Patrizia Cioni

List of Publications by Year
in descending order

42 papers	1,231 citations	394421 19 h-index	361022 35 g-index
42 all docs	42 docs citations	42 times ranked	1224 citing authors

#	Article	IF	Citations
1	Use of Exogenous Enzymes in Human Therapy: Approved Drugs and Potential Applications. Current Medicinal Chemistry, 2022, 29, 411-452.	2.4	16
2	Heat and cold denaturation of yeast frataxin: The effect of pressure. Biophysical Journal, 2022, 121, 1502-1511.	0.5	3
3	A novel hotspot of gelsolin instability triggers an alternative mechanism of amyloid aggregation. Computational and Structural Biotechnology Journal, 2021, 19, 6355-6365.	4.1	2
4	Interplay between extracellular polymeric substances (EPS) from a marine diatom and model nanoplastic through eco-corona formation. Science of the Total Environment, 2020, 725, 138457.	8.0	80
5	Engineering methionine Î³-lyase from Citrobacter freundii for anticancer activity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 1260-1270.	2.3	11
6	Soluble and Nanoporous Silica Gel-Entrapped C. freundii Methionine Î³-Lyase. Journal of Nanoscience and Nanotechnology, 2018, 18, 2210-2219.	0.9	8
7	Temperature and pressure effects on GFP mutants: explaining spectral changes by molecular dynamics simulations and TD-DFT calculations. Physical Chemistry Chemical Physics, 2016, 18, 12828-12838.	2.8	11
8	A SELDI-TOF approach to ecotoxicology: comparative profiling of low molecular weight proteins from a marine diatom exposed to CdSe/ZnS quantum dots. Ecotoxicology and Environmental Safety, 2016, 123, 45-52.	6.0	16
9	The response of Phaeodactylum tricornutum to quantum dot exposure: Acclimation and changes in protein expression. Marine Environmental Research, 2015, 111, 149-157.	2.5	12
10	Temperature and pressure effects on C112S azurin: Volume, expansivity, and flexibility changes. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1787-1798.	2.6	8
11	Interaction of CdSe/ZnS quantum dots with the marine diatom Phaeodactylum tricornutum and the green alga Dunaliella tertiolecta: A biophysical approach. Biophysical Chemistry, 2013, 182, 4-10.	2.8	44
12	Temperature and pressure dependence of azurin stability as monitored by tryptophan fluorescence and phosphorescence. The case of F29A mutant. Biophysical Chemistry, 2013, 182, 44-50.	2.8	5
13	Chemical stability of CdSe quantum dots in seawater and their effects on a marine microalga. Aquatic Toxicology, 2012, 122-123, 153-162.	4.0	68
14	Does azurin bind to the transactivation domain of p53? A Trp phosphorescence study. Biophysical Chemistry, 2011, 159, 287-293.	2.8	9
15	Protein dynamics and pressure: What can high pressure tell us about protein structural flexibility?. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 934-941.	2.3	24
16	Cavity-Creating Mutations in Pseudomonas aeruginosa Azurin: Effects on Protein Dynamics and Stability. Biophysical Journal, 2008, 95, 771-781.	0.5	11
17	Role of Protein Cavities on Unfolding Volume Change and on Internal Dynamics under Pressure. Biophysical Journal, 2006, 91, 3390-3396.	0.5	15
18	Effects of Sucrose on the Internal Dynamics of Azurin. Biophysical Journal, 2005, 88, 4213-4222.	0.5	53

