -1-Antitrypsin Deficient Patients: A Pilot Study. Journal of Proteome Research, 2016, 15, 4569-4578.	3.7	33
25	Protein networks in induced sputum from smokers and COPD patients. International Journal of COPD, 2015, 10, 1957.	2.3	21
26	γ -irradiation-mediated resistance to a benzothiadiazol derivative effective against Burkholderia cenocepacia. Frontiers in Microbiology, 2015, 6, 815.	3.5	18
27	Conductivity in Exhaled Breath Condensate from Subjects with Emphysema and Type ZZ α -1-Antitrypsin Deficiency. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2015, 12, 32-35.	1.6	4
28	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
29	Ixodes ricinus and Its Endosymbiont Midichloria mitochondrii: A Comparative Proteomic Analysis of Salivary Glands and Ovaries. PLoS ONE, 2015, 10, e0138842.	2.5	27
30	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
31	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 2004-2013. Proteomes, 2014, 2, 18-52.	3.5	1
32	Is stroke rehabilitation a metabolic problem?. Brain Injury, 2014, 28, 161-173.	1.2	11
33	From micellar electrokinetic chromatography to liquid chromatography-mass spectrometry: revisiting 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
34	Myofibrillar protein overdegradation in overweight patients with chronic heart failure: The relationship to serum potassium levels. Nutrition, 2014, 30, 436-439.	2.4	5
35	Plasma kinetic of ingested essential amino acids in healthy elderly people. Aging Clinical and Experimental Research, 2013, 25, 711-714.	2.9	12
36	The role of desmosines as biomarkers for chronic obstructive pulmonary disease. Expert Review of Respiratory Medicine, 2013, 7, 137-144.	2.5	4

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37	Profiling the Proteome of Exhaled Breath Condensate in Healthy Smokers and COPD Patients by LC-MS/MS. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13894-13910.	4.1	51
38	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. <i>Journal of Chromatography A</i> , 2012, 1266, 103-109.	3.7	7
39	Supplementation of Essential Amino Acids May Reduce the Occurrence of Infections in Rehabilitation Patients With Brain Injury. <i>Nutrition in Clinical Practice</i> , 2012, 27, 99-113.	2.4	24
40	Preserved muscle protein metabolism in obese patients with chronic heart failure. <i>International Journal of Cardiology</i> , 2012, 160, 102-108.	1.7	28
41	Lung anabolic activity in patients with chronic heart failure: Potential implications for clinical practice. <i>Nutrition</i> , 2012, 28, 1002-1007.	2.4	7
42	An insight into the abundant proteome of 46BR.1G1 fibroblasts deficient of DNA ligase I. <i>Electrophoresis</i> , 2012, 33, 307-315.	2.4	3
43	Recent novel MEKC applications to analyze free amino acids in different biomatrices: 2009â€“2010. <i>Electrophoresis</i> , 2012, 33, 36-47.	2.4	16
44	Nutrition for Brain Recovery After Ischemic Stroke. <i>Nutrition in Clinical Practice</i> , 2011, 26, 339-345.	2.4	58
45	Advances in proteomic techniques for biomarker discovery in COPD. <i>Expert Review of Clinical Immunology</i> , 2011, 7, 111-123.	3.0	7
46	The developmental neurotoxicity study of platinum compounds. Effects of cisplatin versus a novel Pt(II) complex on rat cerebellum. <i>Neurotoxicology and Teratology</i> , 2011, 33, 273-281.	2.4	33
47	Effect of essential amino acid supplementation on quality of life, Amino acid profile and strength in institutionalized elderly patients. <i>Clinical Nutrition</i> , 2011, 30, 571-577.	5.0	76
48	Effects of oral amino acid supplementation on long-term-care-acquired infections in elderly patients. <i>Archives of Gerontology and Geriatrics</i> , 2011, 52, e123-e128.	3.0	29
49	Long-term Variability of Desmosine/Isodesmosine as Biomarker in Alpha-1-antritypsin Deficiencyâ€“related COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2011, 8, 329-333.	1.6	30
50	MEKC: A powerful tool for the determination of amino acids in a variety of biomatrices. <i>Electrophoresis</i> , 2010, 31, 93-104.	2.4	22
51	Spontaneous neurocognitive retrieval of patients with sub-acute ischemic stroke is associated with dietary protein intake. <i>Nutritional Neuroscience</i> , 2010, 13, 129-134.	3.1	10
52	Alveolar inflammation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2010, 9, 217-227.	0.7	103
53	Normalization of zinc intake enhances neurological retrieval of patients suffering from ischemic strokes. <i>Nutritional Neuroscience</i> , 2009, 12, 219-225.	3.1	26
54	A rapid MEKC method for the simultaneous determination of creatinine, 1â€“and 3â€“methylhistidine in human urine. <i>Electrophoresis</i> , 2009, 30, 654-656.	2.4	10

