

Spiros D Garbis

List of Publications by Year in descending order

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81
papers

3,767
citations

186265

28
h-index

133252

59
g-index

85
all docs

85
docs citations

85
times ranked

7130
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-Produced α -Synuclein Is Secreted in a Calcium-Dependent Manner by Exosomes and Impacts Neuronal Survival. <i>Journal of Neuroscience</i> , 2010, 30, 6838-6851.	3.6	913
2	Chronic p53-independent p21 expression causes genomic instability by deregulating replication licensing. <i>Nature Cell Biology</i> , 2016, 18, 777-789.	10.3	244
3	Limitations of current proteomics technologies. <i>Journal of Chromatography A</i> , 2005, 1077, 1-18.	3.7	196
4	A subset of myofibroblastic cancer-associated fibroblasts regulate collagen fiber elongation, which is prognostic in multiple cancers. <i>Oncotarget</i> , 2016, 7, 6159-6174.	1.8	149
5	Current mass spectrometry strategies for the analysis of pesticides and their metabolites in food and water matrices. <i>Mass Spectrometry Reviews</i> , 2011, 30, 907-939.	5.4	141
6	Determination of Foliates in Human Plasma Using Hydrophilic Interaction Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5358-5364.	6.5	108
7	Biomarker Discovery in Low-Grade Breast Cancer Using Isobaric Stable Isotope Tags and Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry (iTRAQ-2DLC-MS/MS) Based Quantitative Proteomic Analysis. <i>Journal of Proteome Research</i> , 2009, 8, 362-373.	3.7	98
8	Proteomic analysis of amniotic fluid in pregnancies with Down syndrome. <i>Proteomics</i> , 2006, 6, 4410-4419.	2.2	94
9	Search for Potential Markers for Prostate Cancer Diagnosis, Prognosis and Treatment in Clinical Tissue Specimens Using Amine-Specific Isobaric Tagging (iTRAQ) with Two-Dimensional Liquid Chromatography and Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 3146-3158.	3.7	92
10	Identification of markers of prostate cancer progression using candidate gene expression. <i>British Journal of Cancer</i> , 2012, 106, 157-165.	6.4	86
11	BDNF Stimulation of Protein Synthesis in Cortical Neurons Requires the MAP Kinase-Interacting Kinase MNK1. <i>Journal of Neuroscience</i> , 2015, 35, 972-984.	3.6	76
12	CDK/CK1 inhibitors roscovitine and CR8 downregulate amplified MYCN in neuroblastoma cells. <i>Oncogene</i> , 2014, 33, 5675-5687.	5.9	59
13	Vitamin D and cardiovascular risk among adults with obesity: a systematic review and meta-analysis. <i>European Journal of Clinical Investigation</i> , 2015, 45, 1113-1126.	3.4	59
14	LONP1 and mtHSP70 cooperate to promote mitochondrial protein folding. <i>Nature Communications</i> , 2021, 12, 265.	12.8	58
15	Correction of cognitive deficits in mouse models of Down syndrome by a pharmacological inhibitor of DYRK1A. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	55
16	BDNF-Induced Changes in the Expression of the Translation Machinery in Hippocampal Neurons: Protein Levels and Dendritic mRNA. <i>Journal of Proteome Research</i> , 2009, 8, 4536-4552.	3.7	54
17	Combined Proteomics and Transcriptomics Identifies Carboxypeptidase B1 and Nuclear Factor κ B (NF- κ B) Associated Proteins as Putative Biomarkers of Metastasis in Low Grade Breast Cancer. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1814-1830.	3.8	54
18	Detection of candidate biomarkers of prostate cancer progression in serum: a depletion-free 3D LC/MS quantitative proteomics pilot study. <i>British Journal of Cancer</i> , 2016, 115, 1078-1086.	6.4	54

