

# Spiros D Garbis

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Placental uptake and metabolism of 25(OH)vitamin D determine its activity within the fetoplacental unit. <i>ELife</i> , 2022, 11, .	6.0	31
2	Integrated proteomics and transcriptomics analyses identify novel cell surface markers of HIV latency. <i>Virology</i> , 2022, 573, 50-58.	2.4	2
3	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
4	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
5	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
6	LONP1 and mtHSP70 cooperate to promote mitochondrial protein folding. <i>Nature Communications</i> , 2021, 12, 265.	12.8	58
7	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
8	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
9	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
10	N-acetylcysteine, xCT and suppression of Maxi-chloride channel activity in human placenta. <i>Placenta</i> , 2021, 110, 46-55.	1.5	1
11	Dyrk1a gene dosage in glutamatergic neurons has key effects in cognitive deficits observed in mouse models of MRD7 and Down syndrome. <i>PLoS Genetics</i> , 2021, 17, e1009777.	3.5	20
12	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
13	Activin-A limits Th17 pathogenicity and autoimmune neuroinflammation via CD39 and CD73 ectonucleotidases and Hif1-1-dependent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12269-12280.	7.1	21
14	Increased plasma CD14 levels 1 year postpartum in women with pre-eclampsia during pregnancy: a case-control plasma proteomics study. <i>Nutrition and Diabetes</i> , 2020, 10, 2.	3.2	0
15	Stable Isotope Analysis of Intact Oxyanions Using Electrospray Quadrupole-Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 3077-3085.	6.5	30
16	Comprehensive plasma proteomic profiling reveals biomarkers for active tuberculosis. <i>JCI Insight</i> , 2020, 5, .	5.0	32
17	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
18	Ursodeoxycholic acid inhibits uptake and vasoconstrictor effects of taurocholate in human placenta. <i>FASEB Journal</i> , 2019, 33, 8211-8220.	0.5	29

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19	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
20	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
21	Induction of Amyloid- $\beta$ 242 Production by Fipronil and Other Pyrazole Insecticides. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 1663-1681.	2.6	23
22	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
23	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
24	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
25	Quantitative proteomic profiling of primary cancer-associated fibroblasts in oesophageal adenocarcinoma. <i>British Journal of Cancer</i> , 2018, 118, 1200-1207.	6.4	29
26	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
27	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
28	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. <i>Breast Cancer Research</i> , 2018, 20, 19.	5.0	18
29	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
30	Integrated Cellular and Plasma Proteomics of Contrasting B-cell Cancers Reveals Common, Unique and Systemic Signatures. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 386-406.	3.8	15
31	Systems proteomic analysis reveals that clusterin and tissue inhibitor of metalloproteinases 3 increase in leptomenigeal arteries affected by cerebral amyloid angiopathy. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 492-504.	3.2	51
32	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
33	Identification of a novel interaction between corticotropin releasing hormone (Crh) and macroautophagy. <i>Scientific Reports</i> , 2016, 6, 23342.	3.3	14
34	Specific Triazine Herbicides Induce Amyloid- $\beta$ 242 Production. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1593-1605.	2.6	14
35	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
36	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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37	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. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3170-3189.	3.8	18
38	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
39	Chronic p53-independent p21 expression causes genomic instability by deregulating replication licensing. <i>Nature Cell Biology</i> , 2016, 18, 777-789.	10.3	244
40	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
41	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
42	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. <i>International Journal of Obesity</i> , 2015, 39, 1325-1328.	3.4	13
43	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
44	Combined Proteomics and Transcriptomics Identifies Carboxypeptidase B1 and Nuclear Factor $\kappa$ B (NF- $\kappa$ 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
45	Clinical proteomics and breast cancer. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2015, 13, 271-278.	1.8	28
46	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
47	Annexin A3 is a mammary marker and a potential neoplastic breast cell therapeutic target. <i>Oncotarget</i> , 2015, 6, 21421-21427.	1.8	9
48	MicroRNAs Determining Inflammation as Novel Biomarkers and Potential Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2015, 22, 2666-2679.	2.4	9
49	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
50	Paper-based colorimetric enzyme linked immunosorbent assay fabricated by laser induced forward transfer. <i>Biomicrofluidics</i> , 2014, 8, 036502.	2.4	24
51	CDK/CK1 inhibitors roscovitine and CR8 downregulate amplified MYCN in neuroblastoma cells. <i>Oncogene</i> , 2014, 33, 5675-5687.	5.9	59
52	Study of Cellular Oncometabolism via Multidimensional Protein Identification Technology. <i>Methods in Enzymology</i> , 2014, 543, 217-234.	1.0	3
53	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
54	Muscle lim protein isoform negatively regulates striated muscle actin dynamics and differentiation. <i>FEBS Journal</i> , 2014, 281, 3261-3279.	4.7	26

