

Immacolata Fiume

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,277
citations

331670

21
h-index

377865

34
g-index

43
all docs

43
docs citations

43
times ranked

1870
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiplex quantitative proteomics strategy for protein biomarker studies in urinary exosomes. <i>Kidney International</i> , 2012, 81, 1263-1272.	5.2	130
2	Mass spectrometry of extracellular vesicles. <i>Mass Spectrometry Reviews</i> , 2016, 35, 3-21.	5.4	107
3	Effects of short-chain fructo-oligosaccharides on glucose and lipid metabolism in mild hypercholesterolaemic individuals. <i>Clinical Nutrition</i> , 2004, 23, 331-340.	5.0	93
4	Protein biocargo of citrus fruit-derived vesicles reveals heterogeneous transport and extracellular vesicle populations. <i>Journal of Plant Physiology</i> , 2018, 229, 111-121.	3.5	84
5	Grapefruit-Derived Micro and Nanovesicles Show Distinct Metabolome Profiles and Anticancer Activities in the A375 Human Melanoma Cell Line. <i>Cells</i> , 2020, 9, 2722.	4.1	61
6	Hydrolysis of xylan at high temperature by co-action of the xylanase from <i>Anoxybacillus flavithermus</i> BC and the β -xylosidase/ β -arabinosidase from <i>Sulfolobus solfataricus</i> O?. <i>Journal of Applied Microbiology</i> , 2007, 102, 1586-1593.	3.1	50
7	Surface-exposed Glycoproteins of Hyperthermophilic <i>Sulfolobus solfataricus</i> P2 Show a Common N-Glycosylation Profile. <i>Journal of Proteome Research</i> , 2013, 12, 2779-2790.	3.7	50
8	A New Archaeal β -Glycosidase from <i>Sulfolobus solfataricus</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 20691-20703.	3.4	45
9	Plant Roots Release Small Extracellular Vesicles with Antifungal Activity. <i>Plants</i> , 2020, 9, 1777.	3.5	44
10	Membrane Transporters in Citrus clementina Fruit Juice-Derived Nanovesicles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6205.	4.1	38
11	Bio manufacturing of Tomato-Derived Nanovesicles. <i>Foods</i> , 2020, 9, 1852.	4.3	38
12	Evidence that the xylanase activity from <i>Sulfolobus solfataricus</i> O1± is encoded by the endoglucanase precursor gene (sso1354) and characterization of the associated cellulase activity. <i>Extremophiles</i> , 2008, 12, 689-700.	2.3	37
13	Bacterial IAA-Delivery into Medicago Root Nodules Triggers a Balanced Stimulation of C and N Metabolism Leading to a Biomass Increase. <i>Microorganisms</i> , 2019, 7, 403.	3.6	37
14	Isolation of Exosome-Like Vesicles from Plants by Ultracentrifugation on Sucrose/Deuterium Oxide (D2O) Density Cushions. <i>Methods in Molecular Biology</i> , 2016, 1459, 259-269.	0.9	36
15	Chromatography and its hyphenation to mass spectrometry for extracellular vesicle analysis. <i>Journal of Chromatography A</i> , 2016, 1439, 26-41.	3.7	35
16	Urinary extracellular vesicles as reservoirs of altered proteins during the pathogenesis of polycystic kidney disease. <i>Proteomics - Clinical Applications</i> , 2015, 9, 552-567.	1.6	33
17	Improvement of the flavour of Falanghina white wine using a purified glycosidase preparation from <i>Aspergillus niger</i> . <i>Process Biochemistry</i> , 2000, 36, 93-102.	3.7	30
18	Analysis of Secretome Changes Uncovers an Autocrine/Paracrine Component in the Modulation of Cell Proliferation and Motility by c-Myc. <i>Journal of Proteome Research</i> , 2011, 10, 5326-5337.	3.7	30

