

Ramaswamy Krishnamoorthi

List of Publications by Year in descending order

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23
docs citations

23
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct Ca ²⁺ Binding Properties of Novel C2 Domains of Plant Phospholipase D ¹ and D ² . Journal of Biological Chemistry, 2000, 275, 19700-19706.	3.4	116
2	Disulfide bond effects on protein stability: Designed variants of Cucurbita maxima trypsin inhibitor-V. Protein Science, 2001, 10, 149-160.	7.6	90
3	A new protein inhibitor of trypsin and activated hageman factor from pumpkin (Cucurbita maxima) seeds. FEBS Letters, 1990, 273, 163-167.	2.8	60
4	Activation of Plant Phospholipase D ² by Phosphatidylinositol 4,5-Bisphosphate: Characterization of Binding Site and Mode of Action. Biochemistry, 2002, 41, 4546-4553.	2.5	53
5	Solution conformations of proline rings in proteins studied by NMR spectroscopy. Journal of Biomolecular NMR, 1995, 6, 123-128.	2.8	34
6	Self-association of an Insect D ² -1,3-Glucan Recognition Protein Upon Binding Laminarin Stimulates Prophenoloxidase Activation as an Innate Immune Response. Journal of Biological Chemistry, 2014, 289, 28399-28410.	3.4	32
7	Evidence for and Characterization of Ca ²⁺ Binding to the Catalytic Region of Arabidopsis thaliana Phospholipase D ² . Journal of Biological Chemistry, 2004, 279, 47833-47839.	3.4	30
8	Solution Structure and Backbone Dynamics of Recombinant Cucurbita maxima Trypsin Inhibitor-V Determined by NMR Spectroscopy. Biochemistry, 1996, 35, 1516-1524.	2.5	28
9	An Initial Event in the Insect Innate Immune Response: Structural and Biological Studies of Interactions between D ² -1,3-Glucan and the N-Terminal Domain of D ² -1,3-Glucan Recognition Protein. Biochemistry, 2013, 52, 161-170.	2.5	27
10	Identification of the titrating group in the heme cavity of myoglobin. Evidence for the heme-protein pi-pi interaction. FEBS Journal, 1984, 138, 135-140.	0.2	24
11	Three-Dimensional Solution Structure of Cucurbita maxima Trypsin Inhibitor-V Determined by NMR Spectroscopy. Biochemistry, 1995, 34, 5201-5211.	2.5	23
12	Differential Modulation of Binding Loop Flexibility and Stability by Arg50 and Arg52 in Cucurbita maxima Trypsin Inhibitor-V Deduced by Trypsin-Catalyzed Hydrolysis and NMR Spectroscopy. Biochemistry, 1996, 35, 4784-4794.	2.5	20
13	¹ H-NMR studies of high-potential iron-sulfur protein from the purple phototrophic bacterium, Rhodospirillum rubrum. FEBS Journal, 1989, 181, 81-85.	0.2	18
14	Reactive-Site Hydrolyzed Cucurbita maxima Trypsin Inhibitor-V: Function, Thermodynamic Stability, and NMR Solution Structure. Biochemistry, 1995, 34, 12087-12094.	2.5	18
15	Correlation of Binding-Loop Internal Dynamics with Stability and Function in Potato I Inhibitor Family: Relative Contributions of Arg50 and Arg52 in Cucurbita maxima Trypsin Inhibitor-V As Studied by Site-Directed Mutagenesis and NMR Spectroscopy. Biochemistry, 2002, 41, 9572-9579.	2.5	17
16	Expression, refolding, and activation of the catalytic domain of human blood coagulation factor XII. Protein Expression and Purification, 2003, 27, 143-149.	1.3	17
17	Two-dimensional NMR studies of squash family inhibitors. Sequence-specific proton assignments and secondary structure of reactive-site hydrolyzed Cucurbita maxima trypsin inhibitor III. Biochemistry, 1992, 31, 898-904.	2.5	13
18	Internal Mobility of Reactive-Site-Hydrolyzed Recombinant Cucurbita maxima Trypsin Inhibitor-V Characterized by NMR Spectroscopy: Evidence for Differential Stabilization of Newly Formed C- and N-Termini. Biochemistry, 1996, 35, 12503-12510.	2.5	12

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19	NMR studies of internal dynamics of serine proteinase protein inhibitors: Binding region mobilities of intact and reactive-site hydrolyzed <i>Cucurbita maxima</i> trypsin inhibitor (CMTI) of the squash family and comparison with those of counterparts of CMTI of the potato I family. <i>Protein Science</i> , 1998, 7, 132-141.	7.6	11
20	Structural consequences of the natural substitution, E9K, on reactive-site-hydrolyzed squash (<i>Cucurbita maxima</i>) trypsin inhibitor (CMTI), as studied by two-dimensional NMR. <i>Biochemistry</i> , 1992, 31, 4965-4969.	2.5	10
21	Chemical Warfare Agent Simulants in Gamble's Fluid: Is the Fluid Toxic? Can It Be Made Safer by Inclusion of Solid Nanocrystalline Metal Oxides?. <i>Journal of Chemistry</i> , 2013, 2013, 1-14.	1.9	3
22	Natural abundance ¹⁵ N NMR assignments delineate structural differences between intact and reactive-site hydrolyzed <i>Cucurbita maxima</i> trypsin inhibitor III. <i>FEBS Letters</i> , 1992, 304, 149-152.	2.8	1
23	Protein self-association of N-terminal domain of β 1,3-glucan recognition protein upon binding to β 1,3-glucan stimulates the prophenoloxidase activation in <i>Manduca sexta</i> (1007.4). <i>FASEB Journal</i> , 2014, 28, 1007.4.	0.5	0