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19	Proteomics Profiling of CLL Versus Healthy B-cells Identifies Putative Therapeutic Targets and a Subtype-independent Signature of Spliceosome Dysregulation. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 776-791.	3.8	54
20	Systems proteomic analysis reveals that clusterin and tissue inhibitor of metalloproteinases 3 increase in leptomeningeal arteries affected by cerebral amyloid angiopathy. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 492-504.	3.2	51
21	A Novel Multidimensional Protein Identification Technology Approach Combining Protein Size Exclusion Prefractionation, Peptide Zwitterion ⁺ -Ion Hydrophilic Interaction Chromatography, and Nano-Ultraperformance RP Chromatography/nESI-MS ² for the in-Depth Analysis of the Serum Proteome and Phosphoproteome: Application to Clinical Sera Derived from Humans with Benign Prostate Hyperplasia. <i>Analytical Chemistry</i> , 2011, 83, 708-718.	6.5	50
22	Whole Serum 3D LC-nESI-FTMS Quantitative Proteomics Reveals Sexual Dimorphism in the Milieu Intérieur of Overweight and Obese Adults. <i>Journal of Proteome Research</i> , 2014, 13, 5094-5105.	3.7	49
23	Identification of new OPA1 cleavage site reveals that short isoforms regulate mitochondrial fusion. <i>Molecular Biology of the Cell</i> , 2021, 32, 157-168.	2.1	38
24	Myogenesis modelled by human pluripotent stem cells: a multi-omic study of Duchenne myopathy early onset. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 209-232.	7.3	36
25	Establishment of a European Network for Urine and Kidney Proteomics. <i>Journal of Proteomics</i> , 2008, 71, 490-492.	2.4	35
26	The Shotgun Proteomic Study of the Human ThinPrep Cervical Smear Using iTRAQ Mass-Tagging and 2D LC-FT-Orbitrap-MS: The Detection of the Human Papillomavirus at the Protein Level. <i>Journal of Proteome Research</i> , 2013, 12, 2078-2089.	3.7	33
27	Delta-like Ligand-4-Notch Signaling Inhibition Regulates Pancreatic Islet Function and Insulin Secretion. <i>Cell Reports</i> , 2018, 22, 895-904.	6.4	32
28	Comprehensive plasma proteomic profiling reveals biomarkers for active tuberculosis. <i>JCI Insight</i> , 2020, 5, .	5.0	32
29	Energy partitioning in the surface-induced dissociation of linear and cyclic protonated peptides at an organic surface. <i>J Am Chem Soc</i> , 1999, 121, 217-225.		31
30	Placental uptake and metabolism of 25(OH)vitamin D determine its activity within the fetoplacental unit. <i>ELife</i> , 2022, 11, .	6.0	31
31	Zinc \pm 2-glycoprotein as a potential novel urine biomarker for the early diagnosis of prostate cancer. <i>BJU International</i> , 2012, 110, E688-E693.	2.5	30
32	Mixed effects of suberoylanilide hydroxamic acid (SAHA) on the host transcriptome and proteome and their implications for HIV reactivation from latency. <i>Antiviral Research</i> , 2015, 123, 78-85.	4.1	30
33	Hypothalamus proteomics from mouse models with obesity and anorexia reveals therapeutic targets of appetite regulation. <i>Nutrition and Diabetes</i> , 2016, 6, e204-e204.	3.2	30
34	Stable Isotope Analysis of Intact Oxyanions Using Electrospray Quadrupole-Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 3077-3085.	6.5	30
35	TiO ₂ -ZrO ₂ affinity chromatography polymeric microchip for phosphopeptide enrichment and separation. <i>Lab on A Chip</i> , 2011, 11, 3113.	6.0	29
36	Quantitative proteomic profiling of primary cancer-associated fibroblasts in oesophageal adenocarcinoma. <i>British Journal of Cancer</i> , 2018, 118, 1200-1207.	6.4	29

