

# Rosa Anna Siciliano

## List of Publications by Year in descending order

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66  
papers

2,575  
citations

159585

30  
h-index

197818

49  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transamidation of Wheat Flour Inhibits the Response to Gliadin of Intestinal T Cells in Celiac Disease. <i>Gastroenterology</i> , 2007, 133, 780-789.	1.3	160
2	Fish Authentication by MALDI-TOF Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11071-11076.	5.2	145
3	Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for the Discrimination of Food-Borne Microorganisms. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1180-1189.	3.1	134
4	Proteomics for the elucidation of cold adaptation mechanisms in <i>Listeria monocytogenes</i> . <i>Journal of Proteomics</i> , 2010, 73, 2021-2030.	2.4	112
5	Surface displaced alfa-enolase of <i>Lactobacillus plantarum</i> is a fibronectin binding protein. <i>Microbial Cell Factories</i> , 2009, 8, 14.	4.0	110
6	Modern Mass Spectrometric Methodologies in Monitoring Milk Quality. <i>Analytical Chemistry</i> , 2000, 72, 408-415.	6.5	93
7	Involvement of bovine lactoferrin metal saturation, sialic acid and protein fragments in the inhibition of rotavirus infection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1528, 107-115.	2.4	93
8	Glycosylation site analysis of human alpha-1-acid glycoprotein (AGP) by capillary liquid chromatography-electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1472-1483.	1.6	88
9	Paraprobiotics: A New Perspective for Functional Foods and Nutraceuticals. <i>Nutrients</i> , 2021, 13, 1225.	4.1	82
10	Bovine Lactoferrin Peptidic Fragments Involved in Inhibition of Herpes Simplex Virus Type 1 Infection. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 19-23.	2.1	73
11	Heparin-interacting sites of bovine lactoferrin are involved in anti-adenovirus activity. <i>Journal of Medical Virology</i> , 2003, 69, 495-502.	5.0	67
12	Intranasal administration of a recombinant $\hat{\pm}$ -gliadin down-regulates the immune response to wheat gliadin in DQ8 transgenic mice. <i>Immunology Letters</i> , 2003, 88, 127-134.	2.5	60
13	Molecular mechanisms of probiotic action: a proteomic perspective. <i>Current Opinion in Microbiology</i> , 2012, 15, 390-396.	5.1	58
14	Mass spectrometry for the analysis of protein lactosylation in milk products. <i>Food Research International</i> , 2013, 54, 988-1000.	6.2	55
15	Proteomics for the authentication of fish species. <i>Journal of Proteomics</i> , 2016, 147, 119-124.	2.4	54
16	Bovine lactoferrin-derived peptides as novel broad-spectrum inhibitors of influenza virus. <i>Pathogens and Global Health</i> , 2012, 106, 12-19.	2.3	53
17	Mass spectrometric identification of the amino donor and acceptor sites in a transglutaminase protein substrate secreted from rat seminal vesicles. <i>Biochemistry</i> , 1991, 30, 3114-3120.	2.5	51
18	Bowman-Birk inhibitors in lentil: Heterologous expression, functional characterisation and anti-proliferative properties in human colon cancer cells. <i>Food Chemistry</i> , 2010, 120, 1058-1066.	8.2	51

