Sara Rinalducci

List of Publications by Year in descending order

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66 papers	3,102 citations	186209 28 h-index	161767 54 g-index
66 all docs	66 docs citations	66 times ranked	4105 citing authors

#	Article	IF	Citations
1	An update on red blood cell storage lesions, as gleaned through biochemistry and omics technologies. Transfusion, 2015, 55, 205-219.	0.8	297
2	Metabolomics and proteomics reveal drought-stress responses of leaf tissues from spring-wheat. Scientific Reports, 2018, 8, 5710.	1.6	205
3	Proteomic Analysis of RBC Membrane Protein Degradation during Blood Storage. Journal of Proteome Research, 2007, 6, 3242-3255.	1.8	145
4	Redox proteomics: basic principles and future perspectives for the detection of protein oxidation in plants. Journal of Experimental Botany, 2008, 59, 3781-3801.	2.4	143
5	Low temperature tolerance in plants: Changes at the protein level. Phytochemistry, 2015, 117, 76-89.	1.4	139
6	Alterations of red blood cell metabolome during cold liquid storage of erythrocyte concentrates in CPDâ€“SAGM. Journal of Proteomics, 2012, 76, 168-180.	1.2	131
7	Proteomics as a Complementary Tool for Identifying Unintended Side Effects Occurring in Transgenic Maize Seeds As a Result of Genetic Modifications. Journal of Proteome Research, 2008, 7, 1850-1861.	1.8	120
8	Peroxiredoxinâ€2 as a candidate biomarker to test oxidative stress levels of stored red blood cells under blood bank conditions. Transfusion, 2011, 51, 1439-1449.	0.8	115
9	Protein nitration during defense response in Arabidopsis thaliana. Electrophoresis, 2009, 30, 2460-2468.	1.3	111
10	Love me tender: An Omics window on the bovine meat tenderness network. Journal of Proteomics, 2012, 75, 4360-4380.	1.2	107
11	Iron stabilizes thylakoid proteinâ€“pigment complexes in Indian mustard during Cd-phytoremediation as revealed by BN-SDS-PAGE and ESI-MS/MS. Journal of Plant Physiology, 2010, 167, 761-770.	1.6	93
12	Exploring the Platelet Proteome via Combinatorial, Hexapeptide Ligand Libraries. Journal of Proteome Research, 2007, 6, 4290-4303.	1.8	89
13	Purification and characterization of phycocyanin from the blue-green alga Aphanizomenon flos-aquaeâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 12-18.	1.2	87
14	Formation of radicals from singlet oxygen produced during photoinhibition of isolated light-harvesting proteins of photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1608, 63-73.	0.5	86
15	Proteomic analysis of a spring wheat cultivar in response to prolonged cold stress. Electrophoresis, 2011, 32, 1807-1818.	1.3	83
16	Involvement of Active Oxygen Species in Degradation of Light-Harvesting Proteins under Light Stressesâ€. Biochemistry, 2002, 41, 14391-14402.	1.2	61
17	Novel Protein Phosphorylation Site Identification in Spinach Stroma Membranes by Titanium Dioxide Microcolumns and Tandem Mass Spectrometry. Journal of Proteome Research, 2006, 5, 973-982.	1.8	57
18	The influence of temperature on plant development in a vernalization-requiring winter wheat: A 2-DE based proteomic investigation. Journal of Proteomics, 2011, 74, 643-659.	1.2	57

