

Rossana D'avino

List of Publications by Year in descending order

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papers

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times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of pH on the Structure and Function of Kiwi Pectin Methyltransferase Inhibitor. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5866-5876.	5.2	22
2	A functional pectin methyltransferase inhibitor protein (SolyPMEI) is expressed during tomato fruit ripening and interacts with PME-1. <i>Plant Molecular Biology</i> , 2012, 79, 429-442.	3.9	63
3	The peculiar structural features of kiwi fruit pectin methyltransferase: Amino acid sequence, oligosaccharides structure, and modeling of the interaction with its natural proteinaceous inhibitor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 195-206.	2.6	39
4	Molecular cloning, expression and characterization of a novel apoplasmic invertase inhibitor from tomato (<i>Solanum lycopersicum</i>) and its use to purify a vacuolar invertase. <i>Biochimie</i> , 2008, 90, 1611-1623.	2.6	41
5	A comparative infrared spectroscopic study of glycoside hydrolases from extremophilic archaea revealed different molecular mechanisms of adaptation to high temperatures. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 991-1001.	2.6	19
6	Tomato pectin methyltransferase: Modeling, fluorescence, and inhibitor interaction studies? comparison with the bacterial (<i>Erwinia chrysanthemi</i>) enzyme. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 53, 830-839.	2.6	58
7	Ionic network at the C-terminus of the β -glucosidase from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> : Functional role in the quaternary structure thermal stabilization. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 48, 98-106.	2.6	19
8	Hemoglobin of the Antarctic Fishes <i>Trematomus bernacchii</i> and <i>Trematomus newnesi</i> : Structural Basis for the Increased Stability of the Liganded Tetramer Relative to Human Hemoglobin. <i>Biochemistry</i> , 2001, 40, 3062-3068.	2.5	11
9	Molecular modelling of <i>Trematomus newnesi</i> Hb 1: Insights for a lowered oxygen affinity and lack of root effect. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 39, 155-165.	2.6	7
10	The hemoglobin system of <i>Pleuragramma antarcticum</i> : Correlation of hematological and biochemical adaptations with life style. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1037-1044.	0.6	17
11	The hemoglobin system of Antarctic and non-Antarctic notothenioid fishes. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1045-1049.	0.6	17
12	The Unique Hemoglobin System of <i>Pleuragramma antarcticum</i> , an Antarctic Migratory Teleost. <i>Journal of Biological Chemistry</i> , 1996, 271, 23780-23785.	3.4	46
13	Proton-linked Subunit Kinetic Heterogeneity for Carbon Monoxide Binding to Hemoglobin from <i>Chelidonichthys kumu</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 29859-29864.	3.4	10
14	Haemoglobin of the Antarctic fish <i>Pagothenia bernacchii</i> . <i>Journal of Molecular Biology</i> , 1992, 224, 449-460.	4.2	96
15	The primary structure and oxygen-binding properties of the single haemoglobin of the high-Antarctic fish <i>Aethotaxis mitopteryx</i> DeWitt. <i>Polar Biology</i> , 1992, 12, 135-140.	1.2	25
16	Haematological studies on <i>Aethotaxis mitopteryx</i> DeWitt, a high-Antarctic fish with a single haemoglobin. <i>Polar Biology</i> , 1992, 12, 141-145.	1.2	13
17	The hemoglobins of <i>Notothenia angustata</i> , a temperate fish belonging to a family largely endemic to the Antarctic Ocean. <i>FEBS Journal</i> , 1992, 210, 963-970.	0.2	43
18	Hemoglobin from the Antarctic fish <i>Notothenia coriiceps neglecta</i> . Amino acid sequence of the beta chain. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990, 96, 367-373.	0.2	6

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19	Structure and function of hemoglobin in antarctic fishes and evolutionary implications. Polar Biology, 1990, 10, 269-274.	1.2	28
20	Hemoglobin from the Antarctic fish <i>Notothenia coriiceps neglecta</i> . 1. Purification and characterisation. FEBS Journal, 1989, 179, 699-705.	0.2	54
21	Hemoglobin from the Antarctic fish <i>Notothenia coriiceps neglecta</i> . 2. Amino acid sequence of the alpha chain of Hb 1. FEBS Journal, 1989, 179, 707-713.	0.2	26
22	The amino acid sequence of the $\hat{1}\pm$ - and $\hat{1}^2$ -chains of the two hemoglobins of the Antarctic fish <i>Notothenia coriiceps neglecta</i> . FEBS Letters, 1989, 250, 53-56.	2.8	17
23	Molecular adaptation of the blood of Antarctic teleosts to environmental conditions. Antarctic Science, 1989, 1, 119-124.	0.9	24
24	Antarctic fish hemoglobin: an outline of the molecular structure and oxygen binding properties. I. Molecular structure. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1988, 90, 579-584.	0.2	22