

# Sara Rinalducci

## List of Publications by Citations

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65  
papers

2,462  
citations

27  
h-index

48  
g-index

66  
ext. papers

2,840  
ext. citations

4.7  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
65	An update on red blood cell storage lesions, as gleaned through biochemistry and omics technologies. <i>Transfusion</i> , <b>2015</b> , 55, 205-19	2.9	214
64	Proteomic analysis of RBC membrane protein degradation during blood storage. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 3242-55	5.6	125
63	Redox proteomics: basic principles and future perspectives for the detection of protein oxidation in plants. <i>Journal of Experimental Botany</i> , <b>2008</b> , 59, 3781-801	7	118
62	Alterations of red blood cell metabolome during cold liquid storage of erythrocyte concentrates in CPD-SAGM. <i>Journal of Proteomics</i> , <b>2012</b> , 76 Spec No., 168-80	3.9	113
61	Metabolomics and proteomics reveal drought-stress responses of leaf tissues from spring-wheat. <i>Scientific Reports</i> , <b>2018</b> , 8, 5710	4.9	111
60	Proteomics as a complementary tool for identifying unintended side effects occurring in transgenic maize seeds as a result of genetic modifications. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 1850-61	5.6	111
59	Protein nitration during defense response in <i>Arabidopsis thaliana</i> . <i>Electrophoresis</i> , <b>2009</b> , 30, 2460-8	3.6	103
58	Low temperature tolerance in plants: Changes at the protein level. <i>Phytochemistry</i> , <b>2015</b> , 117, 76-89	4	101
57	Love me tender: an Omics window on the bovine meat tenderness network. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4360-80	3.9	87
56	Peroxiredoxin-2 as a candidate biomarker to test oxidative stress levels of stored red blood cells under blood bank conditions. <i>Transfusion</i> , <b>2011</b> , 51, 1439-49	2.9	82
55	Exploring the platelet proteome via combinatorial, hexapeptide ligand libraries. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 4290-303	5.6	79
54	Formation of radicals from singlet oxygen produced during photoinhibition of isolated light-harvesting proteins of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2004</b> , 1608, 63-73	4.6	77
53	Iron stabilizes thylakoid protein-pigment complexes in Indian mustard during Cd-phytoremediation as revealed by BN-SDS-PAGE and ESI-MS/MS. <i>Journal of Plant Physiology</i> , <b>2010</b> , 167, 761-70	3.6	75
52	Purification and characterization of phycocyanin from the blue-green alga <i>Aphanizomenon flos-aquae</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 833, 12-8	3.2	73
51	Proteomic analysis of a spring wheat cultivar in response to prolonged cold stress. <i>Electrophoresis</i> , <b>2011</b> , 32, 1807-18	3.6	69
50	Involvement of active oxygen species in degradation of light-harvesting proteins under light stresses. <i>Biochemistry</i> , <b>2002</b> , 41, 14391-402	3.2	55
49	Novel protein phosphorylation site identification in spinach stroma membranes by titanium dioxide microcolumns and tandem mass spectrometry. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 973-82	5.6	53