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19	Stenotrophomonas maltophiliaSeITE02, a New Bacterial Strain Suitable for Bioremediation of Selenite-Contaminated Environmental Matrices. Applied and Environmental Microbiology, 2007, 73, 6854-6863.	1.4	53
20	CDK1 phosphorylates WRN at collapsed replication forks. Nature Communications, 2016, 7, 12880.	5.8	48
21	Proteomics of Light-Harvesting Proteins in Different Plant Species. Analysis and Comparison by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. Photosystem I. Plant Physiology, 2002, 130, 1938-1950.	2.3	43
22	Proteomic analysis of Oenococcus oeni freezeâ€dried culture to assess the importance of cell acclimation to conduct malolactic fermentation in wine. Electrophoresis, 2009, 30, 2988-2995.	1.3	41
23	Oxidative stress-dependent oligomeric status of erythrocyte peroxiredoxin II (PrxII) during storage under standard blood banking conditions. Biochimie, 2011, 93, 845-853.	1.3	40
24	Synergistic effect of trichostatin A and 5â€azaâ€2â€²â€deoxycytidine on growth inhibition of pancreatic endocrine tumour cell lines: A proteomic study. Proteomics, 2009, 9, 1952-1966.	1.3	37
25	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. Proteomics, 2007, 7, 1644-1653.	1.3	34
26	Oxidative stress and caspase-mediated fragmentation of cytoplasmic domain of erythrocyte band 3 during blood storage. Blood Transfusion, 2012, 10 Suppl 2, s55-62.	0.3	34
27	Capturing and amplifying impurities from purified recombinant monoclonal antibodiesvia peptide library beads: A proteomic study. Proteomics, 2007, 7, 1624-1633.	1.3	32
28	Generation of reactive oxygen species upon strong visible light irradiation of isolated phycobilisomes from Synechocystis PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 417-424.	0.5	32
29	Phosphorylation by CK2 regulates MUS81/EME1 in mitosis and after replication stress. Nucleic Acids Research, 2018, 46, 5109-5124.	6.5	29
30	Signal transduction pathways of mantle cell lymphoma: A phosphoproteomeâ€based study. Proteomics, 2008, 8, 4495-4506.	1.3	28
31	Effect of moderate UV-B irradiation on Synechocystis PCC 6803 biliproteins. Biochemical and Biophysical Research Communications, 2006, 341, 1105-1112.	1.0	26
32	Functional studies of the Synechocystis phycobilisomes organization by high performance liquid chromatography on line with a mass spectrometer. FEBS Journal, 2002, 269, 1534-1542.	0.2	24
33	Thiolâ€based regulation of glyceraldehydeâ€3â€phosphate dehydrogenase in blood bankâ€“stored red blood cells: a strategy to counteract oxidative stress. Transfusion, 2015, 55, 499-506.	0.8	24
34	Oligomeric Characterization of the Photosynthetic Apparatus of Rhodobacter sphaeroides R26.1 by Nondenaturing Electrophoresis Methods. Journal of Proteome Research, 2010, 9, 192-203.	1.8	23
35	Red blood cell storage affects the stability of cytosolic native protein complexes. Transfusion, 2015, 55, 1927-1936.	0.8	23
36	Changes in morphology, cell wall composition and soluble proteome in Rhodobacter sphaeroides cells exposed to chromate. BioMetals, 2012, 25, 939-949.	1.8	22