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55	Resistance of naturally secreted $\alpha$ -synuclein to proteolysis. FASEB Journal, 2014, 28, 3146-3158.	0.5	18
56	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
57	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. Journal of Proteome Research, 2013, 12, 1591-1603.	3.7	10
58	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. Journal of Proteome Research, 2013, 12, 2078-2089.	3.7	33
59	Proteomics of human prostate cancer biospecimens: the global, systems-wide perspective for Protein markers with potential clinical utility. Expert Review of Proteomics, 2013, 10, 337-354.	3.0	7
60	070 HIGH RESOLUTION MULTIDIMENSIONAL PROTEOMICS DETECTS CANDIDATE ARRHYTHMIA BIOMARKERS: Table A1. Heart, 2013, 99, A45.2-A46.	2.9	0
61	Zinc $\alpha$ 2-glycoprotein as a potential novel urine biomarker for the early diagnosis of prostate cancer. BJU International, 2012, 110, E688-E693.	2.5	30
62	Identification of markers of prostate cancer progression using candidate gene expression. British Journal of Cancer, 2012, 106, 157-165.	6.4	86
63	Current mass spectrometry strategies for the analysis of pesticides and their metabolites in food and water matrices. Mass Spectrometry Reviews, 2011, 30, 907-939.	5.4	141
64	A Novel Multidimensional Protein Identification Technology Approach Combining Protein Size Exclusion Prefractionation, Peptide Zwitterion <sup>+</sup> Ion Hydrophilic Interaction Chromatography, and Nano-Ultraperformance RP Chromatography/nESI-MS <sup>2</sup> for the in-Depth Analysis of the Serum Proteome and Phosphoproteome: Application to Clinical Sera Derived from Humans with Benign Prostate Hyperplasia. Analytical Chemistry, 2011, 83, 708-718.	6.5	50
65	TiO <sub>2</sub> -ZrO <sub>2</sub> affinity chromatography polymeric microchip for phosphopeptide enrichment and separation. Lab on A Chip, 2011, 11, 3113.	6.0	29
66	Cell-Produced $\alpha$ -Synuclein Is Secreted in a Calcium-Dependent Manner by Exosomes and Impacts Neuronal Survival. Journal of Neuroscience, 2010, 30, 6838-6851.	3.6	913
67	Molecular and Biochemical Characterization of the Parvulin-Type PPLases in <i>Lotus japonicus</i> . Plant Physiology, 2009, 150, 1160-1173.	4.8	16
68	Proteomic Feature Maps: A new visualization approach in proteomics analysis. Journal of Biomedical Informatics, 2009, 42, 644-653.	4.3	8
69	Temporal and quantitative pharmacoproteomics approach in the identification of efficacy biomarkers: the example of the natural medicinal product $\gamma$ -Tocotrienol on prostate cancer. New Biotechnology, 2009, 25, S17.	4.4	0
70	BDNF-Induced Changes in the Expression of the Translation Machinery in Hippocampal Neurons: Protein Levels and Dendritic mRNA. Journal of Proteome Research, 2009, 8, 4536-4552.	3.7	54
71	180 DETERMINATION OF POTENTIAL NOVEL PROSTATE CANCER BIOMARKERS USING ADVANCED PROTEOMIC METHODS. European Urology Supplements, 2009, 8, 165.	0.1	0
72	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. Journal of Proteome Research, 2009, 8, 362-373.	3.7	98

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73	Establishment of a European Network for Urine and Kidney Proteomics. <i>Journal of Proteomics</i> , 2008, 71, 490-492.	2.4	35
74	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
75	Analysis of their in vitro metabolites of diferuloylmethane (curcumin) by liquid chromatography and 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
76	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. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 1128-1133.	4.7	19
77	Proteomic analysis of amniotic fluid in pregnancies with Down syndrome. <i>Proteomics</i> , 2006, 6, 4410-4419.	2.2	94
78	Limitations of current proteomics technologies. <i>Journal of Chromatography A</i> , 2005, 1077, 1-18.	3.7	196
79	Determination of Folates in Human Plasma Using Hydrophilic Interaction Chromatography and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5358-5364.	6.5	108
80	Energetics, timescales, and chemistry of low energy molecular ion-organic surface collisions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1999, 157, 174-182.	1.4	13
81	Energy partitioning in the surface-induced dissociation of linear and cyclic protonated peptides at an organic surface. <i>Journal of Mass Spectrometry</i> , 1999, 34, 217-225.		31