

# Simona Arena

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,738  
citations

159585

30  
h-index

182427

51  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteins from bovine tissues and biological fluids: Defining a reference electrophoresis map for liver, kidney, muscle, plasma and red blood cells. <i>Proteomics</i> , 2003, 3, 440-460.	2.2	152
2	Exploring the Chicken Egg White Proteome with Combinatorial Peptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2008, 7, 3461-3474.	3.7	150
3	Proteomic analysis of tomato fruits from two ecotypes during ripening. <i>Proteomics</i> , 2006, 6, 3781-3791.	2.2	148
4	Chloroplast proteome response to drought stress and recovery in tomato ( <i>Solanum lycopersicum</i> L.). <i>BMC Plant Biology</i> , 2017, 17, 40.	3.6	107
5	A proteomic characterization of water buffalo milk fractions describing PTM of major species and the identification of minor components involved in nutrient delivery and defense against pathogens. <i>Proteomics</i> , 2008, 8, 3657-3666.	2.2	94
6	Dairy products and the Maillard reaction: A promising future for extensive food characterization by integrated proteomics studies. <i>Food Chemistry</i> , 2017, 219, 477-489.	8.2	92
7	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. <i>Cell Metabolism</i> , 2022, 34, 533-548.e12.	16.2	91
8	The proteome of lentil ( <i>Lens culinaris</i> Medik.) seeds: Discriminating between landraces. <i>Electrophoresis</i> , 2010, 31, 497-506.	2.4	87
9	Reverse chemical ecology: Olfactory proteins from the giant panda and their interactions with putative pheromones and bamboo volatiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9802-E9810.	7.1	86
10	MALDI-TOF-MS Platform for Integrated Proteomic and Peptidomic Profiling of Milk Samples Allows Rapid Detection of Food Adulterations. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6157-6171.	5.2	80
11	Proteomic analysis of apricot fruit during ripening. <i>Journal of Proteomics</i> , 2013, 78, 39-57.	2.4	76
12	Non-enzymatic glycation and glycoxidation protein products in foods and diseases: An interconnected, complex scenario fully open to innovative proteomic studies. <i>Mass Spectrometry Reviews</i> , 2014, 33, 49-77.	5.4	71
13	Proteomic analysis of temperature stress-responsive proteins in <i>Arabidopsis thaliana</i> rosette leaves. <i>Molecular BioSystems</i> , 2013, 9, 1257.	2.9	69
14	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. <i>Proteomics</i> , 2010, 10, 3414-3434.	2.2	64
15	Proteomic characterization of intermediate and advanced glycation end-products in commercial milk samples. <i>Journal of Proteomics</i> , 2015, 117, 12-23.	2.4	64
16	Proteomic analysis of the major soluble components in Annurca apple flesh. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 255-262.	3.3	62
17	The expression of tomato prosystemin gene in tobacco plants highly affects host proteomic repertoire. <i>Journal of Proteomics</i> , 2008, 71, 176-185.	2.4	59
18	Proteome analysis of <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2004, 4, 2893-2926.	2.2	57