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37	Native Protein Complexes in the Cytoplasm of Red Blood Cells. Journal of Proteome Research, 2013, 12, 3529-3546.	1.8	22
38	Redox proteomics and drug development. Journal of Proteomics, 2011, 74, 2575-2595.	1.2	21
39	Biochemistry of storage lesions of red cell and platelet concentrates: A continuous fight implying oxidative/nitrosative/phosphorylative stress and signaling. Transfusion and Apheresis Science, 2015, 52, 262-269.	0.5	20
40	Proteomic analysis of photosystem I components from different plant species. Proteomics, 2007, 7, 1866-1876.	1.3	19
41	Effect of tannic acid on Lactobacillus plantarum wine strain during starvation: A proteomic study. Electrophoresis, 2009, 30, 957-965.	1.3	19
42	Equipping Durum Wheatâ€"Thinopyrum ponticum Recombinant Lines With a Thinopyrum elongatum Major QTL for Resistance to Fusarium Diseases Through a Cytogenetic Strategy. Frontiers in Plant Science, 2019, 10, 1324.	1.7	19
43	Depletion of hemoglobin and carbonic anhydrase from erythrocyte cytosolic samples by preparative clear native electrophoresis. Nature Protocols, 2012, 7, 36-44.	5.5	18
44	Formation of Truncated Proteins and High-Molecular-Mass Aggregates upon Soft Illumination of Photosynthetic Proteins. Journal of Proteome Research, 2005, 4, 2327-2337.	1.8	17
45	Classic and alternative red blood cell storage strategies: seven years of "-omics" investigations. Blood Transfusion, 2015, 13, 21-31.	0.3	17
46	Analysis of TAp73-Dependent Signaling via Omics Technologies. Journal of Proteome Research, 2013, 12, 4207-4220.	1.8	16
47	Label-free quantitation of phosphopeptide changes in erythrocyte membranes: towards molecular mechanisms underlying deformability alterations in stored red blood cells. Haematologica, 2014, 99, e122-e125.	1.7	16
48	Targeted quantitative phosphoproteomic analysis of erythrocyte membranes during blood bank storage. Journal of Mass Spectrometry, 2015, 50, 326-335.	0.7	16
49	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystemsÂI andÂII antenna proteins. Electrophoresis, 2004, 25, 1353-1366.	1.3	15
50	De novo sequence analysis and intact mass measurements for characterization of phycocyanin subunit isoforms from the blueâ€green alga Aphanizomenon flosâ€aquae. Journal of Mass Spectrometry, 2009, 44, 503-515.	0.7	14
51	Proteomic analysis of plasma derived from platelet buffy coats during storage at room temperature. An application of ProteoMinerâ„¢ technology. Platelets, 2011, 22, 252-269.	1.1	14
52	Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. Pharmacological Research, 2021, 166, 105488.	3.1	14
53	Vesiculation of Red Blood Cells in the Blood Bank: A Multi-Omics Approach towards Identification of Causes and Consequences. Proteomes, 2020, 8, 6.	1.7	12
54	The photosynthetic membrane proteome of Rhodobacter sphaeroides R-26.1 exposed to cobalt. Research in Microbiology, 2011, 162, 520-527.	1.0	11

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55	Hydrazide derivatives produce active oxygen species as hydrazine. Bioorganic Chemistry, 2005, 33, 459-469.	2.0	10
56	An easy preparative gel electrophoretic method for targeted depletion of hemoglobin in erythrocyte cytosolic samples. Electrophoresis, 2011, 32, 1319-1322.	1.3	10
57	Leukoreduction makes a difference: A pair proteomics study of extracellular vesicles in red blood cell units. Transfusion and Apheresis Science, 2021, 60, 103166.	0.5	9
58	Nutraceutical Strategy to Counteract Eye Neurodegeneration and Oxidative Stress in Drosophila melanogaster Fed with High-Sugar Diet. Antioxidants, 2021, 10, 1197.	2.2	9
59	Expression and characterization of a new isoform of the 9ÂkDa allergenic lipid transfer protein from tomato (variety San Marzano). Plant Physiology and Biochemistry, 2015, 96, 64-71.	2.8	8
60	Testosterone replacement therapy in insulinâ€sensitive hypogonadal men restores phosphatidylcholine levels by regulation of arachidonic acid metabolism. Journal of Cellular and Molecular Medicine, 2020, 24, 8266-8269.	1.6	8
61	Nicotiana tabacumprotoplasts secretome can evidence relations among regulatory elements of exocytosis mechanisms. Plant Signaling and Behavior, 2011, 6, 1140-1145.	1.2	7
62	Way out/way in: How the relationship between WRN and CDK1 may change the fate of collapsed replication forks. Molecular and Cellular Oncology, 2017, 4, e1268243.	0.3	7
63	Redox Status, Procoagulant Activity, and Metabolome of Fresh Frozen Plasma in Glucose 6-Phosphate Dehydrogenase Deficiency. Frontiers in Medicine, 2018, 5, 16.	1.2	7
64	Separation and Identification of Photosynthetic Antenna Membrane Proteins by High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry. European Journal of Mass Spectrometry, 2004, 10, 321-333.	0.5	5
65	Untargeted Metabolomics of Plant Leaf Tissues. Methods in Molecular Biology, 2019, 1978, 187-195.	0.4	2
66	What Can Small Molecules Tell Us About Cold Stress Tolerance in Plants?. , 2018, , 127-157.		1