Giorgio Arrigoni

List of Publications by Year
in descending order

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117 papers	3,834 citations	109321 35 h-index	155660 55 g-index
120 all docs	120 docs citations	120 times ranked	6426 citing authors

#	Article	IF	Citations
1	Gel-Based Proteomic Identification of Suprabasin as a Potential New Candidate Biomarker in Endometrial Cancer. International Journal of Molecular Sciences, 2022, 23, 2076.	4.1	7
2	Mitochondrial depletion of glutaredoxin 2 induces metabolic dysfunction-associated fatty liver disease in mice. Redox Biology, 2022, 51, 102277.	9.0	13
3	Desiccation Tolerance in Ramonda serbica Panc.: An Integrative Transcriptomic, Proteomic, Metabolite and Photosynthetic Study. Plants, 2022, 11, 1199.	3.5	6
4	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinsonâ€™s disease. Acta Neuropathologica, 2022, 144, 81-106.	7.7	22
5	Perfluorinated alkyl substances affect the growth, physiology and root proteome of hydroponically grown maize plants. Journal of Hazardous Materials, 2022, 438, 129512.	12.4	6
6	Parkinsonâ€™s Diseaseâ€“Associated LRRK2 Interferes with Astrocyte-Mediated Alpha-Synuclein Clearance. Molecular Neurobiology, 2021, 58, 3119-3140.	4.0	54
7	Responsiveness to Hedgehog Pathway Inhibitors in T-Cell Acute Lymphoblastic Leukemia Cells Is Highly Dependent on 5â€²AMP-Activated Kinase Inactivation. International Journal of Molecular Sciences, 2021, 22, 6384.	4.1	2
8	Two Dimensional-Difference in Gel Electrophoresis (2D-DIGE) Proteomic Approach for the Identification of Biomarkers in Endometrial Cancer Serum. Cancers, 2021, 13, 3639.	3.7	13
9	Engineered EVs for Oxidative Stress Protection. Pharmaceuticals, 2021, 14, 703.	3.8	1
10	Protein profile of commercial soybean milks analyzed by label-free quantitative proteomics. Food Chemistry, 2021, 352, 129299.	8.2	17
11	The Unique Cysteine of F-ATP Synthase OSCP Subunit Participates in Modulation of the Permeability Transition Pore. Cell Reports, 2020, 32, 108095.	6.4	35
12	Efficient protein extraction for shotgun proteomics from hydrated and desiccated leaves of resurrection Ramonda serbica plants. Analytical and Bioanalytical Chemistry, 2020, 412, 8299-8312.	3.7	7
13	ST3GAL1 is a target of the SOX2-GLI1 transcriptional complex and promotes melanoma metastasis through AXL. Nature Communications, 2020, 11, 5865.	12.8	54
14	Fermented Soy-Derived Bioactive Peptides Selected by a Molecular Docking Approach Show Antioxidant Properties Involving the Keap1/Nrf2 Pathway. Antioxidants, 2020, 9, 1306.	5.1	41
15	Proteomic Study Identifies Glycolytic and Inflammation Pathways Involved in Recurrent Otitis Media. International Journal of Molecular Sciences, 2020, 21, 9291.	4.1	3
16	l-Arginine prevents inflammatory and pro-calcific differentiation of interstitial aortic valve cells. Atherosclerosis, 2020, 298, 27-35.	0.8	16
17	Understanding and Controlling Short- and Long-Range Electron/Charge-Transfer Processes in Electron Donorâ€“Acceptor Conjugates. Journal of the American Chemical Society, 2020, 142, 7898-7911.	13.7	39
18	Quantitative Proteomics of Maize Roots Treated with a Protein Hydrolysate: A Comparative Study with Transcriptomics Highlights the Molecular Mechanisms Responsive to Biostimulants. Journal of Agricultural and Food Chemistry, 2020, 68, 7541-7553.	5.2	33