48	The influence of temperature on plant development in a vernalization-requiring winter wheat: A 2-DE based proteomic investigation. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 643-59	3.9	51
47	<i>Stenotrophomonas maltophilia</i> SeITE02, a new bacterial strain suitable for bioremediation of selenite-contaminated environmental matrices. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 6854-63	4.8	41
46	Proteomics of light-harvesting proteins in different plant species. Analysis and comparison by liquid chromatography-electrospray ionization mass spectrometry. Photosystem I. <i>Plant Physiology</i> , <b>2002</b> , 130, 1938-50	6.6	39
45	Proteomic analysis of <i>Oenococcus oeni</i> freeze-dried culture to assess the importance of cell acclimation to conduct malolactic fermentation in wine. <i>Electrophoresis</i> , <b>2009</b> , 30, 2988-2995	3.6	37
44	CDK1 phosphorylates WRN at collapsed replication forks. <i>Nature Communications</i> , <b>2016</b> , 7, 12880	17.4	35
43	Oxidative stress-dependent oligomeric status of erythrocyte peroxiredoxin II (PrxII) during storage under standard blood banking conditions. <i>Biochimie</i> , <b>2011</b> , 93, 845-53	4.6	35
42	Synergistic effect of trichostatin A and 5-aza-2-Deoxycytidine on growth inhibition of pancreatic endocrine tumour cell lines: a proteomic study. <i>Proteomics</i> , <b>2009</b> , 9, 1952-66	4.8	34
41	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. <i>Proteomics</i> , <b>2007</b> , 7, 1644-53	4.8	31
40	Capturing and amplifying impurities from purified recombinant monoclonal antibodies via peptide library beads: a proteomic study. <i>Proteomics</i> , <b>2007</b> , 7, 1624-33	4.8	29
39	Generation of reactive oxygen species upon strong visible light irradiation of isolated phycobilisomes from <i>Synechocystis</i> PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 417-24	4.6	27
38	Signal transduction pathways of mantle cell lymphoma: a phosphoproteome-based study. <i>Proteomics</i> , <b>2008</b> , 8, 4495-506	4.8	26
37	Effect of moderate UV-B irradiation on <i>Synechocystis</i> PCC 6803 biliproteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 341, 1105-12	3.4	24
36	Oxidative stress and caspase-mediated fragmentation of cytoplasmic domain of erythrocyte band 3 during blood storage. <i>Blood Transfusion</i> , <b>2012</b> , 10 Suppl 2, s55-62	3.6	23
35	Native protein complexes in the cytoplasm of red blood cells. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3529-46	5.6	22
34	Red blood cell storage affects the stability of cytosolic native protein complexes. <i>Transfusion</i> , <b>2015</b> , 55, 1927-36	2.9	20
33	Oligomeric characterization of the photosynthetic apparatus of <i>Rhodobacter sphaeroides</i> R26.1 by non-denaturing electrophoresis methods. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 192-203	5.6	20
32	Thiol-based regulation of glyceraldehyde-3-phosphate dehydrogenase in blood bank-stored red blood cells: a strategy to counteract oxidative stress. <i>Transfusion</i> , <b>2015</b> , 55, 499-506	2.9	19
31	Functional studies of the <i>Synechocystis</i> phycobilisomes organization by high performance liquid chromatography on line with a mass spectrometer. <i>FEBS Journal</i> , <b>2002</b> , 269, 1534-42		19