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37	Ursodeoxycholic acid inhibits uptake and vasoconstrictor effects of taurocholate in human placenta. FASEB Journal, 2019, 33, 8211-8220.	0.5	29
38	Clinical proteomics and breast cancer. Journal of the Royal College of Surgeons of Edinburgh, 2015, 13, 271-278.	1.8	28
39	Muscle lim protein isoform negatively regulates striated muscle actin dynamics and differentiation. FEBS Journal, 2014, 281, 3261-3279.	4.7	26
40	Paper-based colorimetric enzyme linked immunosorbent assay fabricated by laser induced forward transfer. Biomicrofluidics, 2014, 8, 036502.	2.4	24
41	Induction of Amyloid- β 242 Production by Fipronil and Other Pyrazole Insecticides. Journal of Alzheimer's Disease, 2018, 62, 1663-1681.	2.6	23
42	Activin-A limits Th17 pathogenicity and autoimmune neuroinflammation via CD39 and CD73 ectonucleotidases and Hif1- α dependent pathways. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12269-12280.	7.1	21
43	Intact protein profiling in breast cancer biomarker discovery: Protein identification issue and the solutions based on 3D protein separation, bottom-up and top-down mass spectrometry. Proteomics, 2013, 13, 1053-1058.	2.2	20
44	Dyrk1a gene dosage in glutamatergic neurons has key effects in cognitive deficits observed in mouse models of MRD7 and Down syndrome. PLoS Genetics, 2021, 17, e1009777.	3.5	20
45	A dual-isotope-labeling method of studying the bioavailability of hexaglutamyl folic acid relative to that of monoglutamyl folic acid in humans by using multiple orally administered low doses. American Journal of Clinical Nutrition, 2006, 84, 1128-1133.	4.7	19
46	Quantitative Non-canonical Amino Acid Tagging (QuaNCAT) Proteomics Identifies Distinct Patterns of Protein Synthesis Rapidly Induced by Hypertrophic Agents in Cardiomyocytes, Revealing New Aspects of Metabolic Remodeling. Molecular and Cellular Proteomics, 2016, 15, 3170-3189.	3.8	18
47	Increased circulating resistin levels in early-onset breast cancer patients of normal body mass index correlate with lymph node negative involvement and longer disease free survival: a multi-center POSH cohort serum proteomics study. Breast Cancer Research, 2018, 20, 19.	5.0	18
48	Resistance of naturally secreted β -synuclein to proteolysis. FASEB Journal, 2014, 28, 3146-3158.	0.5	18
49	Molecular and Biochemical Characterization of the Parvulin-Type PPLases in <i>Lotus japonicus</i> . Plant Physiology, 2009, 150, 1160-1173.	4.8	16
50	Integrated Cellular and Plasma Proteomics of Contrasting B-cell Cancers Reveals Common, Unique and Systemic Signatures. Molecular and Cellular Proteomics, 2017, 16, 386-406.	3.8	15
51	Identification of a novel interaction between corticotropin releasing hormone (Crh) and macroautophagy. Scientific Reports, 2016, 6, 23342.	3.3	14
52	Specific Triazine Herbicides Induce Amyloid- β 242 Production. Journal of Alzheimer's Disease, 2016, 54, 1593-1605.	2.6	14
53	Energetics, timescales, and chemistry of low energy molecular ion-organic surface collisions. Nuclear Instruments & Methods in Physics Research B, 1999, 157, 174-182.	1.4	13
54	Are you also what your mother eats? Distinct proteomic portrait as a result of maternal high-fat diet in the cerebral cortex of the adult mouse. International Journal of Obesity, 2015, 39, 1325-1328.	3.4	13

