

Ferdinando Febbraio

List of Publications by Year in descending order

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59
papers

1,789
citations

236925
25
h-index

276875
41
g-index

60
all docs

60
docs citations

60
times ranked

2320
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Olea europaea</i> L. Leaf Extract and Derivatives: Antioxidant Properties. Journal of Agricultural and Food Chemistry, 2002, 50, 4934-4940.	5.2	155
2	Antioxidant Properties of Low Molecular Weight Phenols Present in the Mediterranean Diet. Journal of Agricultural and Food Chemistry, 2003, 51, 6975-6981.	5.2	119
3	Antioxidant Activity of the Main Bioactive Derivatives from Oleuropein Hydrolysis by Hyperthermophilic β -Glycosidase. Journal of Agricultural and Food Chemistry, 2001, 49, 3198-3203.	5.2	93
4	Changes in phenolic and enzymatic activities content during fruit ripening in two Italian cultivars of <i>Olea europaea</i> L. Plant Science, 2002, 162, 791-798.	3.6	77
5	Expression and extensive characterization of a β -glycosidase from the extreme thermoacidophilic archaeon <i>Sulfolobus solfataricus</i> in <i>Escherichia coli</i> : Authenticity of the recombinant enzyme. Enzyme and Microbial Technology, 1995, 17, 992-997.	3.2	75
6	Bioactive derivatives from oleuropein by a biotransformation on <i>Olea europaea</i> leaf extracts. Journal of Biotechnology, 2002, 93, 109-119.	3.8	73
7	Hydrolysis of oleuropein by recombinant β -glycosidase from hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> immobilised on chitosan matrix. Journal of Biotechnology, 2000, 77, 275-286.	3.8	67
8	Point-of-Care Diagnostics of COVID-19: From Current Work to Future Perspectives. Sensors, 2020, 20, 4289.	3.8	67
9	Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis. Oncotarget, 2016, 7, 20636-20654.	1.8	66
10	New C16 fatty-acid-based oxylipin pathway in the marine diatom <i>Thalassiosira rotula</i> . Organic and Biomolecular Chemistry, 2005, 3, 4065.	2.8	59
11	Chloroplastic Glycolipids Fuel Aldehyde Biosynthesis in the Marine Diatom <i>Thalassiosira rotula</i> . ChemBioChem, 2006, 7, 450-456.	2.6	59
12	Discovery of the Involvement in DNA Oxidative Damage of Human Sperm Nuclear Basic Proteins of Healthy Young Men Living in Polluted Areas. International Journal of Molecular Sciences, 2020, 21, 4198.	4.1	57
13	Production of highly purified hydroxytyrosol from <i>Olea europaea</i> leaf extract biotransformed by hyperthermophilic β -glycosidase. Journal of Biotechnology, 2004, 111, 67-77.	3.8	48
14	A Substrate-induced Switch in the Reaction Mechanism of a Thermophilic Esterase. Journal of Biological Chemistry, 2004, 279, 6815-6823.	3.4	45
15	SDS-resistant Active and Thermostable Dimers Are Obtained from the Dissociation of Homotetrameric β -Glycosidase from Hyperthermophilic <i>Sulfolobus solfataricus</i> in SDS. Journal of Biological Chemistry, 2002, 277, 44050-44060.	3.4	43
16	Fluorescence Spectroscopy Approaches for the Development of a Real-Time Organophosphate Detection System Using an Enzymatic Sensor. Sensors, 2015, 15, 3932-3951.	3.8	43
17	Thermostable Esterase 2 from <i>Alicyclobacillus acidocaldarius</i> as Biosensor for the Detection of Organophosphate Pesticides. Analytical Chemistry, 2011, 83, 1530-1536.	6.5	40
18	Molecular effects of copper on the reproductive system of <i>Mytilus galloprovincialis</i> . Molecular Reproduction and Development, 2019, 86, 1357-1368.	2.0	39