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19	Gastrokine 1 expression in patients with and without Helicobacter pylori infection. Digestive and Liver Disease, 2007, 39, 122-129.	0.9	49
20	The Lewis x epitope is a major non-reducing structure in the sulphated N-glycans attached to Asn-65 of bovine pro-opiomelanocortin. Glycobiology, 1993, 3, 225-239.	2.5	48
21	Analysis of Different European Hazelnut ( <i>Corylus avellana</i> L.) Cultivars: Authentication, Phenotypic Features, and Phenolic Profiles. Journal of Agricultural and Food Chemistry, 2014, 62, 6236-6246.	5.2	47
22	Tachykinins and Other Biologically Active Peptides From the Skin of the Costa Rican Phyllomedusid Frog <i>Agalychnis callidryas</i> . Peptides, 1997, 18, 367-372.	2.4	45
23	Bovine lactoferrin peptidic fragments involved in inhibition of Echovirus 6 in vitro infection. Antiviral Research, 2006, 69, 98-106.	4.1	45
24	Human .alpha.-fetoprotein primary structure: a mass spectrometric study. Biochemistry, 1991, 30, 5061-5066.	2.5	39
25	Effect of inactivation of <i>ccpA</i> and aerobic growth in <i>Lactobacillus plantarum</i> : A proteomic perspective. Journal of Proteomics, 2012, 75, 4050-4061.	2.4	38
26	Biochemical modifications of gliadins induced by microbial transglutaminase on wheat flour. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5166-5174.	2.4	37
27	Proteomics for the Investigation of Surface-Exposed Proteins in Probiotics. Frontiers in Nutrition, 2019, 6, 52.	3.7	37
28	CcpA affects expression of the <i>groESL</i> and <i>dnaK</i> operons in <i>Lactobacillus plantarum</i> . Microbial Cell Factories, 2006, 5, 35.	4.0	36
29	Intranasal Administration of One Alpha Gliadin Can Downregulate the Immune Response to Whole Gliadin in Mice. Scandinavian Journal of Immunology, 2001, 53, 290-295.	2.7	32
30	Proteomic Analysis of Mucopolysaccharidosis IIIB Mouse Brain. Biomolecules, 2020, 10, 355.	4.0	30
31	Proteomic investigation of the aggregation phenomenon in <i>Lactobacillus crispatus</i> . Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 335-342.	2.3	28
32	Identification of Early Represented Gluten Proteins during Durum Wheat Grain Development. Journal of Agricultural and Food Chemistry, 2017, 65, 3242-3250.	5.2	28
33	Urine Proteomics Revealed a Significant Correlation Between Urine-Fibronectin Abundance and Estimated-GFR Decline in Patients with Bardet-Biedl Syndrome. Kidney and Blood Pressure Research, 2018, 43, 389-405.	2.0	28
34	The E1 beta-subunit of pyruvate dehydrogenase is surface-expressed in <i>Lactobacillus plantarum</i> and binds fibronectin. Microbiological Research, 2014, 169, 121-127.	5.3	27
35	Identification of binding sites of <i>Lactobacillus plantarum</i> enolase involved in the interaction with human plasminogen. Microbiological Research, 2013, 168, 65-72.	5.3	26
36	Comparative secretome analysis of four isogenic <i>Bacillus clausii</i> probiotic strains. Proteome Science, 2013, 11, 28.	1.7	26

