

Piero Del Boccio

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

3,009
citations

136940

32
h-index

175241

52
g-index

86
all docs

86
docs citations

86
times ranked

5100
citing authors

#	ARTICLE	IF	CITATIONS
1	Tear proteomics reveals the molecular basis of the efficacy of human recombinant nerve growth factor treatment for Neurotrophic Keratopathy. <i>Scientific Reports</i> , 2022, 12, 1229.	3.3	5
2	Sex-related differential susceptibility to ponatinib cardiotoxicity and differential modulation of the Notch1 signalling pathway in a murine model. <i>Journal of Cellular and Molecular Medicine</i> , 2022, , .	3.6	6
3	Synthesis and Biological Evaluation of Novel Cinnamic Acid-Based Antimicrobials. <i>Pharmaceuticals</i> , 2022, 15, 228.	3.8	12
4	Validation of the GSPÂ®/DELFIAÂ® Anti-SARS-CoV-2 IgG Kit Using Dried Blood Samples for High-Throughput Serosurveillance and Standardized Quantitative Measurement of Anti-Spike S1 IgG Antibody Responses Post-Vaccination. <i>Vaccines</i> , 2022, 10, 514.	4.4	4
5	Proteomics Approach Highlights Early Changes in Human Fibroblasts-Pancreatic Ductal Adenocarcinoma Cells Crosstalk. <i>Cells</i> , 2022, 11, 1160.	4.1	4
6	Breast cancer in the era of integrating "Omics" approaches. <i>Oncogenesis</i> , 2022, 11, 17.	4.9	23
7	Proteomic Investigation of the Role of Nucleostemin in Nucleophosmin-Mutated OCI-AML 3 Cell Line. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7655.	4.1	3
8	Chronic Oleoylethanolamide Treatment Decreases Hepatic Triacylglycerol Level in Rat Liver by a PPARÎ³/SREBP-Mediated Suppression of Fatty Acid and Triacylglycerol Synthesis. <i>Nutrients</i> , 2021, 13, 394.	4.1	13
9	Phenotypic and Proteomic Analysis Identifies Hallmarks of Blood Circulating Extracellular Vesicles in NSCLC Responders to Immune Checkpoint Inhibitors. <i>Cancers</i> , 2021, 13, 585.	3.7	25
10	Connexin 43 and Connexin 26 Involvement in the Ponatinib-Induced Cardiomyopathy: Sex-Related Differences in a Murine Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5815.	4.1	12
11	Analytical Evaluation of the Ideal Strategy for High-Throughput Flow Injection Analysis by Tandem Mass Spectrometry in Routine Newborn Screening. <i>Metabolites</i> , 2021, 11, 473.	2.9	9
12	Picture of the Favourable Immune Profile Induced by Anti-SARS-CoV-2 Vaccination. <i>Biomedicines</i> , 2021, 9, 1035.	3.2	7
13	Cytotoxic and Genotoxic Effects of Composite Resins on Cultured Human Gingival Fibroblasts. <i>Materials</i> , 2021, 14, 5225.	2.9	12
14	Circulating extracellular vesicles as new inflammation marker in HIV infection. <i>Aids</i> , 2021, 35, 595-604.	2.2	24
15	Flow Cytometry Analysis of Circulating Extracellular Vesicle Subtypes from Fresh Peripheral Blood Samples. <i>International Journal of Molecular Sciences</i> , 2021, 22, 48.	4.1	47
16	BNT162b2 mRNA Vaccination Leads to Long-Term Protection from COVID-19 Disease. <i>Vaccines</i> , 2021, 9, 1164.	4.4	8
17	Meta-analysis of metabolic biomarkers for multiple sclerosis identifies novel upstream regulators. <i>Journal of the Neurological Sciences</i> , 2021, 429, 118155.	0.6	0
18	Contribution of Metabolomics to Multiple Sclerosis Diagnosis, Prognosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11112.	4.1	7

