

# Sara Rinalducci

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

3,102  
citations

185998

28  
h-index

161609

54  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. <i>Pharmacological Research</i> , 2021, 166, 105488.	3.1	14
2	Leukoreduction makes a difference: A pair proteomics study of extracellular vesicles in red blood cell units. <i>Transfusion and Apheresis Science</i> , 2021, 60, 103166.	0.5	9
3	Nutraceutical Strategy to Counteract Eye Neurodegeneration and Oxidative Stress in <i>Drosophila melanogaster</i> Fed with High-Sugar Diet. <i>Antioxidants</i> , 2021, 10, 1197.	2.2	9
4	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> , 2020, 24, 8266-8269.	1.6	8
5	Vesiculation of Red Blood Cells in the Blood Bank: A Multi-Omics Approach towards Identification of Causes and Consequences. <i>Proteomes</i> , 2020, 8, 6.	1.7	12
6	Equipping Durum Wheat "Thinopyrum ponticum Recombinant Lines With a Thinopyrum elongatum Major QTL for Resistance to Fusarium Diseases Through a Cytogenetic Strategy. <i>Frontiers in Plant Science</i> , 2019, 10, 1324.	1.7	19
7	Untargeted Metabolomics of Plant Leaf Tissues. <i>Methods in Molecular Biology</i> , 2019, 1978, 187-195.	0.4	2
8	Metabolomics and proteomics reveal drought-stress responses of leaf tissues from spring-wheat. <i>Scientific Reports</i> , 2018, 8, 5710.	1.6	205
9	What Can Small Molecules Tell Us About Cold Stress Tolerance in Plants?., 2018, , 127-157.		1
10	Redox Status, Procoagulant Activity, and Metabolome of Fresh Frozen Plasma in Glucose 6-Phosphate Dehydrogenase Deficiency. <i>Frontiers in Medicine</i> , 2018, 5, 16.	1.2	7
11	Phosphorylation by CK2 regulates MUS81/EME1 in mitosis and after replication stress. <i>Nucleic Acids Research</i> , 2018, 46, 5109-5124.	6.5	29
12	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> , 2017, 4, e1268243.	0.3	7
13	CDK1 phosphorylates WRN at collapsed replication forks. <i>Nature Communications</i> , 2016, 7, 12880.	5.8	48
14	Red blood cell storage affects the stability of cytosolic native protein complexes. <i>Transfusion</i> , 2015, 55, 1927-1936.	0.8	23
15	Targeted quantitative phosphoproteomic analysis of erythrocyte membranes during blood bank storage. <i>Journal of Mass Spectrometry</i> , 2015, 50, 326-335.	0.7	16
16	Low temperature tolerance in plants: Changes at the protein level. <i>Phytochemistry</i> , 2015, 117, 76-89.	1.4	139
17	Thiol-based regulation of glyceraldehyde-3-phosphate dehydrogenase in blood bank-stored red blood cells: a strategy to counteract oxidative stress. <i>Transfusion</i> , 2015, 55, 499-506.	0.8	24
18	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> , 2015, 52, 262-269.	0.5	20

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19	Expression and characterization of a new isoform of the 9ÅkDa allergenic lipid transfer protein from tomato (variety San Marzano). <i>Plant Physiology and Biochemistry</i> , 2015, 96, 64-71.	2.8	8
20	An update on red blood cell storage lesions, as gleaned through biochemistry and omics technologies. <i>Transfusion</i> , 2015, 55, 205-219.	0.8	297
21	Classic and alternative red blood cell storage strategies: seven years of "-omics" investigations. <i>Blood Transfusion</i> , 2015, 13, 21-31.	0.3	17
22	Label-free quantitation of phosphopeptide changes in erythrocyte membranes: towards molecular mechanisms underlying deformability alterations in stored red blood cells. <i>Haematologica</i> , 2014, 99, e122-e125.	1.7	16
23	Native Protein Complexes in the Cytoplasm of Red Blood Cells. <i>Journal of Proteome Research</i> , 2013, 12, 3529-3546.	1.8	22
24	Analysis of TAp73-Dependent Signaling via Omics Technologies. <i>Journal of Proteome Research</i> , 2013, 12, 4207-4220.	1.8	16
25	Changes in morphology, cell wall composition and soluble proteome in <i>Rhodobacter sphaeroides</i> cells exposed to chromate. <i>BioMetals</i> , 2012, 25, 939-949.	1.8	22
26	Alterations of red blood cell metabolome during cold liquid storage of erythrocyte concentrates in CPDâ€“SAGM. <i>Journal of Proteomics</i> , 2012, 76, 168-180.	1.2	131
27	Love me tender: An Omics window on the bovine meat tenderness network. <i>Journal of Proteomics</i> , 2012, 75, 4360-4380.	1.2	107
28	Depletion of hemoglobin and carbonic anhydrase from erythrocyte cytosolic samples by preparative clear native electrophoresis. <i>Nature Protocols</i> , 2012, 7, 36-44.	5.5	18
29	Oxidative stress and caspase-mediated fragmentation of cytoplasmic domain of erythrocyte band 3 during blood storage. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s55-62.	0.3	34
30	Proteomic analysis of plasma derived from platelet buffy coats during storage at room temperature. An application of ProteoMinerâ„¢ technology. <i>Platelets</i> , 2011, 22, 252-269.	1.1	14
31	Redox proteomics and drug development. <i>Journal of Proteomics</i> , 2011, 74, 2575-2595.	1.2	21
32	The photosynthetic membrane proteome of <i>Rhodobacter sphaeroides</i> R-26.1 exposed to cobalt. <i>Research in Microbiology</i> , 2011, 162, 520-527.	1.0	11
33	Oxidative stress-dependent oligomeric status of erythrocyte peroxiredoxin II (PrxII) during storage under standard blood banking conditions. <i>Biochimie</i> , 2011, 93, 845-853.	1.3	40
34	Peroxiredoxinâ€“2 as a candidate biomarker to test oxidative stress levels of stored red blood cells under blood bank conditions. <i>Transfusion</i> , 2011, 51, 1439-1449.	0.8	115
35	An easy preparative gel electrophoretic method for targeted depletion of hemoglobin in erythrocyte cytosolic samples. <i>Electrophoresis</i> , 2011, 32, 1319-1322.	1.3	10
36	Proteomic analysis of a spring wheat cultivar in response to prolonged cold stress. <i>Electrophoresis</i> , 2011, 32, 1807-1818.	1.3	83

