Simona Arena

List of Publications by Year
in descending order

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	Crossâ€linking reactions in food proteins and proteomic approaches for their detection. Mass Spectrometry Reviews, 2022, 41, 861-898.	5.4	12
2	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. Cell Metabolism, 2022, 34, 533-548.e12.	16.2	91
3	Reverse Chemical Ecology Suggests Putative Primate Pheromones. Molecular Biology and Evolution, 2022, 39, .	8.9	4
4	Recent developments in peptidomics for the quali-quantitative analysis of food-derived peptides in human body fluids and tissues. Trends in Food Science and Technology, 2022, 126, 41-60.	15.1	10
5	Monitoring aging of hen egg by integrated quantitative peptidomic procedures. Food Research International, 2021, 140, 110010.	6.2	5
6	The Odorant-Binding Proteins of the Spider Mite Tetranychus urticae. International Journal of Molecular Sciences, 2021, 22, 6828.	4.1	7
7	A new non-classical fold of varroa odorant-binding proteins reveals a wide open internal cavity. Scientific Reports, 2021, 11, 13172.	3.3	4
8	Low-protein/high-carbohydrate diet induces AMPK-dependent canonical and non-canonical thermogenesis in subcutaneous adipose tissue. Redox Biology, 2020, 36, 101633.	9.0	18
9	Biochar Administration to San Marzano Tomato Plants Cultivated Under Low-Input Farming Increases Growth, Fruit Yield, and Affects Gene Expression. Frontiers in Plant Science, 2020, 11, 1281.	3.6	9
10	CA IX Stabilizes Intracellular pH to Maintain Metabolic Reprogramming and Proliferation in Hypoxia. Frontiers in Oncology, 2020, 10, 1462.	2.8	25
11	A multi-approach peptidomic analysis of hen egg white reveals novel putative bioactive molecules. Journal of Proteomics, 2020, 215, 103646.	2.4	20
12	Cleavage of the APE1 N-Terminal Domain in Acute Myeloid Leukemia Cells Is Associated with Proteasomal Activity. Biomolecules, 2020, 10, 531.	4.0	6
13	Abstract 233: Tumor-associated carbonic anhydrase IX maintains cellular proliferation by regulating tumor metabolism: a novel link revealed by proteomics. , 2020, , .		0
14	Overexpression of 14-3-3 proteins enhances cold tolerance and increases levels of stress-responsive proteins of Arabidopsis plants. Plant Science, 2019, 289, 110215.	3.6	47
15	Comparative proteomic analysis of durum wheat shoots from modern and ancient cultivars. Plant Physiology and Biochemistry, 2019, 135, 253-262.	5.8	5
16	Toward an understanding of mechanisms regulating plant response to biochar application. Plant Biosystems, 2019, 153, 163-172.	1.6	14
17	An Extensive Description of the Peptidomic Repertoire of the Hen Egg Yolk Plasma. Journal of Agricultural and Food Chemistry, 2018, 66, 3239-3255.	5.2	23
18	Effects of different nitrogen fertilizers on two wheat cultivars: An integrated approach. Plant Direct, 2018, 2, e00089.	1.9	12