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19	In vitro and in vivo lipidomics as a tool for probiotics evaluation. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8937-8948.	3.6	6
20	An Italian Innovative Small-Scale Approach to Promote the Conscious Consumption of Healthy Food. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5678.	2.5	10
21	Transplantation of telomerase/myocardin-co-expressing mesenchymal cells in the mouse promotes myocardial revascularization and tissue repair. <i>Vascular Pharmacology</i> , 2020, 135, 106807.	2.1	13
22	Ponatinib Induces Vascular Toxicity through the Notch-1 Signaling Pathway. <i>Journal of Clinical Medicine</i> , 2020, 9, 820.	2.4	16
23	Simulated hyperglycemia impairs insulin signaling in endothelial cells through a hyperosmolar mechanism. <i>Vascular Pharmacology</i> , 2020, 130, 106678.	2.1	15
24	Development of a Rapid Mass Spectrometric Determination of AMP and Cyclic AMP for PDE3 Activity Study: Application and Computational Analysis for Evaluating the Effect of a Novel 2-oxo-1,2-dihydropyridine-3-carbonitrile Derivative as PDE-3 Inhibitor. <i>Molecules</i> , 2020, 25, 1817.	3.8	3
25	Extracellular Vesicles as Signaling Mediators and Disease Biomarkers across Biological Barriers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2514.	4.1	121
26	Neurodegenerative diseases as proteinopathies-driven immune disorders. <i>Neural Regeneration Research</i> , 2020, 15, 850.	3.0	49
27	Extracellular Vesicles and Their Potential Use in Monitoring Cancer Progression and Therapy: The Contribution of Proteomics. <i>Journal of Oncology</i> , 2019, 2019, 1-19.	1.3	64
28	Multi-Omics Approach for Studying Tears in Treatment-Na ⁺ -ve Glaucoma Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4029.	4.1	55
29	Proteomics characterization of extracellular vesicles sorted by flow cytometry reveals a disease-specific molecular cross-talk from cerebrospinal fluid and tears in multiple sclerosis. <i>Journal of Proteomics</i> , 2019, 204, 103403.	2.4	97
30	Integrated Lipidomics and Metabolomics Analysis of Tears in Multiple Sclerosis: An Insight into Diagnostic Potential of Lacrimal Fluid. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1265.	4.1	50
31	Circulating Cancer Stem Cell-Derived Extracellular Vesicles as a Novel Biomarker for Clinical Outcome Evaluation. <i>Journal of Oncology</i> , 2019, 2019, 1-13.	1.3	32
32	Inhibition of de novo ceramide biosynthesis affects aging phenotype in an in vitro model of neuronal senescence. <i>Aging</i> , 2019, 11, 6336-6357.	3.1	9
33	Enhanced release of acid sphingomyelinase-enriched exosomes generates a lipidomics signature in CSF of Multiple Sclerosis patients. <i>Scientific Reports</i> , 2018, 8, 3071.	3.3	92
34	Diabetic macroangiopathy: Pathogenetic insights and novel therapeutic approaches with focus on high glucose-mediated vascular damage. <i>Vascular Pharmacology</i> , 2018, 107, 27-34.	2.1	47
35	Metabolomic Signature in Sera of Multiple Sclerosis Patients during Pregnancy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3589.	4.1	20
36	Stereoselective Double Reduction of 3-Methyl-2-cyclohexenone, by Use of Palladium and Platinum Nanoparticles, in Tandem with Alcohol Dehydrogenase. <i>Nanomaterials</i> , 2018, 8, 853.	4.1	8