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19	Structural characterization by mass spectrometry of hemoglobin adducts formed after in vitro exposure to methyl bromide. <i>Carcinogenesis</i> , 1996, 17, 2661-2671.	2.8	28
20	The molecular characterization of a novel GH38 α -mannosidase from the crenarchaeon <i>Sulfolobus solfataricus</i> revealed its ability in de-mannosylating glycoproteins. <i>Biochimie</i> , 2010, 92, 1895-1907.	2.6	25
21	A Highly Selective Oligopeptide Binding Protein from the Archaeon <i>Sulfolobus Solfataricus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 3123-3131.	2.2	22
22	Mass spectrometric analysis of rat hemoglobin by FAB-overlapping. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 1943-1950.	0.5	21
23	Outside the Unusual Cell Wall of the Hyperthermophilic Archaeon <i>Aeropyrum pernix</i> K1. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2570-2581.	3.8	20
24	Immobilization and characterization of a thermostable α -xylosidase to generate a reusable biocatalyst. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1205-1213.	3.2	19
25	Isolation and characterisation of a novel alpha-amylase from the extreme haloarchaeon <i>Haloterrigena turkmenica</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 92, 174-184.	7.5	19
26	Identification of the first archaeal oligopeptide-binding protein from the hyperthermophile <i>Aeropyrum pernix</i> . <i>Extremophiles</i> , 2006, 10, 393-402.	2.3	15
27	Chemometric Screening of Fourteen Essential Oils for Their Composition and Biological Properties. <i>Molecules</i> , 2020, 25, 5126.	3.8	13
28	Identification of Tomato Infecting Viruses That Co-Isolate with Nanovesicles Using a Combined Proteomics and Electron-Microscopic Approach. <i>Nanomaterials</i> , 2021, 11, 1922.	4.1	12
29	Study of interaction of styrene oxide with Angiotensin by mass spectrometry. <i>Carcinogenesis</i> , 1992, 13, 1397-1401.	2.8	11
30	Identification of a Cell-Bound Extracellular Protease Overproduced by <i>Sulfolobus solfataricus</i> in Peptide-Rich Media. <i>Protein and Peptide Letters</i> , 2010, 17, 78-85.	0.9	10
31	Enrichment specificity of micro and nano-sized titanium and zirconium dioxides particles in phosphopeptide mapping. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1188-1198.	1.6	10
32	Physiochemical and protein datasets related to citrus juice sac cells-derived nanovesicles and microvesicles. <i>Data in Brief</i> , 2019, 22, 251-254.	1.0	10
33	Crosstalk Between the Immune System and Plant-Derived Nanovesicles: A Study of Allergen Transporting. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 760730.	4.1	10
34	Human α -fetoprotein produced from hep G2 cell line: Structure and heterogeneity of the oligosaccharide moiety. <i>Journal of Mass Spectrometry</i> , 1995, 30, 632-638.	1.6	9
35	Insights into the structural properties of d-serine dehydratase from <i>Saccharomyces cerevisiae</i> : An FT-IR spectroscopic and in silico approach. <i>Biochimie</i> , 2011, 93, 542-548.	2.6	9
36	Mass spectrometric analysis of haemoglobin adducts formed by methyl bromide in vitro. <i>Biomedical Applications</i> , 1995, 670, 349-353.	1.7	8

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37	Pursuing mechanisms of extracellular vesicle formation. Effects of sample processing. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2020, 32, 113-155.	0.6	8
38	Potential allergenicity of <i>Medicago sativa</i> investigated by a combined IgE binding inhibition, proteomics and in silico approach. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1182-1192.	3.5	8
39	Structural and Functional Insights into <i>Aeropyrum pernix</i> OppA, a Member of a Novel Archaeal OppA Subfamily. <i>Journal of Bacteriology</i> , 2011, 193, 620-630.	2.2	6
40	A new kumamolisin-like protease from <i>Alicyclobacillus acidocaldarius</i> : an enzyme active under extreme acidic conditions. <i>Biocatalysis and Biotransformation</i> , 2006, 24, 358-370.	2.0	4
41	Urinary Exosomes for Protein Biomarker Research. , 0, , .		1
42	Urinary extracellular vesicles: single patient analysis for clinical applications. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2021, , 1-35.	0.6	0