Ferdinando Febbraio

List of Publications by Year in Descending Order

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	A 3D printable adapter for solid-state fluorescence measurements: the case of an immobilized enzymatic bioreceptor for organophosphate pesticides detection.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 1999	4.4	0
52	Altered Expression of Protamine-like and Their DNA Binding Induced by Cr(VI): A Possible Risk to Spermatogenesis?. *Biomolecules*, **2022**, 12, 700	5.9	1
51	Subcellular Localization of uc.8+ as a Prognostic Biomarker in Bladder Cancer Tissue. *Cancers*, **2021**, 13,	6.6	7
50	Microbial Electrochemical Systems: Principles, Construction and Biosensing Applications. *Sensors*, **2021**, 21,	3.8	6
49	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,	6.3	30
48	Highly Sensitive Detection of Chemically Modified Thio-Organophosphates by an Enzymatic Biosensing Device: An Automated Robotic Approach. *Sensors*, **2020**, 20,	3.8	5
47	Forty years of study on the thermostable β-glycosidase from S. solfataricus: Production, biochemical characterization and biotechnological applications. *Biotechnology and Applied Biochemistry*, **2020**, 67, 602-618	2.8	2
46	Point-of-Care Diagnostics of COVID-19: From Current Work to Future Perspectives. *Sensors*, **2020**, 20,	3.8	41
45	Determination of Picomolar Concentrations of Paraoxon in Human Urine by Fluorescence-Based Enzymatic Assay. *Sensors*, **2019**, 19,	3.8	7
44	Molecular effects of copper on the reproductive system of mytilus galloprovincialis. *Molecular Reproduction and Development*, **2019**, 86, 1357-1368	2.6	27
43	Alterations in the properties of sperm protamine-like II protein after exposure of Mytilus galloprovincialis (Lamarck 1819) to sub-toxic doses of cadmium. *Ecotoxicology and Environmental Safety*, **2019**, 169, 600-606	7	21
42	Improvement of functional properties of a thermostable β-glycosidase for milk lactose hydrolysis. *Biopolymers*, **2018**, 109, e23118	2.2	2
41	Direct detection of organophosphate compounds in water by a fluorescence-based biosensing device. *Sensors and Actuators B: Chemical*, **2018**, 255, 3257-3266	8.5	13
40	Relevance of arginine residues in Cu(II)-induced DNA breakage and Proteinase K resistance of H1 histones. *Scientific Reports*, **2018**, 8, 7414	4.9	22
39	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. *Scientific Reports*, **2018**, 8, 13773	4.9	12
38	Development of an automated multienzymatic biosensor for risk assessment of pesticide contamination in water and food. *EFSA Journal*, **2018**, 16, e16084	2.3	1
37	Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis. *Oncotarget*, **2016**, 7, 20636-54	3.3	56

36	New Cross-Talk Layer between Ultraconserved Non-Coding RNAs, MicroRNAs and Polycomb Protein YY1 in Bladder Cancer. *Genes*, **2016**, 7,	4.2	23
35	Fluorescence spectroscopy approaches for the development of a real-time organophosphate detection system using an enzymatic sensor. *Sensors*, **2015**, 15, 3932-51	3.8	37
34	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. *DNA and Cell Biology*, **2012**, 31, 1392-402	3.6	18
33	Thermostable esterase 2 from Alicyclobacillus acidocaldarius as biosensor for the detection of organophosphate pesticides. *Analytical Chemistry*, **2011**, 83, 1530-6	7.8	29
32	Use of esterase activities for the detection of chemical neurotoxic agents. *Protein and Peptide Letters*, **2009**, 16, 1225-34	1.9	19
31	Irreversible inhibition of the thermophilic esterase EST2 from Alicyclobacillus acidocaldarius. *Extremophiles*, **2008**, 12, 719-28	3	14
30	Redox stress proteins are involved in adaptation response of the hyperthermoacidophilic archaeon Sulfolobus solfataricus to nickel challenge. *Microbial Cell Factories*, **2007**, 6, 25	6.4	8
29	Chloroplastic glycolipids fuel aldehyde biosynthesis in the marine diatom Thalassiosira rotula. *ChemBioChem*, **2006**, 7, 450-6	3.8	57
28	New C16 fatty-acid-based oxylipin pathway in the marine diatom Thalassiosira rotula. *Organic and Biomolecular Chemistry*, **2005**, 3, 4065-70	3.9	55
27	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. *Biochemical Journal*, **2005**, 388, 657-67	3.8	14
26	Thermal stability and aggregation of sulfolobus solfataricus beta-glycosidase are dependent upon the N-epsilon-methylation of specific lysyl residues: critical role of in vivo post-translational modifications. *Journal of Biological Chemistry*, **2004**, 279, 10185-94	5.4	33
25	A substrate-induced switch in the reaction mechanism of a thermophilic esterase: kinetic evidences and structural basis. *Journal of Biological Chemistry*, **2004**, 279, 6815-23	5.4	37
24	Effects induced by mono- and divalent cations on protein regions responsible for thermal adaptation in beta-glycosidase from Sulfolobus solfataricus. *European Biophysics Journal*, **2004**, 33, 38-49	1.9	4
23	Computational, spectroscopic, and resonant mirror biosensor analysis of the interaction of adrenodoxin with native and tryptophan-modified NADPH-adrenodoxin reductase. *Proteins: Structure, Function and Bioinformatics*, **2004**, 57, 302-10	4.2	2
22	Antioxidant/prooxidant effects of dietary non-flavonoid phenols on the Cu2+-induced oxidation of human low-density lipoprotein (LDL). *Chemistry and Biodiversity*, **2004**, 1, 1716-29	2.5	18
21	Production of highly purified hydroxytyrosol from Olea europaea leaf extract biotransformed by hyperthermophilic □glycosidase. *Journal of Biotechnology*, **2004**, 111, 67-67	3.7	
20	Production of highly purified hydroxytyrosol from Olea europaea leaf extract biotransformed by hyperthermophilic beta-glycosidase. *Journal of Biotechnology*, **2004**, 111, 67-77	3.7	45
19	Dynamic fluorescence studies of beta-glycosidase mutants from Sulfolobus solfataricus: effects of single mutations on protein thermostability. *Proteins: Structure, Function and Bioinformatics*, **2003**, 51, 10-20	4.2	7

