

# Ferdinando Febbraio

## List of Publications by Citations

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53  
papers

1,446  
citations

23  
h-index

37  
g-index

60  
ext. papers

1,605  
ext. citations

4.1  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
53	<i>Olea europaea</i> L. leaf extract and derivatives: antioxidant properties. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 4934-40	5.7	129
52	Antioxidant properties of low molecular weight phenols present in the mediterranean diet. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 6975-81	5.7	102
51	Antioxidant activity of the main bioactive derivatives from oleuropein hydrolysis by hyperthermophilic beta-glycosidase. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 3198-203	5.7	77
50	Expression and extensive characterization of a beta-glycosidase from the extreme thermoacidophilic archaeon <i>Sulfolobus solfataricus</i> in <i>Escherichia coli</i> : authenticity of the recombinant enzyme. <i>Enzyme and Microbial Technology</i> , <b>1995</b> , 17, 992-7	3.8	68
49	Changes in phenolic and enzymatic activities content during fruit ripening in two Italian cultivars of <i>Olea europaea</i> L.. <i>Plant Science</i> , <b>2002</b> , 162, 791-798	5.3	67
48	Bioactive derivatives from oleuropein by a biotransformation on <i>Olea europaea</i> leaf extracts. <i>Journal of Biotechnology</i> , <b>2002</b> , 93, 109-19	3.7	63
47	Hydrolysis of oleuropein by recombinant beta-glycosidase from hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> immobilised on chitosan matrix. <i>Journal of Biotechnology</i> , <b>2000</b> , 77, 275-86	3.7	62
46	Chloroplastic glycolipids fuel aldehyde biosynthesis in the marine diatom <i>Thalassiosira rotula</i> . <i>ChemBioChem</i> , <b>2006</b> , 7, 450-6	3.8	57
45	Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis. <i>Oncotarget</i> , <b>2016</b> , 7, 20636-54	3.3	56
44	New C16 fatty-acid-based oxylipin pathway in the marine diatom <i>Thalassiosira rotula</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 4065-70	3.9	55
43	Production of highly purified hydroxytyrosol from <i>Olea europaea</i> leaf extract biotransformed by hyperthermophilic beta-glycosidase. <i>Journal of Biotechnology</i> , <b>2004</b> , 111, 67-77	3.7	45
42	SDS-resistant active and thermostable dimers are obtained from the dissociation of homotetrameric beta-glycosidase from hyperthermophilic <i>Sulfolobus solfataricus</i> in SDS. Stabilizing role of the A-C intermonomeric interface. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 44050-60	5.4	43
41	Point-of-Care Diagnostics of COVID-19: From Current Work to Future Perspectives. <i>Sensors</i> , <b>2020</b> , 20,	3.8	41
40	Fluorescence spectroscopy approaches for the development of a real-time organophosphate detection system using an enzymatic sensor. <i>Sensors</i> , <b>2015</b> , 15, 3932-51	3.8	37
39	A substrate-induced switch in the reaction mechanism of a thermophilic esterase: kinetic evidences and structural basis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 6815-23	5.4	37
38	Structure-function studies on beta-glycosidase from <i>Sulfolobus solfataricus</i> . Molecular bases of thermostability. <i>Biochimie</i> , <b>1998</b> , 80, 949-57	4.6	34
37	Thermal stability and aggregation of <i>sulfolobus solfataricus</i> beta-glycosidase are dependent upon the N-epsilon-methylation of specific lysyl residues: critical role of in vivo post-translational modifications. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 10185-94	5.4	33

36	Discovery of the Involvement in DNA Oxidative Damage of Human Sperm Nuclear Basic Proteins of Healthy Young Men Living in Polluted Areas. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	30
35	Homology modeling and active-site residues probing of the thermophilic Alicyclobacillus acidocaldarius esterase 2. <i>Protein Science</i> , <b>1999</b> , 8, 1789-96	6.3	30
34	Thermostable esterase 2 from Alicyclobacillus acidocaldarius as biosensor for the detection of organophosphate pesticides. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1530-6	7.8	29
33	Identification of the active site nucleophile in the thermostable beta-glycosidase from the archaeon Sulfolobus solfataricus expressed in Escherichia coli. <i>Biochemistry</i> , <b>1997</b> , 36, 3068-75	3.2	27
32	Molecular effects of copper on the reproductive system of mytilus galloprovincialis. <i>Molecular Reproduction and Development</i> , <b>2019</b> , 86, 1357-1368	2.6	27
31	New Cross-Talk Layer between Ultraconserved Non-Coding RNAs, MicroRNAs and Polycomb Protein YY1 in Bladder Cancer. <i>Genes</i> , <b>2016</b> , 7,	4.2	23
30	Relevance of arginine residues in Cu(II)-induced DNA breakage and Proteinase K resistance of H1 histones. <i>Scientific Reports</i> , <b>2018</b> , 8, 7414	4.9	22
29	Alterations in the properties of sperm protamine-like II protein after exposure of Mytilus galloprovincialis (Lamarck 1819) to sub-toxic doses of cadmium. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 169, 600-606	7	21
28	Use of esterase activities for the detection of chemical neurotoxic agents. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 1225-34	1.9	19
27	A sperm nuclear basic protein from the sperm of the marine worm Chaetopterus variopedatus with sequence similarity to the arginine-rich C-termini of chordate protamine-likes. <i>DNA and Cell Biology</i> , <b>2012</b> , 31, 1392-402	3.6	18
26	Antioxidant/prooxidant effects of dietary non-flavonoid phenols on the Cu <sup>2+</sup> -induced oxidation of human low-density lipoprotein (LDL). <i>Chemistry and Biodiversity</i> , <b>2004</b> , 1, 1716-29	2.5	18
25	Functional and structural properties of the homogeneous beta-glycosidase from the extreme thermoacidophilic archaeon sulfolobus solfataricus expressed in Saccharomyces cerevisiae. <i>Protein Expression and Purification</i> , <b>1996</b> , 7, 299-308	2	18
24	Purification and characterization of a lipoxygenase enzyme from durum wheat semolina. <i>Journal of Agricultural and Food Chemistry</i> , <b>1999</b> , 47, 1924-31	5.7	17
23	Irreversible inhibition of the thermophilic esterase EST2 from Alicyclobacillus acidocaldarius. <i>Extremophiles</i> , <b>2008</b> , 12, 719-28	3	14
22	Evidence for co-operativity in coenzyme binding to tetrameric Sulfolobus solfataricus alcohol dehydrogenase and its structural basis: fluorescence, kinetic and structural studies of the wild-type enzyme and non-co-operative N249Y mutant. <i>Biochemical Journal</i> , <b>2005</b> , 388, 657-67	3.8	14
21	Intramolecular dynamics and conformational transition in proteins studied by biophysical labelling methods. Common and specific features of proteins from thermophylic micro-organisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2000</b> , 56A, 2011-31	4.4	14
20	Direct detection of organophosphate compounds in water by a fluorescence-based biosensing device. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 3257-3266	8.5	13
19	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , <b>2018</b> , 8, 137734.9	4.9	12