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37	The influence of temperature on plant development in a vernalization-requiring winter wheat: A 2-DE based proteomic investigation. <i>Journal of Proteomics</i> , 2011, 74, 643-659.	1.2	57
38	<i>Nicotiana tabacum</i> protoplasts secretome can evidence relations among regulatory elements of exocytosis mechanisms. <i>Plant Signaling and Behavior</i> , 2011, 6, 1140-1145.	1.2	7
39	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> , 2010, 167, 761-770.	1.6	93
40	Oligomeric Characterization of the Photosynthetic Apparatus of <i>Rhodobacter sphaeroides</i> R26.1 by Nondenaturing Electrophoresis Methods. <i>Journal of Proteome Research</i> , 2010, 9, 192-203.	1.8	23
41	Effect of tannic acid on <i>Lactobacillus plantarum</i> wine strain during starvation: A proteomic study. <i>Electrophoresis</i> , 2009, 30, 957-965.	1.3	19
42	Protein nitration during defense response in <i>Arabidopsis thaliana</i> . <i>Electrophoresis</i> , 2009, 30, 2460-2468.	1.3	111
43	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> , 2009, 30, 2988-2995.	1.3	41
44	<i>De novo</i> 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> , 2009, 44, 503-515.	0.7	14
45	Synergistic effect of trichostatin A and 5-azadeoxycytidine on growth inhibition of pancreatic endocrine tumour cell lines: A proteomic study. <i>Proteomics</i> , 2009, 9, 1952-1966.	1.3	37
46	Signal transduction pathways of mantle cell lymphoma: A phosphoproteome-based study. <i>Proteomics</i> , 2008, 8, 4495-4506.	1.3	28
47	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> , 2008, 1777, 417-424.	0.5	32
48	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> , 2008, 7, 1850-1861.	1.8	120
49	Redox proteomics: basic principles and future perspectives for the detection of protein oxidation in plants. <i>Journal of Experimental Botany</i> , 2008, 59, 3781-3801.	2.4	143
50	<i>Stenotrophomonas maltophilia</i> SelTE02, a New Bacterial Strain Suitable for Bioremediation of Selenite-Contaminated Environmental Matrices. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6854-6863.	1.4	53
51	Exploring the Platelet Proteome via Combinatorial, Hexapeptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2007, 6, 4290-4303.	1.8	89
52	Proteomic Analysis of RBC Membrane Protein Degradation during Blood Storage. <i>Journal of Proteome Research</i> , 2007, 6, 3242-3255.	1.8	145
53	Proteomic analysis of photosystem I components from different plant species. <i>Proteomics</i> , 2007, 7, 1866-1876.	1.3	19
54	Capturing and amplifying impurities from purified recombinant monoclonal antibodies via peptide library beads: A proteomic study. <i>Proteomics</i> , 2007, 7, 1624-1633.	1.3	32

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55	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. <i>Proteomics</i> , 2007, 7, 1644-1653.	1.3	34
56	Novel Protein Phosphorylation Site Identification in Spinach Stroma Membranes by Titanium Dioxide Microcolumns and Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 973-982.	1.8	57
57	Effect of moderate UV-B irradiation on <i>Synechocystis</i> PCC 6803 biliproteins. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 1105-1112.	1.0	26
58	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> , 2006, 833, 12-18.	1.2	87
59	Hydrazide derivatives produce active oxygen species as hydrazine. <i>Bioorganic Chemistry</i> , 2005, 33, 459-469.	2.0	10
60	Formation of Truncated Proteins and High-Molecular-Mass Aggregates upon Soft Illumination of Photosynthetic Proteins. <i>Journal of Proteome Research</i> , 2005, 4, 2327-2337.	1.8	17
61	Intact mass measurements for unequivocal identification of hydrophobic photosynthetic photosystems I and II antenna proteins. <i>Electrophoresis</i> , 2004, 25, 1353-1366.	1.3	15
62	Formation of radicals from singlet oxygen produced during photoinhibition of isolated light-harvesting proteins of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1608, 63-73.	0.5	86
63	Separation and Identification of Photosynthetic Antenna Membrane Proteins by High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 321-333.	0.5	5
64	Proteomics of Light-Harvesting Proteins in Different Plant Species. Analysis and Comparison by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Photosystem I. Plant Physiology</i> , 2002, 130, 1938-1950.	2.3	43
65	Involvement of Active Oxygen Species in Degradation of Light-Harvesting Proteins under Light Stresses. <i>Biochemistry</i> , 2002, 41, 14391-14402.	1.2	61
66	Functional studies of the <i>Synechocystis</i> phycobilisomes organization by high performance liquid chromatography on line with a mass spectrometer. <i>FEBS Journal</i> , 2002, 269, 1534-1542.	0.2	24