Andrea Petretto

List of Publications by Year
in descending order

93 papers	3,592 citations	147801 31 h-index	155660 55 g-index
93 all docs	93 docs citations	93 times ranked	5957 citing authors

#	Article	IF	Citations
1	Melanoma Cells Inhibit Natural Killer Cell Function by Modulating the Expression of Activating Receptors and Cytolytic Activity. Cancer Research, 2012, 72, 1407-1415.	0.9	267
2	Autoimmunity in Membranous Nephropathy Targets Aldose Reductase and SOD2. Journal of the American Society of Nephrology: JASN, 2010, 21, 507-519.	6.1	190
3	Repetitive Fragmentation Products of Albumin and Î±1-Antitrypsin in Glomerular Diseases Associated with Nephrotic Syndrome. Journal of the American Society of Nephrology: JASN, 2006, 17, 3139-3148.	6.1	139
4	Neutrophil extracellular traps (NET) induced by different stimuli: A comparative proteomic analysis. PLoS ONE, 2019, 14, e0218946.	2.5	137
5	Fasting induces anti-Warburg effect that increases respiration but reduces ATP-synthesis to promote apoptosis in colon cancer models. Oncotarget, 2015, 6, 11806-11819.	1.8	127
6	Proteome Profiling of Neuroblastoma-Derived Exosomes Reveal the Expression of Proteins Potentially Involved in Tumor Progression. PLoS ONE, 2013, 8, e75054.	2.5	122
7	Choice of costimulatory domains and of cytokines determines CAR T-cell activity in neuroblastoma. OncoImmunology, 2018, 7, e1433518.	4.6	120
8	Microbiota-gut brain axis involvement in neuropsychiatric disorders. Expert Review of Neurotherapeutics, 2019, 19, 1037-1050.	2.8	116
9	IL-27 induces the expression of IDO and PD-L1 in human cancer cells. Oncotarget, 2015, 6, 43267-43280.	1.8	115
10	Direct characterization of target podocyte antigens and auto-antibodies in human membranous glomerulonephritis: Alfa-enolase and borderline antigens. Journal of Proteomics, 2011, 74, 2008-2017.	2.4	101
11	Active Focal Segmental Glomerulosclerosis Is Associated with Massive Oxidation of Plasma Albumin. Journal of the American Society of Nephrology: JASN, 2007, 18, 799-810.	6.1	83
12	Rescuing Over-activated Microglia Restores Cognitive Performance in Juvenile Animals of the Dp(16) Mouse Model of Down Syndrome. Neuron, 2020, 108, 887-904.e12.	8.1	82
13	Neutrophil Extracellular Traps Profiles in Patients with Incident Systemic Lupus Erythematosus and Lupus Nephritis. Journal of Rheumatology, 2020, 47, 377-386.	2.0	77
14	Characterization of oxidation end product of plasma albumin â€˜in vivoâ€™. Biochemical and Biophysical Research Communications, 2006, 349, 668-673.	2.1	71
15	Soluble HLA-G dampens CD94/NKG2A expression and function and differentially modulates chemotaxis and cytokine and chemokine secretion in CD56bright and CD56dim NK cells. Blood, 2011, 118, 5840-5850.	1.4	65
16	Annexin A1 and Autoimmunity: From Basic Science to Clinical Applications. International Journal of Molecular Sciences, 2018, 19, 1348.	4.1	58
17	Neutrophil Extracellular Traps protein composition is specific for patients with Lupus nephritis and includes methyl-oxidized Î±enolase (methionine sulfoxide 93). Scientific Reports, 2019, 9, 7934.	3.3	58
18	2D-electrophoresis and the urine proteome map: Where do we stand?. Journal of Proteomics, 2010, 73, 829-844.	2.4	57