18	Redox stress proteins are involved in adaptation response of the hyperthermoacidophilic archaeon <i>Sulfolobus solfataricus</i> to nickel challenge. <i>Microbial Cell Factories</i> , <b>2007</b> , 6, 25	6.4	8
17	Dynamic fluorescence studies of beta-glycosidase mutants from <i>Sulfolobus solfataricus</i> : effects of single mutations on protein thermostability. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2003</b> , 51, 10-20	4.2	7
16	Determination of Picomolar Concentrations of Paraoxon in Human Urine by Fluorescence-Based Enzymatic Assay. <i>Sensors</i> , <b>2019</b> , 19,	3.8	7
15	Subcellular Localization of uc.8+ as a Prognostic Biomarker in Bladder Cancer Tissue. <i>Cancers</i> , <b>2021</b> , 13,	6.6	7
14	Heterogeneity in the structural dynamics of <i>Sulfolobus solfataricus</i> beta-glycosidase revealed by electron paramagnetic resonance and frequency domain fluorometry. <i>Protein Science</i> , <b>2002</b> , 11, 2535-44	6.3	6
13	Microbial Electrochemical Systems: Principles, Construction and Biosensing Applications. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
12	Highly Sensitive Detection of Chemically Modified Thio-Organophosphates by an Enzymatic Biosensing Device: An Automated Robotic Approach. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
11	Effects induced by mono- and divalent cations on protein regions responsible for thermal adaptation in beta-glycosidase from <i>Sulfolobus solfataricus</i> . <i>European Biophysics Journal</i> , <b>2004</b> , 33, 38-49	4.9	4
10	Thermophilic esterases and the amino acid traffic rule in the hormone sensitive lipase subfamily. <i>Progress in Biotechnology</i> , <b>1998</b> , 15, 325-330		4
9	EPR spin labeling study of conformational transitions of beta-glycosidase from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> expressed in <i>Escherichia coli</i> . <i>Applied Magnetic Resonance</i> , <b>2000</b> , 18, 515-526	0.8	3
8	Forty years of study on the thermostable beta-glycosidase from <i>S. solfataricus</i> : Production, biochemical characterization and biotechnological applications. <i>Biotechnology and Applied Biochemistry</i> , <b>2020</b> , 67, 602-618	2.8	2
7	Improvement of functional properties of a thermostable beta-glycosidase for milk lactose hydrolysis. <i>Biopolymers</i> , <b>2018</b> , 109, e23118	2.2	2
6	Computational, spectroscopic, and resonant mirror biosensor analysis of the interaction of adrenodoxin with native and tryptophan-modified NADPH-adrenodoxin reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 57, 302-10	4.2	2
5	Development of an automated multienzymatic biosensor for risk assessment of pesticide contamination in water and food. <i>EFSA Journal</i> , <b>2018</b> , 16, e16084	2.3	1
4	Altered Expression of Protamine-like and Their DNA Binding Induced by Cr(VI): A Possible Risk to Spermatogenesis?. <i>Biomolecules</i> , <b>2022</b> , 12, 700	5.9	1
3	A 3D printable adapter for solid-state fluorescence measurements: the case of an immobilized enzymatic bioreceptor for organophosphate pesticides detection.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 414, 1999	4.4	0
2	Production of highly purified hydroxytyrosol from <i>Olea europaea</i> leaf extract biotransformed by hyperthermophilic beta-glycosidase. <i>Journal of Biotechnology</i> , <b>2004</b> , 111, 67-67	3.7	
1	Interaction of the high-affinity inhibitor tetrahydro-dUMP with the allosteric enzyme deoxycytidylate aminohydrolase. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 310, 49-53	4.1	