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19	Application of Circular Dichroism and Fluorescence Spectroscopies To Assess Photostability of Water-Soluble Porcine Lens Proteins. ACS Omega, 2020, 5, 4293-4301.	3.5	9
20	Identification of New Peptides from Fermented Milk Showing Antioxidant Properties: Mechanism of Action. Antioxidants, 2020, 9, 117.	5.1	66
21	The Prion Protein Regulates Synaptic Transmission by Controlling the Expression of Proteins Key to Synaptic Vesicle Recycling and Exocytosis. Molecular Neurobiology, 2019, 56, 3420-3436.	4.0	9
22	Purified F-ATP synthase forms a Ca2+-dependent high-conductance channel matching the mitochondrial permeability transition pore. Nature Communications, 2019, 10, 4341.	12.8	139
23	Influence of selenium on the emergence of neuro tubule defects in a neuron-like cell line and its implications for amyotrophic lateral sclerosis. NeuroToxicology, 2019, 75, 209-220.	3.0	17
24	Topical application of lyophilized and powdered human amniotic membrane promotes diabetic ulcer healing. Wound Medicine, 2019, 27, 100171.	2.7	2
25	Proteomic Analysis of MeJa-Induced Defense Responses in Rice against Wounding. International Journal of Molecular Sciences, 2019, 20, 2525.	4.1	42
26	Phosphoproteins Involved in the Inhibition of Apoptosis and in Cell Survival in the Leiomyoma. Journal of Clinical Medicine, 2019, 8, 691.	2.4	14
27	A proteomic and biochemical investigation on the effects of sulfadiazine in Arabidopsis thaliana. Ecotoxicology and Environmental Safety, 2019, 178, 146-158.	6.0	9
28	A proteomics analysis of CK2Î²^(â˜/â˜) C2C12 cells provides novel insights into the biological functions of the nonâ€catalytic Î² subunit. FEBS Journal, 2019, 286, 1561-1575.	4.7	14
29	Leiomyoma phosphoproteins involved in inhibition of oxidative stress and synthesis of reactive oxygen species. International Journal of Molecular Medicine, 2019, 44, 2329-2335.	4.0	1
30	Re-evaluation of protein kinase CK2 pleiotropy: new insights provided by a phosphoproteomics analysis of CK2 knockout cells. Cellular and Molecular Life Sciences, 2018, 75, 2011-2026.	5.4	49
31	Protein Profiling of Arabidopsis Roots Treated With Humic Substances: Insights Into the Metabolic and Interactome Networks. Frontiers in Plant Science, 2018, 9, 1812.	3.6	41
32	High-Conductance Channel Formation in Yeast Mitochondria is Mediated by F-ATP Synthase e and g Subunits. Cellular Physiology and Biochemistry, 2018, 50, 1840-1855.	1.6	57
33	MALDI-TOF peptidomic analysis of serum and post-prostatic massage urine specimens to identify prostate cancer biomarkers. Clinical Proteomics, 2018, 15, 23.	2.1	11
34	Cell surface nucleolin interacts with and internalizes Bothrops asper Lys49 phospholipase A2 and mediates its toxic activity. Scientific Reports, 2018, 8, 10619.	3.3	36
35	C1q-Mediated Complement Activation and C3 Opsonization Trigger Recognition of Stealth Poly(2-methyl-2-oxazoline)-Coated Silica Nanoparticles by Human Phagocytes. ACS Nano, 2018, 12, 5834-5847.	14.6	86
36	Dysregulated chaperones associated with cell proliferation and negative apoptosis regulation in the uterine leiomyoma. Oncology Letters, 2018, 15, 8005-8010.	1.8	2