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37	Serum lipidomic study reveals potential early biomarkers for predicting response to chemoradiation therapy in advanced rectal cancer: A pilot study. <i>Advances in Radiation Oncology</i> , 2017, 2, 118-124.	1.2	30
38	Gold nanoparticles as scaffolds for poor water soluble and difficult to vehiculate antiparkinson codrugs. <i>Nanotechnology</i> , 2017, 28, 025102.	2.6	5
39	Tear Film Steroid Profiling in Dry Eye Disease by Liquid Chromatography Tandem Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1349.	4.1	40
40	Advances in Lipidomics for Cancer Biomarkers Discovery. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1992.	4.1	143
41	Inside front cover: Integration of metabolomics and proteomics in multiple sclerosis: From biomarkers discovery to personalized medicine. <i>Proteomics - Clinical Applications</i> , 2016, 10, NA-NA.	1.6	0
42	Integration of metabolomics and proteomics in multiple sclerosis: From biomarkers discovery to personalized medicine. <i>Proteomics - Clinical Applications</i> , 2016, 10, 470-484.	1.6	45
43	Unraveling the molecular repertoire of tears as a source of biomarkers: Beyond ocular diseases. <i>Proteomics - Clinical Applications</i> , 2015, 9, 169-186.	1.6	82
44	An integrated metabolomics approach for the research of new cerebrospinal fluid biomarkers of multiple sclerosis. <i>Molecular BioSystems</i> , 2015, 11, 1563-1572.	2.9	65
45	A lipidomic approach to the study of human CD4+ T lymphocytes in multiple sclerosis. <i>BMC Neuroscience</i> , 2015, 16, 46.	1.9	16
46	Identification of an elongation factor 1B ³ protein with glutathione transferase activity in both yeast and mycelial morphologies from human pathogenic <i>Blastoschizomyces capitatus</i> . <i>Folia Microbiologica</i> , 2014, 59, 107-113.	2.3	2
47	Reappraisal of the clinical pharmacology of low-dose aspirin by comparing novel direct and traditional indirect biomarkers of drug action. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 1320-1330.	3.8	79
48	Shotgun proteomics reveals specific modulated protein patterns in tears of patients with primary open angle glaucoma naïve to therapy. <i>Molecular BioSystems</i> , 2013, 9, 1108.	2.9	79
49	Comparative proteome profiling of breast tumor cell lines by gel electrophoresis and mass spectrometry reveals an epithelial mesenchymal transition associated protein signature. <i>Molecular BioSystems</i> , 2013, 9, 1127-1138.	2.9	29
50	Clinical Pharmacology of Cyclooxygenase Inhibition and Pharmacodynamic Interaction with Aspirin by Floctafenine in Thai Healthy Subjects. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 403-417.	2.1	0
51	Oxidative modifications of cerebral transthyretin are associated with multiple sclerosis. <i>Proteomics</i> , 2013, 13, 1002-1009.	2.2	22
52	Differential protein expression in tears of patients with primary open angle and pseudoexfoliative glaucoma. <i>Molecular BioSystems</i> , 2012, 8, 1017-1028.	2.9	67
53	Resveratrol downregulates Akt/GSK and ERK signalling pathways in OVCAR-3 ovarian cancer cells. <i>Molecular BioSystems</i> , 2012, 8, 1078.	2.9	91
54	A hyphenated microLC-ESI-TOF-MS platform for exosomal lipidomics investigations: Application to RCC urinary exosomes. <i>Electrophoresis</i> , 2012, 33, 689-696.	2.4	91