30	Redox proteomics and drug development. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 2575-95	3.9	18
29	Changes in morphology, cell wall composition and soluble proteome in <i>Rhodobacter sphaeroides</i> cells exposed to chromate. <i>BioMetals</i> , <b>2012</b> , 25, 939-49	3.4	17
28	Analysis of TAp73-dependent signaling via omics technologies. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4207-20	5.6	16
27	Proteomic analysis of photosystem I components from different plant species. <i>Proteomics</i> , <b>2007</b> , 7, 1866-76	4.75	16
26	Effect of tannic acid on <i>Lactobacillus plantarum</i> wine strain during starvation: A proteomic study. <i>Electrophoresis</i> , <b>2009</b> , 30, 957-65	3.6	15
25	Classic and alternative red blood cell storage strategies: seven years of "-omics" investigations. <i>Blood Transfusion</i> , <b>2015</b> , 13, 21-31	3.6	15
24	Depletion of hemoglobin and carbonic anhydrase from erythrocyte cytosolic samples by preparative clear native electrophoresis. <i>Nature Protocols</i> , <b>2011</b> , 7, 36-44	18.8	15
23	Biochemistry of storage lesions of red cell and platelet concentrates: A continuous fight implying oxidative/nitrosative/phosphorylative stress and signaling. <i>Transfusion and Apheresis Science</i> , <b>2015</b> , 52, 262-9	2.4	14
22	Formation of truncated proteins and high-molecular-mass aggregates upon soft illumination of photosynthetic proteins. <i>Journal of Proteome Research</i> , <b>2005</b> , 4, 2327-37	5.6	14
21	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystems I and II antenna proteins. <i>Electrophoresis</i> , <b>2004</b> , 25, 1353-66	3.6	13
20	Proteomic analysis of plasma derived from platelet buffy coats during storage at room temperature. An application of ProteoMiner <sup>®</sup> technology. <i>Platelets</i> , <b>2011</b> , 22, 252-69	3.6	12
19	Phosphorylation by CK2 regulates MUS81/EME1 in mitosis and after replication stress. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 5109-5124	20.1	11
18	Label-free quantitation of phosphopeptide changes in erythrocyte membranes: towards molecular mechanisms underlying deformability alterations in stored red blood cells. <i>Haematologica</i> , <b>2014</b> , 99, e122-5	6.6	11
17	Targeted quantitative phosphoproteomic analysis of erythrocyte membranes during blood bank storage. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 326-35	2.2	11
16	The photosynthetic membrane proteome of <i>Rhodobacter sphaeroides</i> R-26.1 exposed to cobalt. <i>Research in Microbiology</i> , <b>2011</b> , 162, 520-7	4	10
15	Equipping Durum Wheat- Recombinant Lines With a Major QTL for Resistance to Fusarium Diseases Through a Cytogenetic Strategy. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1324	6.2	9
14	An easy preparative gel electrophoretic method for targeted depletion of hemoglobin in erythrocyte cytosolic samples. <i>Electrophoresis</i> , <b>2011</b> , 32, 1319-22	3.6	9
13	De novo sequence analysis and intact mass measurements for characterization of phycocyanin subunit isoforms from the blue-green alga <i>Aphanizomenon flos-aquae</i> . <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 503-15	2.2	9

12	Hydrazide derivatives produce active oxygen species as hydrazine. <i>Bioorganic Chemistry</i> , <b>2005</b> , 33, 459-69.	3.1	9
11	Nicotiana tabacum protoplasts secretome can evidence relations among regulatory elements of exocytosis mechanisms. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 1140-5	2.5	7
10	Expression and characterization of a new isoform of the 9 kDa allergenic lipid transfer protein from tomato (variety San Marzano). <i>Plant Physiology and Biochemistry</i> , <b>2015</b> , 96, 64-71	5.4	6
9	Vesiculation of Red Blood Cells in the Blood Bank: A Multi-Omics Approach towards Identification of Causes and Consequences. <i>Proteomes</i> , <b>2020</b> , 8,	4.6	6
8	Redox Status, Procoagulant Activity, and Metabolome of Fresh Frozen Plasma in Glucose 6-Phosphate Dehydrogenase Deficiency. <i>Frontiers in Medicine</i> , <b>2018</b> , 5, 16	4.9	5
7	Way out/way in: How the relationship between WRN and CDK1 may change the fate of collapsed replication forks. <i>Molecular and Cellular Oncology</i> , <b>2017</b> , 4, e1268243	1.2	4
6	Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. <i>Pharmacological Research</i> , <b>2021</b> , 166, 105488	10.2	4
5	Separation and identification of photosynthetic antenna membrane proteins by high- performance liquid chromatography electrospray ionization mass spectrometry. <i>European Journal of Mass Spectrometry</i> , <b>2004</b> , 10, 321-33	1.1	3
4	Untargeted Metabolomics of Plant Leaf Tissues. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1978, 187-195	1.4	1
3	Testosterone replacement therapy in insulin-sensitive hypogonadal men restores phosphatidylcholine levels by regulation of arachidonic acid metabolism. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 8266-8269	5.6	1
2	Leukoreduction makes a difference: A pair proteomics study of extracellular vesicles in red blood cell units. <i>Transfusion and Apheresis Science</i> , <b>2021</b> , 60, 103166	2.4	1
1	What Can Small Molecules Tell Us About Cold Stress Tolerance in Plants? <b>2018</b> , 127-157		1