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37	Protein kinase CK2 modulates HSJ1 function through phosphorylation of the UIM2 domain. Human Molecular Genetics, 2017, 26, ddw420.	2.9	8
38	Generation and quantitative proteomics analysis of CK2Î±/Î±â€™(â^’/â^’) cells. Scientific Reports, 2017, 7, 42409.	3.3	38
39	The landscape of BRAF transcript and protein variants in human cancer. Molecular Cancer, 2017, 16, 85.	19.2	22
40	Identification of proteins with different abundance associated with cell migration and proliferation in leiomyoma interstitial fluid by proteomics. Oncology Letters, 2017, 13, 3912-3920.	1.8	9
41	InÂvitro secretomic analysis identifies putative pathogenicity-related proteins of Sporisorium scitamineum â€“ The sugarcane smut fungus. Fungal Biology, 2017, 121, 199-211.	2.5	11
42	HMGA1 regulates the Plasminogen activation system in the secretome of breast cancer cells. Scientific Reports, 2017, 7, 11768.	3.3	36
43	Proteome Analysis of Urticating Setae From Thaumetopoea pityocampa (Lepidoptera: Notodontidae). Journal of Medical Entomology, 2017, 54, 1560-1566.	1.8	7
44	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. Pharmaceuticals, 2017, 10, 11.	3.8	36
45	PAK6 Phosphorylates 14-3-3Î³ to Regulate Steady State Phosphorylation of LRRK2. Frontiers in Molecular Neuroscience, 2017, 10, 417.	2.9	46
46	Effect of Inulin on Proteome Changes Induced by Pathogenic Lipopolysaccharide in Human Colon. PLoS ONE, 2017, 12, e0169481.	2.5	15
47	PDAC-derived exosomes enrich the microenvironment in MDSCs in a SMAD4-dependent manner through a new calcium related axis. Oncotarget, 2017, 8, 84928-84944.	1.8	49
48	A proteomic approach for the identification of biomarkers in endometrial cancer uterine aspirate. Oncotarget, 2017, 8, 109536-109545.	1.8	19
49	Serological Proteome Analysis for Identification of Potential Antigen in Atopic Dermatitis. Pediatrics & Health Research, 2016, 01, .	0.0	0
50	A Proteomic Approach for the Identification of Up-Regulated Proteins Involved in the Metabolic Process of the Leiomyoma. International Journal of Molecular Sciences, 2016, 17, 540.	4.1	13
51	SMAD4 loss enables EGF, TGFÎ²1 and S100A8/A9 induced activation of critical pathways to invasion in human pancreatic adenocarcinoma cells. Oncotarget, 2016, 7, 69927-69944.	1.8	14
52	Proteomic analysis of a compatible interaction between sugarcane and Sporisorium scitamineum. Proteomics, 2016, 16, 1111-1122.	2.2	39
53	Hen egg white lysozyme is a hidden allergen in Italian commercial ciders. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 34, 1-7.	2.3	2
54	The first non Clostridial botulinum-like toxin cleaves VAMP within the juxtamembrane domain. Scientific Reports, 2016, 6, 30257.	3.3	84

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55	Abnormal expression of leiomyoma cytoskeletal proteins involved in cell migration. Oncology Reports, 2016, 35, 3094-3100.	2.6	11
56	Leaf apoplastic proteome composition in UV-B treated Arabidopsis thaliana mutants impaired in extracellular glutathione degradation. Data in Brief, 2016, 6, 368-377.	1.0	3
57	LRRK2 phosphorylates pre-synaptic N-ethylmaleimide sensitive fusion (NSF) protein enhancing its ATPase activity and SNARE complex disassembling rate. Molecular Neurodegeneration, 2016, 11, 1.	10.8	128
58	NETosis Delays Diabetic Wound Healing in Mice and Humans. Diabetes, 2016, 65, 1061-1071.	0.6	233
59	[NiFe]-hydrogenase is essential for cyanobacterium Synechocystis sp. PCC 6803 aerobic growth in the dark. Scientific Reports, 2015, 5, 12424.	3.3	12
60	Proteomics for the detection of indirect markers of steroids treatment in bovine muscle. Proteomics, 2015, 15, 2332-2341.	2.2	13
61	Two-dimensional gel electrophoresis analysis of the leiomyoma interstitial fluid reveals altered protein expression with a possible involvement in pathogenesis. Oncology Reports, 2015, 33, 2219-2226.	2.6	13
62	Identification of potential protein markers of noble rot infected grapes. Food Chemistry, 2015, 179, 170-174.	8.2	8
63	Proteome readjustments in the apoplastic space of Arabidopsis thaliana ggt1 mutant leaves exposed to UV-B radiation. Frontiers in Plant Science, 2015, 6, 128.	3.6	41
64	In Vivo Identification of Photosystem II Light Harvesting Complexes Interacting with PHOTOSYSTEM II SUBUNIT S. Plant Physiology, 2015, 168, 1747-1761.	4.8	43
65	Protein kinase CK2 potentiates translation efficiency by phosphorylating eIF3j at Ser127. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1693-1701.	4.1	13
66	Proteomics perturbations promoted by the protein kinase CK2 inhibitor quinalizarin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1676-1686.	2.3	13
67	Quantitative analysis of a phosphoproteome readily altered by the protein kinase CK2 inhibitor quinalizarin in HEK-293T cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 609-623.	2.3	37
68	Lumican Is Overexpressed in Lung Adenocarcinoma Pleural Effusions. PLoS ONE, 2015, 10, e0126458.	2.5	28
69	The lysine-specific demethylase 1 is a novel substrate of protein kinase CK2. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 722-729.	2.3	9
70	Confirmation of Protein Biomarkers of Corticosteroids Treatment in Veal Calves Sampled under Field Conditions. Journal of Proteome Research, 2014, 13, 1794-1799.	3.7	4
71	The molecular signature of impaired diabetic wound healing identifies serpinB3 as a healing biomarker. Diabetologia, 2014, 57, 1947-1956.	6.3	28
72	Electron Transfer through 3D Monolayers on Au₂₅ Clusters. ACS Nano, 2014, 8, 2788-2795.	14.6	80