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55	Beta2-microglobulin causes abnormal phosphatidylserine exposure in human red blood cells. <i>Molecular BioSystems</i> , 2011, 7, 651-658.	2.9	10
56	Lipidomic investigations for the characterization of circulating serum lipids in multiple sclerosis. <i>Journal of Proteomics</i> , 2011, 74, 2826-2836.	2.4	75
57	Pre-analytical factors in clinical proteomics investigations: Impact of ex vivo protein modifications for multiple sclerosis biomarker discovery. <i>Journal of Proteomics</i> , 2010, 73, 579-592.	2.4	41
58	A computational platform for MALDI-TOF mass spectrometry data: Application to serum and plasma samples. <i>Journal of Proteomics</i> , 2010, 73, 562-570.	2.4	31
59	Visible photostability of some ruthenium and platinum phthalocyanines in water and in the presence of organic substrates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 499-508.	0.8	5
60	Monospecific high-affinity and complement activating anti-GM1 antibodies are determinants in experimental axonal neuropathy. <i>Journal of the Neurological Sciences</i> , 2010, 293, 76-81.	0.6	3
61	A proteomic approach to paclitaxel chemoresistance in ovarian cancer cell lines. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 225-236.	2.3	44
62	Proteins and protein fragments in nephrotic syndrome: Clusters, specificity and mechanisms. <i>Proteomics - Clinical Applications</i> , 2008, 2, 956-963.	1.6	14
63	High-resolution 2DE for resolving proteins, protein adducts and complexes in plasma. <i>Electrophoresis</i> , 2008, 29, 682-694.	2.4	10
64	Differential cerebro spinal fluid proteome investigation of Leber hereditary optic neuropathy (LHON) and multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2008, 193, 156-160.	2.3	26
65	Glutathione transferases from <i>Anguilla anguilla</i> liver: Identification, cloning and functional characterization. <i>Aquatic Toxicology</i> , 2008, 90, 48-57.	4.0	19
66	Independent component analysis for the extraction of reliable protein signal profiles from MALDI-TOF mass spectra. <i>Bioinformatics</i> , 2008, 24, 63-70.	4.1	70
67	Active Focal Segmental Glomerulosclerosis Is Associated with Massive Oxidation of Plasma Albumin. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 799-810.	6.1	83
68	Electrophoretic separations of cerebrospinal fluid proteins in clinical investigations. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 437-49.	2.3	15
69	Cleavage of cystatin C is not associated with multiple sclerosis. <i>Annals of Neurology</i> , 2007, 62, 201-204.	5.3	37
70	LIMPIC: a computational method for the separation of protein MALDI-TOF-MS signals from noise. <i>BMC Bioinformatics</i> , 2007, 8, 101.	2.6	120
71	Proteomics Characterization of Protein Adsorption onto Hemodialysis Membranes. <i>Journal of Proteome Research</i> , 2006, 5, 2666-2674.	3.7	54
72	Characterization of oxidation end product of plasma albumin <i>in vivo</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 668-673.	2.1	71

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73	Differential post-translational modifications of transthyretin in Alzheimer's disease: A study of the cerebral spinal fluid. <i>Proteomics</i> , 2006, 6, 2305-2313.	2.2	70
74	Proteomic investigation in the detection of the illicit treatment of calves with growth-promoting agents. <i>Proteomics</i> , 2006, 6, 2813-2822.	2.2	51
75	A proteomic approach for the characterization of C677T mutation of the human gene methylenetetrahydrofolate reductase. <i>Proteomics</i> , 2006, 6, 5350-5361.	2.2	6
76	Transitions of serum albumin in patients with glomerulosclerosis –in vivo– characterization by electrophoretic titration curves. <i>Electrophoresis</i> , 2006, 27, 2960-2969.	2.4	12
77	Repetitive Fragmentation Products of Albumin and α_1 -Antitrypsin in Glomerular Diseases Associated with Nephrotic Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 3139-3148.	6.1	139
78	Analytical assessment of MALDI-TOF Imaging Mass Spectrometry on thin histological samples. An insight in proteome investigation. <i>Clinica Chimica Acta</i> , 2005, 357, 210-218.	1.1	33
79	Homo sapiens proteomics: clinical perspectives. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2005, 41, 479-82.	0.4	3
80	Quantitative analysis of caffeic acid phenethyl ester in crude propolis by liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Separation Science</i> , 2004, 27, 619-623.	2.5	22
81	Oxidative Degradation of Cardiotoxic Anticancer Anthracyclines to Phthalic Acids. <i>Journal of Biological Chemistry</i> , 2004, 279, 5088-5099.	3.4	31
82	Liquid chromatography–tandem mass spectrometry analysis of oleuropein and its metabolite hydroxytyrosol in rat plasma and urine after oral administration. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 785, 47-56.	2.3	95
83	ESI-MS in the study of the activity of α -chymotrypsin in aqueous surfactant media. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3125-3130.	2.8	5