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19	Hyperphosphorylation of JNK-interacting Protein 1, a Protein Associated with Alzheimer Disease. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 97-113.	3.8	57
20	Mass spectrometry for the analysis of protein lactosylation in milk products. <i>Food Research International</i> , 2013, 54, 988-1000.	6.2	55
21	A study of <i>Streptococcus thermophilus</i> proteome by integrated analytical procedures and differential expression investigations. <i>Proteomics</i> , 2006, 6, 181-192.	2.2	51
22	Proteomic changes in <i>Actinidia chinensis</i> shoot during systemic infection with a pandemic <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> strain. <i>Journal of Proteomics</i> , 2013, 78, 461-476.	2.4	50
23	Proteomic Analysis of Erythrocyte Membranes by Soft Immobiline Gels Combined with Differential Protein Extraction. <i>Journal of Proteome Research</i> , 2005, 4, 1304-1309.	3.7	47
24	Overexpression of 14-3-3 proteins enhances cold tolerance and increases levels of stress-responsive proteins of <i>Arabidopsis</i> plants. <i>Plant Science</i> , 2019, 289, 110215.	3.6	47
25	Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 815, 157-168.	2.3	44
26	Redox proteomics of fat globules unveils broad protein lactosylation and compositional changes in milk samples subjected to various technological procedures. <i>Journal of Proteomics</i> , 2011, 74, 2453-2475.	2.4	42
27	Activation of human T lymphocytes under conditions similar to those that occur during exposure to microgravity: A proteomics study. <i>Proteomics</i> , 2005, 5, 1827-1837.	2.2	37
28	Response to biotic and oxidative stress in <i>Arabidopsis thaliana</i> : Analysis of variably phosphorylated proteins. <i>Journal of Proteomics</i> , 2011, 74, 1934-1949.	2.4	36
29	RbAp48 is a Target of Nuclear Factor- $\kappa$ B Activity in Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1458-1466.	3.6	35
30	Tomato susceptibility to <i>Fusarium</i> crown and root rot: Effect of grafting combination and proteomic analysis of tolerance expression in the rootstock. <i>Plant Physiology and Biochemistry</i> , 2014, 83, 207-216.	5.8	34
31	Impairment of enzymatic antioxidant defenses is associated with bilirubin-induced neuronal cell death in the cerebellum of Ugt1 KO mice. <i>Cell Death and Disease</i> , 2015, 6, e1739-e1739.	6.3	33
32	Differential representation of albumins and globulins during grain development in durum wheat and its possible functional consequences. <i>Journal of Proteomics</i> , 2017, 162, 86-98.	2.4	31
33	Analytical methodologies for the detection and structural characterization of phosphorylated proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 849, 163-180.	2.3	30
34	Ovine subclinical mastitis: Proteomic analysis of whey and milk fat globules unveils putative diagnostic biomarkers in milk. <i>Journal of Proteomics</i> , 2013, 83, 144-159.	2.4	30
35	Identification of protein markers for the occurrence of defrosted material in milk through a MALDI-TOF-MS profiling approach. <i>Journal of Proteomics</i> , 2016, 147, 56-65.	2.4	29
36	Identification of Early Represented Gluten Proteins during Durum Wheat Grain Development. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3242-3250.	5.2	28

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37	CA IX Stabilizes Intracellular pH to Maintain Metabolic Reprogramming and Proliferation in Hypoxia. <i>Frontiers in Oncology</i> , 2020, 10, 1462.	2.8	25
38	A widespread picture of the <i>Streptococcus thermophilus</i> proteome by cell lysate fractionation and gel-based/gel-free approaches. <i>Proteomics</i> , 2007, 7, 1420-1433.	2.2	24
39	Proteomics and Redox-Proteomics of the Effects of Herbicides on a Wild-Type Wine <i>Saccharomyces cerevisiae</i> Strain. <i>Journal of Proteome Research</i> , 2009, 8, 256-267.	3.7	24
40	Proteomic Analysis of Eucalyptus Leaves Unveils Putative Mechanisms Involved in the Plant Response to a Real Condition of Soil Contamination by Multiple Heavy Metals in the Presence or Absence of Mycorrhizal/Rhizobacterial Additives. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11487-11496.	10.0	23
41	An Extensive Description of the Peptidomic Repertoire of the Hen Egg Yolk Plasma. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3239-3255.	5.2	23
42	Surfome analysis of a wild-type wine <i>Saccharomyces cerevisiae</i> strain. <i>Food Microbiology</i> , 2011, 28, 1220-1230.	4.2	22
43	Differential proteomic analysis in the study of prokaryotes stress resistance. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2005, 41, 459-68.	0.4	21
44	Proteomics and phosphoproteomics provide insights into the mechanism of action of a novel pyrazolo[3,4-d]pyrimidine Src inhibitor in human osteosarcoma. <i>Molecular BioSystems</i> , 2014, 10, 1305.	2.9	20
45	A multi-approach peptidomic analysis of hen egg white reveals novel putative bioactive molecules. <i>Journal of Proteomics</i> , 2020, 215, 103646.	2.4	20
46	Low-protein/high-carbohydrate diet induces AMPK-dependent canonical and non-canonical thermogenesis in subcutaneous adipose tissue. <i>Redox Biology</i> , 2020, 36, 101633.	9.0	18
47	<i>Lens culinaris</i> Medik. seed proteome: Analysis to identify landrace markers. <i>Plant Science</i> , 2012, 197, 1-9.	3.6	17
48	Differential Proteomic Analysis of Subfractioned Human Hepatocellular Carcinoma Tissues. <i>Journal of Proteome Research</i> , 2009, 8, 2273-2284.	3.7	14
49	Toward an understanding of mechanisms regulating plant response to biochar application. <i>Plant Biosystems</i> , 2019, 153, 163-172.	1.6	14
50	Effects of different nitrogen fertilizers on two wheat cultivars: An integrated approach. <i>Plant Direct</i> , 2018, 2, e00089.	1.9	12
51	Cross-linking reactions in food proteins and proteomic approaches for their detection. <i>Mass Spectrometry Reviews</i> , 2022, 41, 861-898.	5.4	12
52	The expression of the tomato prosystemin in tobacco induces alterations irrespective of its functional domain. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 509-519.	2.3	11
53	Mass Spectrometry-Based Approaches for Structural Studies on Protein Complexes at Low-Resolution. <i>Current Proteomics</i> , 2007, 4, 1-16.	0.3	10
54	Modern strategies to identify new molecular targets for the treatment of liver diseases: The promising role of Proteomics and Redox Proteomics investigations. <i>Proteomics - Clinical Applications</i> , 2009, 3, 242-262.	1.6	10