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19	Structure-function studies on β -glucosidase from <i>Sulfolobus solfataricus</i> . Molecular bases of thermostability. <i>Biochimie</i> , 1998, 80, 949-957.	2.6	36
20	Thermal Stability and Aggregation of <i>Sulfolobus solfataricus</i> β -Glucosidase Are Dependent upon the N ^ε -Methylation of Specific Lysyl Residues. <i>Journal of Biological Chemistry</i> , 2004, 279, 10185-10194.	3.4	36
21	Alterations in the properties of sperm protamine-like II protein after exposure of <i>Mytilus galloprovincialis</i> (Lamarck 1819) to sub-toxic doses of cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 600-606.	6.0	33
22	Homology modeling and active-site residues probing of the thermophilic <i>Alicyclobacillus acidocaldarius</i> esterase 2. <i>Protein Science</i> , 1999, 8, 1789-1796.	7.6	31
23	Microbial Electrochemical Systems: Principles, Construction and Biosensing Applications. <i>Sensors</i> , 2021, 21, 1279.	3.8	29
24	Identification of the Active Site Nucleophile in the Thermostable β -Glucosidase from the Archaeon <i>Sulfolobus solfataricus</i> Expressed in <i>Escherichia coli</i> . <i>Biochemistry</i> , 1997, 36, 3068-3075.	2.5	28
25	Relevance of arginine residues in Cu(II)-induced DNA breakage and Proteinase K resistance of H1 histones. <i>Scientific Reports</i> , 2018, 8, 7414.	3.3	28
26	New Cross-Talk Layer between Ultraconserved Non-Coding RNAs, MicroRNAs and Polycomb Protein YY1 in Bladder Cancer. <i>Genes</i> , 2016, 7, 127.	2.4	26
27	Use of Esterase Activities for the Detection of Chemical Neurotoxic Agents. <i>Protein and Peptide Letters</i> , 2009, 16, 1225-1234.	0.9	24
28	Antioxidant/Prooxidant Effects of Dietary Non-Flavonoid Phenols on the Cu ²⁺ -Induced Oxidation of Human Low-Density Lipoprotein (LDL). <i>Chemistry and Biodiversity</i> , 2004, 1, 1716-1729.	2.1	22
29	A Sperm Nuclear Basic Protein from the Sperm of the Marine Worm <i>Chaetopterus variopedatus</i> with Sequence Similarity to the Arginine-Rich C-Termini of Chordate Protamine-Likes. <i>DNA and Cell Biology</i> , 2012, 31, 1392-1402.	1.9	21
30	Direct detection of organophosphate compounds in water by a fluorescence-based biosensing device. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3257-3266.	7.8	21
31	Functional and Structural Properties of the Homogeneous β -Glucosidase from the Extreme Thermoacidophilic Archaeon <i>Sulfolobus solfataricus</i> Expressed in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 1996, 7, 299-308.	1.3	20
32	Purification and Characterization of a Lipoxygenase Enzyme from Durum Wheat Semolina. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 1924-1931.	5.2	20
33	Irreversible inhibition of the thermophilic esterase EST2 from <i>Alicyclobacillus acidocaldarius</i> . <i>Extremophiles</i> , 2008, 12, 719-728.	2.3	18
34	Intramolecular dynamics and conformational transition in proteins studied by biophysical labelling methods. Common and specific features of proteins from thermophilic micro-organisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 2011-2031.	3.9	15
35	Evidence for co-operativity in coenzyme binding to tetrameric <i>Sulfolobus solfataricus</i> 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> , 2005, 388, 657-667.	3.7	15
36	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , 2018, 8, 13773.	3.3	13