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19	Chloroplast proteome response to drought stress and recovery in tomato (Solanum lycopersicum L.). BMC Plant Biology, 2017, 17, 40.	3.6	107
20	Differential representation of albumins and globulins during grain development in durum wheat and its possible functional consequences. Journal of Proteomics, 2017, 162, 86-98.	2.4	31
21	Identification of Early Represented Gluten Proteins during Durum Wheat Grain Development. Journal of Agricultural and Food Chemistry, 2017, 65, 3242-3250.	5.2	28
22	Reverse chemical ecology: Olfactory proteins from the giant panda and their interactions with putative pheromones and bamboo volatiles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9802-E9810.	7.1	86
23	Dairy products and the Maillard reaction: A promising future for extensive food characterization by integrated proteomics studies. Food Chemistry, 2017, 219, 477-489.	8.2	92
24	Proteomic Characterization of Nonenzymatic Modifications Induced in Bovine Milk Following Thermal Treatments. , 2017, , 241-260.		1
25	The expression of the tomato prosystemin in tobacco induces alterations irrespective of its functional domain. Plant Cell, Tissue and Organ Culture, 2016, 125, 509-519.	2.3	11
26	Elucidating the molecular physiology of lantibiotic NAI-107 production in Microbispora ATCC-PTA-5024. BMC Genomics, 2016, 17, 42.	2.8	10
27	Identification of protein markers for the occurrence of defrosted material in milk through a MALDI-TOF-MS profiling approach. Journal of Proteomics, 2016, 147, 56-65.	2.4	29
28	Impairment of enzymatic antioxidant defenses is associated with bilirubin-induced neuronal cell death in the cerebellum of Ugt1 KO mice. Cell Death and Disease, 2015, 6, e1739-e1739.	6.3	33
29	Proteomic characterization of intermediate and advanced glycation end-products in commercial milk samples. Journal of Proteomics, 2015, 117, 12-23.	2.4	64
30	MALDI-TOF-MS Platform for Integrated Proteomic and Peptidomic Profiling of Milk Samples Allows Rapid Detection of Food Adulterations. Journal of Agricultural and Food Chemistry, 2015, 63, 6157-6171.	5.2	80
31	Nonâ€enzymatic glycation and glycoxidation protein products in foods and diseases: An interconnected, complex scenario fully open to innovative proteomic studies. Mass Spectrometry Reviews, 2014, 33, 49-77.	5.4	71
32	Proteomics and phosphoproteomics provide insights into the mechanism of action of a novel pyrazolo[3,4-d]pyrimidine Src inhibitor in human osteosarcoma. Molecular BioSystems, 2014, 10, 1305.	2.9	20
33	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. Environmental Science & Technology, 2014, 48, 11487-11496.	10.0	23
34	Tomato susceptibility to Fusarium crown and root rot: Effect of grafting combination and proteomic analysis of tolerance expression in the rootstock. Plant Physiology and Biochemistry, 2014, 83, 207-216.	5.8	34
35	Proteomic analysis of temperature stress-responsive proteins in Arabidopsis thaliana rosette leaves. Molecular BioSystems, 2013, 9, 1257.	2.9	69
36	Proteomic changes in Actinidia chinensis shoot during systemic infection with a pandemic Pseudomonas syringae pv. actinidiae strain. Journal of Proteomics, 2013, 78, 461-476.	2.4	50