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37	Proteomic investigation of response to forl infection in tomato roots. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 42-49.	5.8	26
38	Exploring the N-Terminal Region of C-X-C Motif Chemokine 12 (CXCL12): Identification of Plasma-Stable Cyclic Peptides As Novel, Potent C-X-C Chemokine Receptor Type 4 (CXCR4) Antagonists. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8369-8380.	6.4	26
39	Rapid peptidomic profiling of peritoneal fluid by MALDI-TOF mass spectrometry for the identification of biomarkers of endometriosis. <i>Gynecological Endocrinology</i> , 2014, 30, 872-876.	1.7	25
40	Altered protein expression pattern in skin fibroblasts from parkin -mutant early-onset Parkinson's disease patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1960-1970.	3.8	25
41	Dietary Effects of Copper and Iron Deficiency on Rat Intestine:â€” A Differential Display Proteome Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1781-1788.	3.7	24
42	Proteolytic activity of bovine lactoferrin. <i>BioMetals</i> , 2004, 17, 249-255.	4.1	23
43	Identification of transglutaminase-mediated deamidation sites in a recombinant Î±-gliadin by advanced mass-spectrometric methodologies. <i>Protein Science</i> , 2009, 12, 2434-2442.	7.6	23
44	Purification and biochemical characterization of a native invertase from the hydrogen-producing <i>Thermotoga neapolitana</i> (DSM 4359). <i>Extremophiles</i> , 2009, 13, 345-354.	2.3	22
45	Response mechanisms induced by exposure to high temperature in anthers from thermo-tolerant and thermo-sensitive tomato plants: A proteomic perspective. <i>PLoS ONE</i> , 2018, 13, e0201027.	2.5	22
46	Influence of oral administration mode on the efficacy of commercial bovine Lactoferrin against iron and inflammatory homeostasis disorders. <i>BioMetals</i> , 2020, 33, 159-168.	4.1	18
47	Shotgun proteomics for the characterization of subunit composition of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1438-1450.	1.0	17
48	<i>Lactobacillus acidophilus</i> â€”Rutin Interplay Investigated by Proteomics. <i>PLoS ONE</i> , 2015, 10, e0142376.	2.5	17
49	Expression of the <i>Lactobacillus plantarum</i> malE gene is regulated by CcpA and a MalR-like protein. <i>Journal of Microbiology</i> , 2011, 49, 950-955.	2.8	16
50	Biochemical and structural characterization of mammalian-like purine nucleoside phosphorylase from the Archaeon <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2007, 274, 2482-2495.	4.7	13
51	Cytotoxic and Apoptogenic Activity of a Methanolic Extract from the Marine Invertebrate <i>Ciona intestinalis</i> on Malignant Cell Lines. <i>Medicinal Chemistry</i> , 2008, 4, 106-109.	1.5	13
52	Impact of aerobic and respirative life-style on <i>Lactobacillus casei</i> N87 proteome. <i>International Journal of Food Microbiology</i> , 2019, 298, 51-62.	4.7	13
53	Î²-Casomorphins: substitution of phenylalanine with Î²- homo phenylalanine increases the Î¼-type opioid receptor affinity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1185-1188.	2.2	9
54	Analysis of human serum albumin variants by mass spectrometric procedures. <i>BBA - Proteins and Proteomics</i> , 1998, 1384, 79-92.	2.1	8

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55	N-Linked glycans of proteins from mitral valves of normal pigs and pigs affected by endocardiosis. <i>FEBS Journal</i> , 2000, 267, 1299-1306.	0.2	6
56	Assignment of the Complete Disulphide Bridge Pattern in the Human Recombinant Follitropin $\hat{1}^2$ -Chain. <i>Biological Chemistry</i> , 2001, 382, 961-8.	2.5	6
57	Secretome Analysis of Mouse Dendritic Cells Interacting with a Probiotic Strain of <i>Lactobacillus gasseri</i> . <i>Nutrients</i> , 2020, 12, 555.	4.1	6
58	Transamidation Down-Regulates Intestinal Immunity of Recombinant $\hat{1}^{\pm}$ -Gliadin in HLA-DQ8 Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7019.	4.1	6
59	Decreased amount of vimentin N-terminal truncated proteolytic products in parkin-mutant skin fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 693-698.	2.1	5
60	A distinctive protein signature induced by lysophosphatidic acid receptor 6 (LPA6) expression in hepatocellular carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 1150-1156.	2.1	5
61	Immunochemical Detection of Formylated $\hat{1}^{32}$ -Casein in Cheese. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 649-654.	5.2	4
62	Structural characterization and independent folding of a chimeric glycoprotein comprising granulocyte-macrophage colony stimulating factor and erythropoietin sequences. <i>Glycobiology</i> , 1998, 8, 779-790.	2.5	4
63	Editorial: Proteomics for Studying Foodborne Microorganisms and Their Impact on Food Quality and Human Health. <i>Frontiers in Nutrition</i> , 2019, 6, 104.	3.7	3
64	Food Authentication by MALDI MS: MALDI-TOF MS Analysis of Fish Species. , 2016, , 263-277.		2
65	Proteomics pattern associated with gingival oral squamous cell carcinoma and epulis: A case analysis. <i>Oral Science International</i> , 2018, 15, 41-47.	0.7	2
66	Comparative Analysis of MALDI-TOF Mass Spectrometric Data in Proteomics: A Case Study. <i>Lecture Notes in Computer Science</i> , 2016, , 154-164.	1.3	0