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37	Determination of Picomolar Concentrations of Paraoxon in Human Urine by Fluorescence-Based Enzymatic Assay. <i>Sensors</i> , 2019, 19, 4852.	3.8	12
38	Subcellular Localization of uc.8+ as a Prognostic Biomarker in Bladder Cancer Tissue. <i>Cancers</i> , 2021, 13, 681.	3.7	12
39	Redox stress proteins are involved in adaptation response of the hyperthermoacidophilic archaeon <i>Sulfolobus solfataricus</i> to nickel challenge. <i>Microbial Cell Factories</i> , 2007, 6, 25.	4.0	11
40	Biochemical strategies for the detection and detoxification of toxic chemicals in the environment. <i>World Journal of Biological Chemistry</i> , 2017, 8, 13.	4.3	11
41	Highly Sensitive Detection of Chemically Modified Thio-Organophosphates by an Enzymatic Biosensing Device: An Automated Robotic Approach. <i>Sensors</i> , 2020, 20, 1365.	3.8	10
42	CD33 rs2455069 SNP: Correlation with Alzheimer's Disease and Hypothesis of Functional Role. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3629.	4.1	10
43	Dynamic fluorescence studies of β -glucosidase mutants from <i>Sulfolobus solfataricus</i> : Effects of single mutations on protein thermostability. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 51, 10-20.	2.6	7
44	Heterogeneity in the structural dynamics of <i>Sulfolobus solfataricus</i> β -glucosidase revealed by electron paramagnetic resonance and frequency domain fluorometry. <i>Protein Science</i> , 2009, 11, 2535-2544.	7.6	7
45	Forty years of study on the thermostable β -glucosidase from <i>S. solfataricus</i> : Production, biochemical characterization and biotechnological applications. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 602-618.	3.1	6
46	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> , 2022, 414, 1999-2008.	3.7	6
47	Altered Expression of Protamine-like and Their DNA Binding Induced by Cr(VI): A Possible Risk to Spermatogenesis?. <i>Biomolecules</i> , 2022, 12, 700.	4.0	6
48	Effects induced by mono- and divalent cations on protein regions responsible for thermal adaptation in β -glucosidase from <i>Sulfolobus solfataricus</i> . <i>European Biophysics Journal</i> , 2004, 33, 38-49.	2.2	5
49	Thermophilic esterases and the amino acid α -trafficking rule in the hormone sensitive lipase subfamily. <i>Progress in Biotechnology</i> , 1998, 15, 325-330.	0.2	4
50	A FRET Approach to Detect Paraoxon among Organophosphate Pesticides Using a Fluorescent Biosensor. <i>Sensors</i> , 2022, 22, 561.	3.8	4
51	Monitoring of pesticide amount in fruit and vegetables by a fluorescence-based sensor. <i>EFSA Journal</i> , 2022, 20, .	1.8	4
52	EPR spin labeling study of conformational transitions of β -glucosidase from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> expressed in <i>Escherichia coli</i> . <i>Applied Magnetic Resonance</i> , 2000, 18, 515-526.	1.2	3
53	Improvement of functional properties of a thermostable β -glucosidase for milk lactose hydrolysis. <i>Biopolymers</i> , 2018, 109, e23118.	2.4	3
54	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> , 2004, 57, 302-310.	2.6	2

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55	Selymatra: A web application for proteinâ€profiling analysis of mass spectra. Biotechnology and Applied Biochemistry, 2021, , .	3.1	2
56	Monitoring of pesticide amount in water and drinkable food by a fluorescenceâ€based biosensor. EFSA Journal, 2022, 20, .	1.8	2
57	Development of an automated multienzymatic biosensor for risk assessment of pesticide contamination in water and food. EFSA Journal, 2018, 16, e16084.	1.8	1
58	Interaction of the High-Affinity Inhibitor Tetrahydro-Dump with the Allosteric Enzyme Deoxycytidylate Aminohydrolase. Archives of Biochemistry and Biophysics, 1994, 310, 49-53.	3.0	0
59	Production of highly purified hydroxytyrosol from Olea europaea leaf extract biotransformed by hyperthermophilic β -glycosidase. Journal of Biotechnology, 2004, 111, 67-67.	3.8	0