

Anja Thalhammer

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

926
citations

623734

14
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	LEA proteins: IDPs with versatile functions in cellular dehydration tolerance. <i>Biochemical Society Transactions</i> , 2012, 40, 1000-1003.	3.4	158
2	Disordered Cold Regulated15 Proteins Protect Chloroplast Membranes during Freezing through Binding and Folding, But Do Not Stabilize Chloroplast Enzymes in Vivo. <i>Plant Physiology</i> , 2014, 166, 190-201.	4.8	108
3	Interaction of two intrinsically disordered plant stress proteins (COR15A and COR15B) with lipid membranes in the dry state. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1812-1820.	2.6	95
4	Cetuximab Resistance in Head and Neck Cancer Is Mediated by EGFR-K521 Polymorphism. <i>Cancer Research</i> , 2017, 77, 1188-1199.	0.9	71
5	Measuring Freezing Tolerance: Electrolyte Leakage and Chlorophyll Fluorescence Assays. <i>Methods in Molecular Biology</i> , 2014, 1166, 15-24.	0.9	71
6	Folding of intrinsically disordered plant LEA proteins is driven by glycerolâ€induced crowding and the presence of membranes. <i>FEBS Journal</i> , 2017, 284, 919-936.	4.7	69
7	Metabolite and transcript markers for the prediction of potato drought tolerance. <i>Plant Biotechnology Journal</i> , 2018, 16, 939-950.	8.3	68
8	Intrinsically Disordered Stress Protein COR15A Resides at the Membrane Surface during Dehydration. <i>Biophysical Journal</i> , 2017, 113, 572-579.	0.5	51
9	Rapid-Acting and Human Insulins: Hexamer Dissociation Kinetics upon Dilution of the Pharmaceutical Formulation. <i>Pharmaceutical Research</i> , 2017, 34, 2270-2286.	3.5	38
10	A mechanistic model of COR15 protein function in plant freezing tolerance: integration of structural and functional characteristics. <i>Plant Signaling and Behavior</i> , 2014, 9, e977722.	2.4	36
11	LEAing through literature: late embryogenesis abundant proteins coming of ageâ€achievements and perspectives. <i>Journal of Experimental Botany</i> , 2022, 73, 6525-6546.	4.8	24
12	In Vitro Studies of Lipopolysaccharide-Mediated DNA Release of Podovirus HK620. <i>Viruses</i> , 2018, 10, 289.	3.3	22
13	Molecular dynamics simulations and CD spectroscopy reveal hydration-induced unfolding of the intrinsically disordered LEA proteins COR15A and COR15B from <i>Arabidopsis thaliana</i> . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25806-25816.	2.8	21
14	Folding and Lipid Composition Determine Membrane Interaction of the Disordered Protein COR15A. <i>Biophysical Journal</i> , 2018, 115, 968-980.	0.5	21
15	Conserved Glycines Control Disorder and Function in the Cold-Regulated Protein, COR15A. <i>Biomolecules</i> , 2019, 9, 84.	4.0	15
16	Similar Yet Differentâ€Structural and Functional Diversity among <i>Arabidopsis thaliana</i> LEA_4 Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2794.	4.1	12
17	The Use of Mass Spectrometry to Examine IDPs: Unique Insights and Caveats. <i>Methods in Enzymology</i> , 2018, 611, 459-502.	1.0	11
18	Conformational selection of the intrinsically disordered plant stress protein COR15A in response to solution osmolarity â€an X-ray and light scattering study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18727-18740.	2.8	10

#	ARTICLE	IF	CITATIONS
19	Measuring Freezing Tolerance of Leaves and Rosettes: Electrolyte Leakage and Chlorophyll Fluorescence Assays. <i>Methods in Molecular Biology</i> , 2020, 2156, 9-21.	0.9	9
20	The Function and Evolution of Closely Related COR/LEA (Cold-Regulated/Late Embryogenesis Abundant) Proteins in <i>Arabidopsis thaliana</i> . , 2013, , 89-105.		5
21	Self-Assembly of Exendin-4-Derived Dual Peptide Agonists is Mediated by Acylation and Correlated to the Length of Conjugated Fatty Acyl Chains. <i>Molecular Pharmaceutics</i> , 2020, 17, 965-978.	4.6	4
22	LEA proteins â€“ Stabilizers of cellular components by structural transitions in response to dehydration. <i>Cryobiology</i> , 2015, 71, 551.	0.7	1
23	Evolution of Transient Helicity and Disorder in Late Embryogenesis Abundant Protein COR15A. <i>Biophysical Journal</i> , 2019, 116, 473a.	0.5	1
24	A Conserved Hydrophobic Moiety and Helixâ€“Helix Interactions Drive the Self-Assembly of the Incretin Analog Exendin-4. <i>Biomolecules</i> , 2021, 11, 1305.	4.0	1