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55	Deciphering the proteomic profile of rice bran (<i>Oryza sativa</i>) bran: A pilot study. <i>Electrophoresis</i> , 2009, 30, 4083-4094.	2.4	14
56	2-DE and LC-MS/MS for a Comparative Proteomic Analysis of BALf from Subjects with Different Subsets of Inflammatory Myopathies. <i>Journal of Proteome Research</i> , 2009, 8, 2331-2340.	3.7	21
57	Determination of amino acids by micellar EKC: Recent advances in method development and novel applications to different matrices. <i>Electrophoresis</i> , 2008, 29, 224-236.	2.4	22
58	Proteomic analysis of exhaled breath condensate from single patients with pulmonary emphysema associated to α 1-antitrypsin deficiency. <i>Journal of Proteomics</i> , 2008, 71, 211-221.	2.4	36
59	Proteomics-based diagnosis of chronic obstructive pulmonary disease: the hunt for new markers. <i>Expert Review of Proteomics</i> , 2008, 5, 693-704.	3.0	19
60	Branched-Chain Amino Acids May Improve Recovery From a Vegetative or Minimally Conscious State in Patients With Traumatic Brain Injury: A Pilot Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1642-1647.	0.9	64
61	Ex vivo evaluation of prolidase loaded chitosan nanoparticles for the enzyme replacement therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 58-65.	4.3	38
62	Protein supplementation may enhance the spontaneous recovery of neurological alterations in patients with ischaemic stroke. <i>Clinical Rehabilitation</i> , 2008, 22, 1042-1050.	2.2	38
63	Effect of calorie-protein supplementation on the cognitive recovery of patients with subacute stroke. <i>Nutritional Neuroscience</i> , 2008, 11, 235-240.	3.1	30
64	Adequate energy&protein intake is not enough to improve nutritional and metabolic status in muscle&depleted patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2008, 10, 1127-1135.	7.1	82
65	Protein Expression in Sputum of Smokers and Chronic Obstructive Pulmonary Disease Patients: A Pilot Study by CapLC-ESI-Q-TOF. <i>Journal of Proteome Research</i> , 2007, 6, 4615-4623.	3.7	61
66	Optimizing separation efficiency of 2&DE procedures for visualization of different superoxide dismutase forms in a cellular model of amyotrophic lateral sclerosis. <i>Electrophoresis</i> , 2007, 28, 4340-4347.	2.4	2
67	2&DE and MALDI&TOF&MS for a comparative analysis of proteins expressed in different cellular models of amyotrophic lateral sclerosis. <i>Electrophoresis</i> , 2007, 28, 4320-4329.	2.4	13
68	Progress in the methodological strategies for the detection in real samples of desmosine and isodesmosine, two biological markers of elastin degradation. <i>Journal of Separation Science</i> , 2007, 30, 202-213.	2.5	29
69	The role of emerging techniques in the investigation of prolidase deficiency: From diagnosis to the development of a possible therapeutical approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 832, 1-8.	2.3	31
70	Functional analysis of pyrimidine 5&E2-nucleotidase mutants causing nonspherocytic hemolytic anemia. <i>Blood</i> , 2005, 105, 3340-3345.	1.4	23
71	Urinary electrophoretic profiles from chronic fatigue syndrome and chronic fatigue syndrome/fibromyalgia patients: a pilot study for achieving their normalization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 814, 43-51.	2.3	12
72	Intracellular delivery of liposome-encapsulated prolidase in cultured fibroblasts from prolidase-deficient patients. <i>Journal of Controlled Release</i> , 2005, 102, 181-190.	9.9	25

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73	Micellar electrokinetic chromatographic and capillary zone electrophoretic methods for screening urinary biomarkers of human disorders: A critical review of the state-of-the-art. <i>Electrophoresis</i> , 2005, 26, 752-766.	2.4	25
74	Identification of human nasal mucous proteins using proteomics. <i>Proteomics</i> , 2005, 5, 2949-2959.	2.2	113
75	Branched-Chain Amino Acids Enhance the Cognitive Recovery of Patients With Severe Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1729-1735.	0.9	66
76	SP-A binds alpha1-antitrypsin in vitro and reduces the association rate constant for neutrophil elastase. <i>Respiratory Research</i> , 2005, 6, 146.	3.6	8
77	Short-term variability of biomarkers of proteinase activity in patients with emphysema associated with type Z alpha-1-antitrypsin deficiency. <i>Respiratory Research</i> , 2005, 6, 47.	3.6	24
78	Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure. <i>Journal of the American College of Cardiology</i> , 2005, 45, 158-160.	2.8	19
79	High levels of desmosines in urine and plasma of patients with pseudoxanthoma elasticum. <i>European Journal of Clinical Investigation</i> , 2004, 34, 156-164.	3.4	33