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19	Multifunctional temozolomide-loaded lipid superparamagnetic nanovectors: dual targeting and disintegration of glioblastoma spheroids by synergic chemotherapy and hyperthermia treatment. Nanoscale, 2019, 11, 21227-21248.	5.6	56
20	Nidogen-1 is a novel extracellular ligand for the NKp44 activating receptor. OncoImmunology, 2018, 7, e1470730.	4.6	54
21	NK-cell Editing Mediates Epithelial-to-Mesenchymal Transition via Phenotypic and Proteomic Changes in Melanoma Cell Lines. Cancer Research, 2018, 78, 3913-3925.	0.9	53
22	Tumor vascular targeted liposomal-bortezomib minimizes side effects and increases therapeutic activity in human neuroblastoma. Journal of Controlled Release, 2015, 211, 44-52.	9.9	49
23	A novel human anti-syndecan-1 antibody inhibits vascular maturation and tumour growth in melanoma. European Journal of Cancer, 2013, 49, 2022-2033.	2.8	44
24	From hundreds to thousands: Widening the normal human Urinome. Data in Brief, 2014, 1, 25-28.	1.0	44
25	From hundreds to thousands: Widening the normal human Urinome (1). Journal of Proteomics, 2015, 112, 53-62.	2.4	43
26	Divergent targets of glycolysis and oxidative phosphorylation result in additive effects of metformin and starvation in colon and breast cancer. Scientific Reports, 2016, 6, 19569.	3.3	43
27	The oxido-redox potential of albumin. Journal of Proteomics, 2009, 73, 188-195.	2.4	41
28	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. Journal of Controlled Release, 2013, 170, 233-241.	9.9	41
29	The human urinary exosome as a potential metabolic effector cargo. Expert Review of Proteomics, 2015, 12, 425-432.	3.0	41
30	Proteomic Analysis of Urinary Microvesicles and Exosomes in Medullary Sponge Kidney Disease and Autosomal Dominant Polycystic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 834-843.	4.5	38
31	Ultrasound-responsive nutlin-loaded nanoparticles for combined chemotherapy and piezoelectric treatment of glioblastoma cells. Acta Biomaterialia, 2022, 139, 218-236.	8.3	37
32	Cell Membraneâ€Coated Magnetic Nanocubes with a Homotypic Targeting Ability Increase Intracellular Temperature due to ROS Scavenging and Act as a Versatile Theranostic System for Glioblastoma Multiforme. Advanced Healthcare Materials, 2019, 8, e1900612.	7.6	36
33	GPR56 as a novel marker identifying the CD56dull CD16+ NK cell subset both in blood stream and in inflamed peripheral tissues. International Immunology, 2010, 22, 91-100.	4.0	33
34	Proteomic Profiling of Retinoblastoma-Derived Exosomes Reveals Potential Biomarkers of Vitreous Seeding. Cancers, 2020, 12, 1555.	3.7	33
35	Proteomic Analysis of Neuroblastomaâ€Derived Exosomes: New Insights into a Metastatic Signature. Proteomics, 2017, 17, 1600430.	2.2	32
36	Universal Ready-to-Use Immunotherapeutic Approach for the Treatment of Cancer: Expanded and Activated Polyclonal Î³Î´ Memory T Cells. Frontiers in Immunology, 2019, 10, 2717.	4.8	31

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37	Stable incorporation of Î±â€smooth muscle actin into stress fibers is dependent on specific tropomyosin isoforms. Cytoskeleton, 2015, 72, 257-267.	2.0	29
38	Adaptive phenotype drives resistance to androgen deprivation therapy in prostate cancer. Cell Communication and Signaling, 2017, 15, 51.	6.5	29
39	Microvesicles as promising biological tools for diagnosis and therapy. Expert Review of Proteomics, 2018, 15, 801-808.	3.0	28
40	New iodoâ€acetamido cyanines for labeling cysteine thiol residues. A strategy for evaluating plasma proteins and their oxidoâ€redox status. Proteomics, 2009, 9, 460-469.	2.2	27
41	â€œCheek-to-cheekâ€urinary proteome profiling via combinatorial peptide ligand libraries: A novel, unexpected elution system. Journal of Proteomics, 2012, 75, 796-805.	2.4	27
42	Human urinary exosome proteome unveils its aerobic respiratory ability. Journal of Proteomics, 2016, 136, 25-34.	2.4	27
43	Metabolic Signature of Microvesicles from Umbilical Cord Mesenchymal Stem Cells of Preterm and Term Infants. Proteomics - Clinical Applications, 2018, 12, e1700082.	1.6	26
44	Leucineâ€rich repeat kinase 2 phosphorylation on synapsin I regulates glutamate release at preâ€synaptic sites. Journal of Neurochemistry, 2019, 150, 264-281.	3.9	25
45	Neutrophil Extracellular Traps in the Autoimmunity Context. Frontiers in Medicine, 2021, 8, 614829.	2.6	25
46	Vav1 Modulates Protein Expression During ATRA-Induced Maturation of APL-Derived Promyelocytes: A Proteomic-Based Analysis. Journal of Proteome Research, 2008, 7, 3729-3736.	3.7	22
47	Combinatorial peptide ligand libraries for the analysis of lowâ€expression proteins: Validation for normal urine and definition of a first protein MAP. Proteomics, 2012, 12, 509-515.	2.2	22
48	Urine Proteome Biomarkers in Kidney Diseases. I. Limits, Perspectives, and First Focus on Normal Urine. Biomarker Insights, 2016, 11, BMI.S26229.	2.5	22
49	Proteomic-based research strategy identified laminin subunit alpha 2 as a potential urinary-specific biomarker for the medullary sponge kidney disease. Kidney International, 2017, 91, 459-468.	5.2	22
50	IL-27 in Human Secondary Lymphoid Organs Attracts Myeloid Dendritic Cells and Impairs HLA Class Iâ€“Restricted Antigen Presentation. Journal of Immunology, 2014, 192, 2634-2642.	0.8	20
51	Proteomic analysis uncovers common effects of IFN-Î³ and IL-27 on the HLA class I antigen presentation machinery in human cancer cells. Oncotarget, 2016, 7, 72518-72536.	1.8	20
52	A hnRNP Kâ€“AR-Related Signature Reflects Progression toward Castration-Resistant Prostate Cancer. International Journal of Molecular Sciences, 2018, 19, 1920.	4.1	19
53	Determination of the oxido-redox status of plasma albumin in hemodialysis patients. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 864, 29-37.	2.3	18
54	In vivo characterization of renal autoâ€antigens involved in human autoâ€immune diseases: The case of membranous glomerulonephritis. Proteomics - Clinical Applications, 2011, 5, 90-97.	1.6	18