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73	Differential proteinâ€“protein interactions of <scp>LRRK</scp>1 and <scp>LRRK</scp>2 indicate roles in distinct cellular signaling pathways. Journal of Neurochemistry, 2014, 131, 239-250.	3.9	49
74	OFFGEL fractionation of peptides: Where really is your sample?. Journal of Chromatography A, 2014, 1355, 278-283.	3.7	8
75	Identification of the PLK2-Dependent Phosphopeptidome by Quantitative Proteomics. PLoS ONE, 2014, 9, e111018.	2.5	9
76	Myeloid calcifying cells promote atherosclerotic calcification via paracrine activity and allograft inflammatory factor-1 overexpression. Basic Research in Cardiology, 2013, 108, 368.	5.9	28
77	Sample loading influences studies comparing isoelectric focusing vs. strong cation exchange peptide fractionation. Journal of Chromatography A, 2013, 1307, 207-208.	3.7	5
78	Quantitative analysis of the naringenin-inducible proteome inRhizobium leguminosarumby isobaric tagging and mass spectrometry. Proteomics, 2013, 13, 1961-1972.	2.2	23
79	Proteomic Analysis of Interstitial Aortic Valve Cells Acquiring a Pro-calcific Profile. Methods in Molecular Biology, 2013, 1005, 95-107.	0.9	7
80	Pros and cons of peptide isolectric focusing in shotgun proteomics. Journal of Chromatography A, 2013, 1293, 1-9.	3.7	18
81	Calcium-Dependent Regulation of Genes for Plant Nodulation in Rhizobium leguminosarum Detected by iTRAQ Quantitative Proteomic Analysis. Journal of Proteome Research, 2013, 12, 5323-5330.	3.7	11
82	Biochemical and quantitative proteomics investigations in Arabidopsisggt1mutant leaves reveal a role for the gamma-glutamyl cycle in plant's adaptation to environment. Proteomics, 2013, 13, 2031-2045.	2.2	64
83	Circulating myeloid calcifying cells have antiangiogenic activity via thrombospondinâ€1 overexpression. FASEB Journal, 2013, 27, 4355-4365.	0.5	23
84	Detection of Phospho-Sites Generated by Protein Kinase CK2 in CFTR: Mechanistic Aspects of Thr1471 Phosphorylation. PLoS ONE, 2013, 8, e74232.	2.5	32
85	Molecular targets of antimicrobial photodynamic therapy identified by a proteomic approach. Journal of Proteomics, 2012, 77, 329-343.	2.4	88
86	Analysis of commercial wines by LC-MS/MS reveals the presence of residual milk and egg white allergens. Food Control, 2012, 28, 321-326.	5.5	47
87	Investigation on PLK2 and PLK3 substrate recognition. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1366-1373.	2.3	32
88	High confidence and sensitivity four-dimensional fractionation for human plasma proteome analysis. Amino Acids, 2012, 43, 2199-2202.	2.7	11
89	Mass spectrometry detection of egg proteins in red wines treated with egg white. Food Control, 2012, 23, 87-94.	5.5	57
90	High Abundance Proteins Depletion vs Low Abundance Proteins Enrichment: Comparison of Methods to Reduce the Plasma Proteome Complexity. PLoS ONE, 2011, 6, e19603.	2.5	137

