

# Rossana D'avino

## List of Publications by Year in descending order

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24  
papers

723  
citations

471509

17  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

587  
citing authors

#	ARTICLE	IF	CITATIONS
1	Haemoglobin of the Antarctic fish <i>Pagothenia bernacchii</i> . <i>Journal of Molecular Biology</i> , 1992, 224, 449-460.	4.2	96
2	A functional pectin methylesterase 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	Tomato pectin methylesterase: 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
4	Hemoglobin from the Antarctic fish <i>Notothenia coriiceps neglecta</i> . 1. Purification and characterisation. <i>FEBS Journal</i> , 1989, 179, 699-705.	0.2	54
5	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
6	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
7	Molecular cloning, expression and characterization of a novel apoplactic 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
8	The peculiar structural features of kiwi fruit pectin methylesterase: 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
9	Structure and function of hemoglobin in antarctic fishes and evolutionary implications. <i>Polar Biology</i> , 1990, 10, 269-274.	1.2	28
10	Hemoglobin from the Antarctic fish <i>Notothenia coriiceps neglecta</i> . 2. Amino acid sequence of the alpha chain of Hb 1. <i>FEBS Journal</i> , 1989, 179, 707-713.	0.2	26
11	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
12	Molecular adaptation of the blood of Antarctic teleosts to environmental conditions. <i>Antarctic Science</i> , 1989, 1, 119-124.	0.9	24
13	Antarctic fish hemoglobin: an outline of the molecular structure and oxygen binding properties. Molecular structure. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1988, 90, 579-584.	0.2	22
14	Influence of pH on the Structure and Function of Kiwi Pectin Methylesterase Inhibitor. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5866-5876.	5.2	22
15	Ionic network at the C-terminus of the $\beta$ -glycosidase 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
16	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
17	The amino acid sequence of the $\hat{1}$ - and $\hat{2}$ -chains of the two hemoglobins of the Antarctic fish <i>Notothenia coriiceps neglecta</i> . <i>FEBS Letters</i> , 1989, 250, 53-56.	2.8	17
18	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

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19	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
20	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
21	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
22	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
23	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
24	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