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55	Urinary proteome in a snapshot: normal urine and glomerulonephritis. Journal of Nephrology, 2013, 26, 610-616.	2.0	18
56	Combinatorial ligand libraries as a two-dimensional method for proteome analysis. Journal of Chromatography A, 2013, 1297, 106-112.	3.7	18
57	Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. Pharmaceutics, 2021, 13, 1025.	4.5	18
58	Liposomes loaded with polyphenol-rich grape pomace extracts protect from neurodegeneration in a rotenone-based in vitro model of Parkinson's disease. Biomaterials Science, 2021, 9, 8171-8188.	5.4	18
59	Changes in vimentin, lamin A/C and mitofilin induceÂaberrant cell organization in fibroblasts from Fanconi anemia complementation group A (FA-A) patients. Biochimie, 2013, 95, 1838-1847.	2.6	17
60	Differential expression of the five redox complexes in the retinal mitochondria or rod outer segment disks is consistent with their different functionality. FASEB BioAdvances, 2020, 2, 315-324.	2.4	17
61	Post-translational modified proteins are biomarkers of autoimmune-processes: NETosis and the inflammatoryâ€“autoimmunity connection. Clinica Chimica Acta, 2017, 464, 12-16.	1.1	16
62	Novel Immunoregulatory Functions of IL-18, an Accomplice of TGF-Î²1. Cancers, 2019, 11, 75.	3.7	16
63	Functional expression of oxidative phosphorylation proteins in the rod outer segment disc. Cell Biochemistry and Function, 2013, 31, 532-538.	2.9	15
64	Expression of nuclear matrix proteins binding matrix attachment regions in prostate cancer. <scp>PARP</scp>â€1: New player in tumor progression. International Journal of Cancer, 2015, 137, 1574-1586.	5.1	15
65	Widening and Diversifying the Proteome Capture by Combinatorial Peptide Ligand Libraries via Alcian Blue Dye Binding. Analytical Chemistry, 2015, 87, 4814-4820.	6.5	15
66	Proteomic Analysis of Urinary Extracellular Vesicles Reveals a Role for the Complement System in Medullary Sponge Kidney Disease. International Journal of Molecular Sciences, 2019, 20, 5517.	4.1	15
67	Potential biomarkers of childhood brain tumor identified by proteomics of cerebrospinal fluid from extraventricular drainage (EVD). Scientific Reports, 2021, 11, 1818.	3.3	15
68	In uveal melanoma Gî±-protein GNA11 mutations convey a shorter disease-specific survival and are more strongly associated with loss of BAP1 and chromosomal alterations than Gî±-protein GNAQ mutations. European Journal of Cancer, 2022, 170, 27-41.	2.8	15
69	Proteins and protein fragments in nephrotic syndrome: Clusters, specificity and mechanisms. Proteomics - Clinical Applications, 2008, 2, 956-963.	1.6	14
70	Endocellular polyamine availability modulates epithelial-to-mesenchymal transition and unfolded protein response in MDCK cells. Laboratory Investigation, 2010, 90, 929-939.	3.7	14
71	Proteome of Bovine Mitochondria and Rod Outer Segment Disks: Commonalities and Differences. Journal of Proteome Research, 2018, 17, 918-925.	3.7	14
72	Cytokine-Induced Guanylate Binding Protein 1 (GBP1) Release from Human Ovarian Cancer Cells. Cancers, 2020, 12, 488.	3.7	14