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91	Caldesmon over-expression in type 1 diabetic nephropathy. Journal of Diabetes and Its Complications, 2011, 25, 114-121.	2.3	5
92	MassUntangler: A novel alignment tool for label-free liquid chromatographyâ€“mass spectrometry proteomic data. Journal of Chromatography A, 2011, 1218, 8859-8868.	3.7	16
93	The pleiotropic protein kinase CK2 phosphorylates HTLV-1 Tax protein in vitro, targeting its PDZ-binding motif. Virus Genes, 2010, 41, 149-157.	1.6	26
94	Golgi apparatus casein kinase phosphorylates bioactive Serâ€6 of bone morphogenetic protein 15 and growth and differentiation factor 9. FEBS Letters, 2010, 584, 801-805.	2.8	24
95	The Effects of Rosiglitazone and High Glucose on Protein Expression in Endothelial Cells. Journal of Proteome Research, 2010, 9, 578-584.	3.7	7
96	Proteomic Analysis of Clonal Interstitial Aortic Valve Cells Acquiring a Pro-calcific Profile. Journal of Proteome Research, 2010, 9, 5913-5921.	3.7	33
97	Quantification of Membrane Proteins Using Nonspecific Protease Digestions. Journal of Proteome Research, 2009, 8, 5666-5673.	3.7	11
98	Parallel postâ€source decay for increasing protein identification confidence levels from 2â€Ð gels. Proteomics, 2008, 8, 1771-1779.	2.2	1
99	Abnormal cytoskeletal protein expression in cultured skin fibroblasts from type 1 diabetes mellitus patients with nephropathy: A proteomic approach. Proteomics - Clinical Applications, 2008, 2, 492-503.	1.6	14
100	Oxidative metabolism of dopamine: A colour reaction from human midbrain analysed by mass spectrometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1687-1693.	2.3	18
101	Glycolytic enzyme expression and pyruvate kinase activity in cultured fibroblasts from type 1 diabetic patients with and without nephropathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 627-633.	3.8	22
102	Modulation of Protein Kinase CK2 Activity by Fragments of CFTR Encompassing F508 May Reflect Functional Links with Cystic Fibrosis Pathogenesis. Biochemistry, 2008, 47, 7925-7936.	2.5	39
103	Lamin A Ser404 Is a Nuclear Target of Akt Phosphorylation in C2C12 Cells. Journal of Proteome Research, 2008, 7, 4727-4735.	3.7	79
104	Mass Spectrometry Analysis of a Protein Kinase CK2Î² Subunit Interactome Isolated from Mouse Brain by Affinity Chromatography. Journal of Proteome Research, 2008, 7, 990-1000.	3.7	33
105	Development of Reagents for Differential Protein Quantitation by Subtractive Parent (Precursor) Ion Scanning. Journal of Proteome Research, 2007, 6, 1101-1113.	3.7	3
106	Altered Chaperone and Protein Turnover Regulators Expression in Cultured Skin Fibroblasts from Type 1 Diabetes Mellitus with Nephropathy. Journal of Proteome Research, 2007, 6, 976-986.	3.7	25
107	Role of Protein Kinase CK2 in the Retinoic Acid-Induced Differentiation of Acute Promyelocytic Leukemia Cells.. Blood, 2007, 110, 879-879.	1.4	1
108	Comparison of MS/MS Methods for Protein Identification from 2D-PAGE. Journal of Proteome Research, 2006, 5, 2294-2300.	3.7	9

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109	140 Mouse Brain Proteins Identified by Ca2+-Calmodulin Affinity Chromatography and Tandem Mass Spectrometry. Journal of Proteome Research, 2006, 5, 669-687.	3.7	76
110	Chemical derivatization of phosphoserine and phosphothreonine containing peptides to increase sensitivity for MALDI-based analysis and for selectivity of MS/MS analysis. Proteomics, 2006, 6, 757-766.	2.2	61
111	Analysis of a sub-proteome which co-purifies with and is phosphorylated by the Golgi casein kinase. Cellular and Molecular Life Sciences, 2006, 63, 378-389.	5.4	31
112	Proteome Analysis of Cultured Fibroblasts from Type 1 Diabetic Patients and Normal Subjects. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3507-3514.	3.6	23
113	Protein kinase CK2 phosphorylates and upregulates Akt/PKB. Cell Death and Differentiation, 2005, 12, 668-677.	11.2	291
114	Phosphorylation of Calmodulin Fragments by Protein Kinase CK2. Mechanistic Aspects and Structural Consequences. Biochemistry, 2004, 43, 12788-12798.	2.5	31
115	Analysis of the interaction between piD261/Bud32, an evolutionarily conserved protein kinase of Saccharomyces cerevisiae, and the Grx4 glutaredoxin. Biochemical Journal, 2004, 377, 395-405.	3.7	60
116	Mitochondrial Alterations Induced by the p13II Protein of Human T-cell Leukemia Virus Type 1. Journal of Biological Chemistry, 2002, 277, 34424-34433.	3.4	65
117	Structureâ€“function analysis of yeast piD261/Bud32, an atypical protein kinase essential for normal cell life. Biochemical Journal, 2002, 364, 457-463.	3.7	40