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37	Ovine subclinical mastitis: Proteomic analysis of whey and milk fat globules unveils putative diagnostic biomarkers in milk. Journal of Proteomics, 2013, 83, 144-159.	2.4	30
38	Proteomic analysis of apricot fruit during ripening. Journal of Proteomics, 2013, 78, 39-57.	2.4	76
39	Mass spectrometry for the analysis of protein lactosylation in milk products. Food Research International, 2013, 54, 988-1000.	6.2	55
40	Lens culinaris Medik. seed proteome: Analysis to identify landrace markers. Plant Science, 2012, 197, 1-9.	3.6	17
41	Redox proteomics of fat globules unveils broad protein lactosylation and compositional changes in milk samples subjected to various technological procedures. Journal of Proteomics, 2011, 74, 2453-2475.	2.4	42
42	Response to biotic and oxidative stress in Arabidopsis thaliana: Analysis of variably phosphorylated proteins. Journal of Proteomics, 2011, 74, 1934-1949.	2.4	36
43	Surfome analysis of a wild-type wine Saccharomyces cerevisiae strain. Food Microbiology, 2011, 28, 1220-1230.	4.2	22
44	Mapping phosphoproteins in <i>Neisseria meningitidis</i> serogroup A. Proteomics, 2011, 11, 1351-1358.	2.2	10
45	The proteome of lentil (Lens culinaris Medik.) seeds: Discriminating between landraces. Electrophoresis, 2010, 31, 497-506.	2.4	87
46	Modern proteomic methodologies for the characterization of lactosylation protein targets in milk. Proteomics, 2010, 10, 3414-3434.	2.2	64
47	Modern strategies to identify new molecular targets for the treatment of liver diseases: The promising role of Proteomics and Redox Proteomics investigations. Proteomics - Clinical Applications, 2009, 3, 242-262.	1.6	10
48	Differential Proteomic Analysis of Subfractioned Human Hepatocellular Carcinoma Tissues. Journal of Proteome Research, 2009, 8, 2273-2284.	3.7	14
49	Proteomics and Redox-Proteomics of the Effects of Herbicides on a Wild-Type Wine<i>Saccharomyces cerevisiae</i>Strain. Journal of Proteome Research, 2009, 8, 256-267.	3.7	24
50	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. Proteomics, 2008, 8, 3657-3666.	2.2	94
51	The expression of tomato prosystemin gene in tobacco plants highly affects host proteomic repertoire. Journal of Proteomics, 2008, 71, 176-185.	2.4	59
52	Exploring the Chicken Egg White Proteome with Combinatorial Peptide Ligand Libraries. Journal of Proteome Research, 2008, 7, 3461-3474.	3.7	150
53	Mass Spectrometry-Based Approaches for Structural Studies on Protein Complexes at Low-Resolution. Current Proteomics, 2007, 4, 1-16.	0.3	10
54	RbAp48 is a Target of Nuclear Factor-ÎºB Activity in Thyroid Cancer. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1458-1466.	3.6	35

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55	Proteomic analysis of the major soluble components in Annurca apple flesh. Molecular Nutrition and Food Research, 2007, 51, 255-262.	3.3	62
56	Analytical methodologies for the detection and structural characterization of phosphorylated proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 849, 163-180.	2.3	30
57	A widespread picture of theStreptococcus thermophilus proteome by cell lysate fractionation and gel-based/gel-free approaches. Proteomics, 2007, 7, 1420-1433.	2.2	24
58	Novel identification of expressed genes and functional classification of hypothetical proteins from <i>Neisseria meningitidis</i> serogroup A. Proteomics, 2007, 7, 3342-3347.	2.2	8
59	Selective Ion Tracing and MSnAnalysis of Peptide Digests from FSBA-Treated Kinases for the Analysis of Protein ATP-Binding Sites. Journal of Proteome Research, 2006, 5, 2019-2024.	3.7	9
60	A study ofStreptococcus thermophilus proteome by integrated analytical procedures and differential expression investigations. Proteomics, 2006, 6, 181-192.	2.2	51
61	Proteomic analysis of tomato fruits from two ecotypes during ripening. Proteomics, 2006, 6, 3781-3791.	2.2	148
62	Hyperphosphorylation of JNK-interacting Protein 1, a Protein Associated with Alzheimer Disease. Molecular and Cellular Proteomics, 2006, 5, 97-113.	3.8	57
63	Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 157-168.	2.3	44
64	Activation of human T lymphocytes under conditions similar to those that occur during exposure to microgravity: A proteomics study. Proteomics, 2005, 5, 1827-1837.	2.2	37
65	Proteomic Analysis of Erythrocyte Membranes by Soft Immobiline Gels Combined with Differential Protein Extraction. Journal of Proteome Research, 2005, 4, 1304-1309.	3.7	47
66	Differential proteomic analysis in the study of prokaryotes stress resistance. Annali Dell'Istituto Superiore Di Sanita, 2005, 41, 459-68.	0.4	21
67	Proteome analysis ofNeisseria meningitidis serogroup A. Proteomics, 2004, 4, 2893-2926.	2.2	57
68	Proteins from bovine tissues and biological fluids: Defining a reference electrophoresis map for liver, kidney, muscle, plasma and red blood cells. Proteomics, 2003, 3, 440-460.	2.2	152