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73	Separation of human serum proteins using the Beckman-Coulter PF2Dâ„¢ system: analysis of ion exchange-based first dimension chromatography. Clinical Chemistry and Laboratory Medicine, 2005, 43, 1327-33.	2.3	13
74	Proteomics of Plasma and Urine in Primary Nephrotic Syndrome in Children. , 2008, 160, 17-28.		12
75	Nuclear proteome analysis reveals a role of Vav1 in modulating RNA processing during maturation of tumoral promyelocytes. Journal of Proteomics, 2011, 75, 398-409.	2.4	11
76	Highâ€resolution 2â€DE for resolving proteins, protein adducts and complexes in plasma. Electrophoresis, 2008, 29, 682-694.	2.4	10
77	Myelin proteomics: the past, the unexpected and the future. Expert Review of Proteomics, 2014, 11, 345-354.	3.0	10
78	Proteome profile of peritoneal effluents in children on glucose- or icodextrin-based peritoneal dialysis. Nephrology Dialysis Transplantation, 2011, 26, 308-316.	0.7	9
79	Urine proteome analysis in Dent's disease shows high selective changes potentially involved in chronic renal damage. Journal of Proteomics, 2016, 130, 26-32.	2.4	9
80	Serum IgG2 antibody multicomposition in systemic lupus erythematosus and lupus nephritis (Part 1): cross-sectional analysis. Rheumatology, 2021, 60, 3176-3188.	1.9	9
81	Proteinâ€“protein interaction heterogeneity of plasma apolipoprotein A1 in nephrotic syndrome. Molecular BioSystems, 2011, 7, 659-666.	2.9	8
82	Analysis of the oxido-redox status of plasma proteins. Technology advances for clinical applications. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1338-1344.	2.3	8
83	A Proteomic Analysis of GSD-1a in Mouse Livers: Evidence for Metabolic Reprogramming, Inflammation, and Macrophage Polarization. Journal of Proteome Research, 2019, 18, 2965-2978.	3.7	8
84	Serum IgG2 antibody multi-composition in systemic lupus erythematosus and in lupus nephritis (Part) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	8
85	Fractionation Techniques Improve the Proteomic Analysis of Human Serum. Current Pharmaceutical Analysis, 2008, 4, 69-77.	0.6	7
86	Metallothionein-Iâ€“II expression in young and adult bovine pineal gland. Journal of Chemical Neuroanatomy, 2006, 31, 124-129.	2.1	6
87	Development of an Accurate Mass Retention Time Database for Untargeted Metabolomic Analysis and Its Application to Plasma and Urine Pediatric Samples. Molecules, 2021, 26, 4256.	3.8	6
88	Association between maternal omegaâ€3 polyunsaturated fatty acids supplementation and preterm delivery: A proteomic study. FASEB Journal, 2020, 34, 6322-6334.	0.5	5
89	Advancements in Omics Sciences. , 2016, , 67-108.		3
90	A Comprehensive Proteomics Analysis of Urinary Extracellular Vesicles Identifies a Specific Kinase Protein Profile as a Novel Hallmark of Medullary Sponge Kidney Disease. Kidney International Reports, 2022, 7, 1420-1423.	0.8	3

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91	A new microdispersed albumin derivative potentially useful for radio-guided surgery of occult breast cancer lesions. Scientific Reports, 2019, 9, 5623.	3.3	2
92	Sphingomyelin and Medullary Sponge Kidney Disease: A Biological Link Identified by Omics Approach. Frontiers in Medicine, 2021, 8, 671798.	2.6	1
93	Application of 2D-HPLC system for plasma protein separation. Journal of Medical Biochemistry, 2006, 25, 211-220.	0.1	0