18	Antioxidant properties of low molecular weight phenols present in the mediterranean diet. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 6975-81	5.7	102
17	Heterogeneity in the structural dynamics of Sulfolobus solfataricus beta-glycosidase revealed by electron paramagnetic resonance and frequency domain fluorometry. *Protein Science*, **2002**, 11, 2535-44	6.3	6
16	SDS-resistant active and thermostable dimers are obtained from the dissociation of homotetrameric beta-glycosidase from hyperthermophilic Sulfolobus solfataricus in SDS. Stabilizing role of the A-C intermonomeric interface. *Journal of Biological Chemistry*, **2002**, 277, 44050-60	5.4	43
15	Bioactive derivatives from oleuropein by a biotransformation on Olea europaea leaf extracts. *Journal of Biotechnology*, **2002**, 93, 109-19	3.7	63
14	Olea europaea L. leaf extract and derivatives: antioxidant properties. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 4934-40	5.7	129
13	Changes in phenolic and enzymatic activities content during fruit ripening in two Italian cultivars of Olea europaea L.. *Plant Science*, **2002**, 162, 791-798	5.3	67
12	Antioxidant activity of the main bioactive derivatives from oleuropein hydrolysis by hyperthermophilic beta-glycosidase. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 3198-203	5.7	77
11	Intramolecular dynamics and conformational transition in proteins studied by biophysical labelling methods. Common and specific features of proteins from thermophylic micro-organisms. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2000**, 56A, 2011-31	4.4	14
10	EPR spin labeling study of conformational transitions of Eglycosidase from the hyperthermophilic archaeonSulfolobus solfataricus expressed inEscherichia coli. *Applied Magnetic Resonance*, **2000**, 18, 515-526	0.8	3
9	Hydrolysis of oleuropein by recombinant beta-glycosidase from hyperthermophilic archaeon Sulfolobus solfataricus immobilised on chitosan matrix. *Journal of Biotechnology*, **2000**, 77, 275-86	3.7	62
8	Homology modeling and active-site residues probing of the thermophilic Alicyclobacillus acidocaldarius esterase 2. *Protein Science*, **1999**, 8, 1789-96	6.3	30
7	Purification and characterization of a lipoxygenase enzyme from durum wheat semolina. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 1924-31	5.7	17
6	Structure-function studies on beta-glycosidase from Sulfolobus solfataricus. Molecular bases of thermostability. *Biochimie*, **1998**, 80, 949-57	4.6	34
5	Thermophilic esterases and the amino acid traffic rulein the hormone sensitive lipase subfamily. *Progress in Biotechnology*, **1998**, 15, 325-330		4
4	Identification of the active site nucleophile in the thermostable beta-glycosidase from the archaeon Sulfolobus solfataricus expressed in Escherichia coli. *Biochemistry*, **1997**, 36, 3068-75	3.2	27
3	Functional and structural properties of the homogeneous beta-glycosidase from the extreme thermoacidophilic archaeon sulfolobus solfataricus expressed in Saccharomyces cerevisiae. *Protein Expression and Purification*, **1996**, 7, 299-308	2	18
2	Expression and extensive characterization of a beta-glycosidase from the extreme thermoacidophilic archaeon Sulfolobus solfataricus in Escherichia coli: authenticity of the recombinant enzyme. *Enzyme and Microbial Technology*, **1995**, 17, 992-7	3.8	68
1	Interaction of the high-affinity inhibitor tetrahydro-dUMP with the allosteric enzyme deoxycytidylate aminohydrolase. *Archives of Biochemistry and Biophysics*, **1994**, 310, 49-53	4.1	