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55	Sex-specific vitamin D effects on blood coagulation among overweight adults. <i>European Journal of Clinical Investigation</i> , 2016, 46, 1031-1040.	3.4	13
56	Analysis of their in vitro metabolites of diferuloylmethane (curcumin) by liquid chromatography tandem mass spectrometry on a hybrid quadrupole linear ion trap system: newly identified metabolites. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2007, 32, 51-57.	1.6	12
57	Sex-specific correlation of IGFBP-2 and IGFBP-3 with vitamin D status in adults with obesity: a cross-sectional serum proteomics study. <i>Nutrition and Diabetes</i> , 2018, 8, 54.	3.2	12
58	Integrated Eutopic Endometrium and Non-Depleted Serum Quantitative Proteomic Analysis Identifies Candidate Serological Markers of Endometriosis. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800153.	1.6	12
59	Sex-specific expression of apolipoprotein levels following replenishment of vitamin D. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 180, 129-136.	2.5	11
60	Polycystic Ovary Syndrome and Insulin Physiology: An Observational Quantitative Serum Proteomics Study in Adolescent, Normal-Weight Females. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800184.	1.6	11
61	Pharmacoproteomic Study of the Natural Product Ebenfuran III in DU-145 Prostate Cancer Cells: The Quantitative and Temporal Interrogation of Chemically Induced Cell Death at the Protein Level. <i>Journal of Proteome Research</i> , 2013, 12, 1591-1603.	3.7	10
62	IGF and IGFBP as an index for discrimination between vitamin D supplementation responders and nonresponders in overweight Saudi subjects. <i>Medicine (United States)</i> , 2018, 97, e0702.	1.0	10
63	Annexin A3 is a mammary marker and a potential neoplastic breast cell therapeutic target. <i>Oncotarget</i> , 2015, 6, 21421-21427.	1.8	9
64	MicroRNAs Determining Inflammation as Novel Biomarkers and Potential Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2015, 22, 2666-2679.	2.4	9
65	Proteomic Feature Maps: A new visualization approach in proteomics analysis. <i>Journal of Biomedical Informatics</i> , 2009, 42, 644-653.	4.3	8
66	Proteomics of human prostate cancer biospecimens: the global, systems-wide perspective for Protein markers with potential clinical utility. <i>Expert Review of Proteomics</i> , 2013, 10, 337-354.	3.0	7
67	Marine omega-3 fatty acid supplementation in non-alcoholic fatty liver disease: Plasma proteomics in the randomized WELCOME* trial. <i>Clinical Nutrition</i> , 2019, 38, 1952-1955.	5.0	7
68	The need for serological markers of response to vitamin D status optimization: a case for quantitative serum proteomics. <i>Bioanalysis</i> , 2014, 6, 721-723.	1.5	6
69	Hemisphere Asymmetry of Response to Pharmacologic Treatment in an Alzheimer's Disease Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 333-338.	2.6	6
70	Phosphodiesterase type 5 inhibitors enhance chemotherapy in preclinical models of esophageal adenocarcinoma by targeting cancer-associated fibroblasts. <i>Cell Reports Medicine</i> , 2022, 3, 100541.	6.5	5
71	Nano volume fractionation strategy for dilute-and-shoot injections in off-line loss-less proteomic workflows for extensive protein identifications of ultra-low sample amounts. <i>Journal of Chromatography A</i> , 2020, 1609, 460507.	3.7	4
72	Impact of Maternal Food Restriction on Heart Proteome in Appropriately Grown and Growth-Restricted Wistar Rat Offspring. <i>Nutrients</i> , 2021, 13, 466.	4.1	4

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73	The Effect of Prenatal Food Restriction on Brain Proteome in Appropriately Grown and Growth Restricted Male Wistar Rats. <i>Frontiers in Neuroscience</i> , 2021, 15, 665354.	2.8	4
74	Study of Cellular Oncometabolism via Multidimensional Protein Identification Technology. <i>Methods in Enzymology</i> , 2014, 543, 217-234.	1.0	3
75	Liver Proteome Profile of Growth Restricted and Appropriately Grown Newborn Wistar Rats Associated With Maternal Undernutrition. <i>Frontiers in Endocrinology</i> , 2021, 12, 684220.	3.5	3
76	Integrated proteomics and transcriptomics analyses identify novel cell surface markers of HIV latency. <i>Virology</i> , 2022, 573, 50-58.	2.4	2
77	N-acetylcysteine, xCT and suppression of Maxi-chloride channel activity in human placenta. <i>Placenta</i> , 2021, 110, 46-55.	1.5	1
78	Temporal and quantitative pharmacoproteomics approach in the identification of efficacy biomarkers: the example of the natural medicinal product Î³-Tocotrienol on prostate cancer. <i>New Biotechnology</i> , 2009, 25, S17.	4.4	0
79	180 DETERMINATION OF POTENTIAL NOVEL PROSTATE CANCER BIOMARKERS USING ADVANCED PROTEOMIC METHODS. <i>European Urology Supplements</i> , 2009, 8, 165.	0.1	0
80	070 HIGH RESOLUTION MULTIDIMENSIONAL PROTEOMICS DETECTS CANDIDATE ARRHYTHMIA BIOMARKERS: Table A1. <i>Heart</i> , 2013, 99, A45.2-A46.	2.9	0
81	Increased plasma CD14 levels 1 year postpartum in women with pre-eclampsia during pregnancy: a caseâ€“control plasma proteomics study. <i>Nutrition and Diabetes</i> , 2020, 10, 2.	3.2	0