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19	Effects of Cavity-Forming Mutations on the Internal Dynamics of Azurin. Biophysical Journal, 2004, 86, 1149-1159.	0.5	19
20	Effect of Heavy Water on Protein Flexibility. Biophysical Journal, 2002, 82, 3246-3253.	0.5	158
21	Tryptophan phosphorescence and pressure effects on protein structure. BBA - Proteins and Proteomics, 2002, 1595, 116-130.	2.1	54
22	Dynamic Features of the Subunit Interface of Cu,Zn Superoxide Dismutase as Probed by Tryptophan Phosphorescence. Archives of Biochemistry and Biophysics, 2001, 391, 111-118.	3.0	3
23	Oxygen and acrylamide quenching of protein phosphorescence: correlation with protein dynamics. Biophysical Chemistry, 2000, 87, 15-24.	2.8	13
24	Pressureâ^'Temperature Effects on Oxygen Quenching of Protein Phosphorescence. Journal of the American Chemical Society, 1999, 121, 8337-8344.	13.7	40
25	Pressure/temperature effects on protein flexibilty from acrylamide quenching of protein phosphorescence. Journal of Molecular Biology, 1999, 291, 955-964.	4.2	31
26	Acrylamide Quenching of Protein Phosphorescence as a Monitor of Structural Fluctuations in the Globular Fold. Journal of the American Chemical Society, 1998, 120, 11749-11757.	13.7	58
27	Phosphorescence Emission of 7-Azatryptophan and 5-Hydroxytryptophan in Fluid Solutions and in Î±2RNA Polymerase. Biochemical and Biophysical Research Communications, 1998, 248, 347-351.	2.1	10
28	Pressure-Induced Dissociation of Yeast Glyceraldehyde-3-phosphate Dehydrogenase:â€‰ Heterogeneous Kinetics and Perturbations of Subunit Structure. Biochemistry, 1997, 36, 8586-8593.	2.5	15
29	Tryptophan Luminescence as a Probe of Enzyme Conformation along theO-Acetylserine Sulfhydrylase Reaction Pathwayâ€. Biochemistry, 1996, 35, 8392-8400.	2.5	42
30	Pressure Effects on the Structure of Oligomeric Proteins Prior to Subunit Dissociation. Journal of Molecular Biology, 1996, 263, 789-799.	4.2	52
31	Pressure Effects on Protein Flexibility Monomeric Proteins. Journal of Molecular Biology, 1994, 242, 291-301.	4.2	86
32	Tryptophan phosphorescence as a monitor of the solution structure of phosphoglycerate kinase from yeast. Biophysical Chemistry, 1993, 46, 47-55.	2.8	19
33	Conformational changes and subunit communication in tryptophan synthase: effect of substrates and substrate analogs. Biochemistry, 1992, 31, 7535-7542.	2.5	56
34	Characterization of tryptophan and coenzyme luminescence in tryptophan synthase from Salmonella typhimurium. Biochemistry, 1992, 31, 7527-7534.	2.5	26
35	Tb3+ luminescence in metal-substituted alkaline phosphatase. Journal of Photochemistry and Photobiology B: Biology, 1992, 13, 289-294.	3.8	5
36	Characterization of tryptophan phosphorescence of aspartate aminotransferase from Escherichia coli. FEBS Journal, 1992, 209, 759-764.	0.2	12

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37	Tryptophan phosphorescence as a monitor of the structural role of metal ions in alkaline phosphatase. FEBS Journal, 1989, 185, 573-579.	0.2	30
38	Dynamical structure of glutamate dehydrogenase as monitored by tryptophan phosphorescence. Journal of Molecular Biology, 1989, 207, 237-247.	4.2	44
39	Characterization of tryptophan environments in glutamate dehydrogenases from temperature-dependent phosphorescence. Biochemistry, 1987, 26, 4968-4975.	2.5	24
40	Relationship of disulfide bonds to the maintenance of the active secondary structure of alfalfa (Medicago sativa) leaves protease inhibitor. Journal of Agricultural and Food Chemistry, 1986, 34, 545-547.	5.2	2
41	Purification, stability and kinetic properties of highly purified adenosine deaminase from Bacillus cereus NCIB 8122. Biochimica Et Biophysica Acta - General Subjects, 1986, 884, 490-496.	2.4	15
42	Purification and characterization of two leaf polypeptide inhibitors of leaf protease from alfalfa (Medicago sativa). Archives of Biochemistry and Biophysics, 1985, 238, 206-212.	3.0	21