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55	Mapping phosphoproteins in <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2011, 11, 1351-1358.	2.2	10
56	Elucidating the molecular physiology of lantibiotic NAI-107 production in <i>Microbispora</i> ATCC-PTA-5024. <i>BMC Genomics</i> , 2016, 17, 42.	2.8	10
57	Recent developments in peptidomics for the quali-quantitative analysis of food-derived peptides in human body fluids and tissues. <i>Trends in Food Science and Technology</i> , 2022, 126, 41-60.	15.1	10
58	Selective Ion Tracing and MSnAnalysis of Peptide Digests from FSBA-Treated Kinases for the Analysis of Protein ATP-Binding Sites. <i>Journal of Proteome Research</i> , 2006, 5, 2019-2024.	3.7	9
59	Biochar Administration to San Marzano Tomato Plants Cultivated Under Low-Input Farming Increases Growth, Fruit Yield, and Affects Gene Expression. <i>Frontiers in Plant Science</i> , 2020, 11, 1281.	3.6	9
60	Novel identification of expressed genes and functional classification of hypothetical proteins from <i>Neisseria meningitidis</i> serogroup A. <i>Proteomics</i> , 2007, 7, 3342-3347.	2.2	8
61	The Odorant-Binding Proteins of the Spider Mite <i>Tetranychus urticae</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6828.	4.1	7
62	Cleavage of the APE1 N-Terminal Domain in Acute Myeloid Leukemia Cells Is Associated with Proteasomal Activity. <i>Biomolecules</i> , 2020, 10, 531.	4.0	6
63	Comparative proteomic analysis of durum wheat shoots from modern and ancient cultivars. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 253-262.	5.8	5
64	Monitoring aging of hen egg by integrated quantitative peptidomic procedures. <i>Food Research International</i> , 2021, 140, 110010.	6.2	5
65	A new non-classical fold of varroa odorant-binding proteins reveals a wide open internal cavity. <i>Scientific Reports</i> , 2021, 11, 13172.	3.3	4
66	Reverse Chemical Ecology Suggests Putative Primate Pheromones. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	4
67	Proteomic Characterization of Nonenzymatic Modifications Induced in Bovine Milk Following Thermal Treatments. , 2017, , 241-260.		1
68	Abstract 233: Tumor-associated carbonic anhydrase IX maintains cellular proliferation by regulating tumor metabolism: a novel link revealed by proteomics. , 2020, , .		0