80	Capillary electrophoresis with laser-induced fluorescence detection as a novel sensitive approach for the analysis of desmosines in real samples. <i>Electrophoresis</i> , 2004, 25, 683-691.	2.4	33
81	High-performance liquid chromatography and capillary electrophoresis: Methodological challenges for the determination of biologically relevant low-aliphatic aldehydes in human saliva. <i>Electrophoresis</i> , 2004, 25, 1255-1263.	2.4	39
82	Analysis of the sinusitis nasal lavage fluid proteome using capillary liquid chromatography interfaced to electrospray ionization-quadrupole time of flight- tandem mass spectrometry. <i>Electrophoresis</i> , 2004, 25, 1386-1393.	2.4	38
83	Pyrimidine 5'-nucleotidase activities detected in real samples by means of micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2004, 25, 3270-3276.	2.4	12
84	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.. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 176-181.	0.9	11
85	Reduced plasma tyrosine, 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.. <i>Archives of Physical Medicine and Rehabilitation</i> , 2003, 84, 1259-1265.	0.9	35
86	CAPILLARY ELECTROPHORESIS AS A MODERN TOOL FOR DETERMINING PROTEOLYTIC ACTIVITIES IN PURIFIED SPECIMENS AND IN REAL SAMPLES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 1919-1945.	1.0	1
87	Collagenase production in an antarctic strain of <i>Arthrotrys tortor</i> Jarowaja. <i>Mycopathologia</i> , 2002, 153, 157-162.	3.1	25
88	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. <i>Electrophoresis</i> , 2001, 22, 2343-2350.	2.4	6
89	Inhibition of Human Neutrophil Elastase by Erythromycin and Flurythromycin, Two Macrolide Antibiotics. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 25, 492-499.	2.9	63
90	Separation of closely related peptide substrates of human proteinases by micellar electrokinetic chromatography with anionic and nonionic surfactants. <i>Electrophoresis</i> , 2000, 21, 1985-1991.	2.4	8

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91	Î±1-Antitrypsin in serum determined by capillary isoelectric focusing. <i>Electrophoresis</i> , 2000, 21, 3318-3326.	2.4	10
92	Peripheral plasma amino acid abnormalities in rehabilitation patients with severe brain injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2000, 81, 176-181.	0.9	17
93	Rapid detection of ornithine transcarbamylase activity by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1999, 20, 138-144.	2.4	6
94	Micellar electrokinetic chromatography for analyzing active site specificity of <i>Pseudomonas aeruginosa</i> elastase. <i>Electrophoresis</i> , 1999, 20, 1578-1585.	2.4	4
95	Micellar electrokinetic chromatography as a complementary method to sodium dodecyl sulfate-polyacrylamide gel electrophoresis for studying limited proteolysis of proteins. <i>Electrophoresis</i> , 1999, 20, 2400-2406.	2.4	1
96	Micellar electrokinetic chromatography: A convenient alternative to colorimetric and high performance liquid chromatographic detection to monitor protease activity. <i>Electrophoresis</i> , 1998, 19, 2083-2089.	2.4	24
97	Micellar electrokinetic chromatography for the determination of urinary desmosine and isodesmosine in patients affected by chronic obstructive pulmonary disease. <i>Biomedical Applications</i> , 1998, 714, 87-98.	1.7	31
98	Complete resolution of imidodipeptide mixtures in urine of prolidase-deficient patients using micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1997, 768, 57-66.	3.7	18
99	An Essential Lysine in the Substrate-Binding Site of Ornithine Carbamoyltransferase. <i>FEBS Journal</i> , 1996, 239, 397-402.	0.2	10
100	Limited Proteolysis of Chloroplast Glyceraldehyde-3-phosphate Dehydrogenase (NADP) from <i>Spinacia oleracea</i> . <i>Biological Chemistry Hoppe-Seyler</i> , 1993, 374, 395-402.	1.4	16
101	Proteolytic and partial sequencing studies of the bifunctional dihydrofolate reductase-thymidylate synthase from <i>Daucus carota</i> . <i>Plant Molecular Biology</i> , 1991, 16, 975-982.	3.9	12
102	Separation of fragments from human serum albumin and its charged variants by reversed-phase and cation-exchange high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1990, 512, 165-176.	3.7	11
103	Effect of exogenous amino acids on the intracellular content of proline and other amino acids in <i>Daucus carota</i> cells. <i>Plant Cell Reports</i> , 1989, 8, 422-424.	5.6	5
104	High-performance liquid chromatography of complex mixtures of cyanogen bromide-produced peptides from different proteins. <i>Journal of Chromatography A</i> , 1988, 443, 317-328.	3.7	8
105	The "History" 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
106	The Role of One- and Two-Dimensional Electrophoretic Techniques in Proteomics of the Lung. , 0, , .		0