

Aleksey V Kolesnichenko

List of Publications by Year in descending order

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38
papers

378
citations

840776

11
h-index

839539

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all docs

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docs citations

38
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal stress defense in freshwater amphipods from contrasting habitats with emphasis on small heat shock proteins (sHSPs). <i>Journal of Thermal Biology</i> , 2009, 34, 281-285.	2.5	12
2	The role of free fatty acids in mitochondrial energetic metabolism in winter wheat seedlings. <i>Russian Journal of Plant Physiology</i> , 2009, 56, 332-342.	1.1	5
3	Application of heat shock proteins as stress markers in aquatic organisms using endemic Baikal amphipods as an example. <i>Applied Biochemistry and Microbiology</i> , 2008, 44, 310-313.	0.9	5
4	The role of peroxidases weakly bound to the cell walls in potato resistance to ring rot infection. <i>Doklady Biological Sciences</i> , 2008, 423, 425-427.	0.6	2
5	Evaluation of biochemical responses in Palearctic and Lake Baikal endemic amphipod species exposed to CdCl ₂ . <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 99-105.	6.0	25
6	Specific antioxidant reactions to oxidative stress promoted by natural organic matter in two amphipod species from Lake Baikal. <i>Environmental Toxicology</i> , 2006, 21, 104-110.	4.0	39
7	Functioning of a CSP310 stress protein is related to the shunting of electron transfer along the respiratory chain of winter wheat mitochondria. <i>Russian Journal of Plant Physiology</i> , 2006, 53, 332-339.	1.1	0
8	Winter wheat mitochondria functioning in vitro in the presence of calcium ions and stress uncoupling CSP310 protein. <i>Russian Journal of Plant Physiology</i> , 2006, 53, 340-345.	1.1	0
9	Mechanisms and functions of nonphosphorylating electron transport in respiratory chain of plant mitochondria. <i>Russian Journal of Plant Physiology</i> , 2006, 53, 418-429.	1.1	7
10	Natural organic matter (NOM) induces oxidative stress in freshwater amphipods <i>Gammarus lacustris</i> Sars and <i>Gammarus tigrinus</i> (Sexton). <i>Science of the Total Environment</i> , 2006, 366, 673-681.	8.0	65
11	Non-phosphorylating bypass of the plant mitochondrial respiratory chain by stress protein CSP ₃₁₀ . <i>Planta</i> , 2005, 221, 113-122.	3.2	5
12	Nature of the ligand bound to uncoupling CSP310 protein. <i>Russian Journal of Plant Physiology</i> , 2005, 52, 189-193.	1.1	0
13	Changes in Peroxidase Activity during Potato Ring Rot Infection. <i>Russian Journal of Plant Physiology</i> , 2004, 51, 476-479.	1.1	3
14	Peroxidase as a Component of the Signaling Pathway in Potato Cells during Ring Rot Infection. <i>Russian Journal of Plant Physiology</i> , 2004, 51, 621-626.	1.1	2
15	The distribution of electron transport between the main cytochrome and alternative pathways in plant mitochondria during short-term cold stress and cold hardening. <i>Journal of Thermal Biology</i> , 2004, 29, 165-175.	2.5	12
16	Title is missing!. <i>Russian Journal of Plant Physiology</i> , 2003, 50, 224-231.	1.1	2
17	The role of different plant seedling shoots mitochondrial uncoupling systems in thermogenesis during low-temperature stress. <i>Journal of Thermal Biology</i> , 2003, 28, 571-580.	2.5	6
18	Difference between the temperature of non-hardened and hardened winter wheat seedling shoots during cold stress. <i>Journal of Thermal Biology</i> , 2003, 28, 235-244.	2.5	12

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19	Influence of Stress Protein CSP 310 and Antiserum Against This Protein on Oxygen Uptake, Lipid Peroxidation, and Temperature of Winter Wheat Seedling Shoots During Cold Stress. <i>Journal of Immunoassay and Immunochemistry</i> , 2003, 24, 41-55.	1.1	1
20	Stress-induced protein CSP 310: a third uncoupling system in plants. <i>Planta</i> , 2002, 215, 279-286.	3.2	12
21	Involvement of Reactive Oxygen Species in Plant Mitochondrial Response to Low-Temperature Stress. <i>Russian Journal of Plant Physiology</i> , 2002, 49, 269-276.	1.1	5
22	The Effect of CSP310 on Lipid Peroxidation and Respiratory Activity in Winter Wheat Mitochondria. <i>Russian Journal of Plant Physiology</i> , 2002, 49, 628-634.	1.1	3
23	AN INFLUENCE OF ANTISERUM AGAINST WINTER WHEAT STRESS UNCOUPLING PROTEIN, CSP 310, ON ENERGETIC ACTIVITY OF SOME PLANT SPECIES MITOCHONDRIA. <i>Journal of Immunoassay and Immunochemistry</i> , 2001, 22, 75-83.	1.1	7
24	Complex I of winter wheat mitochondria respiratory chain is the most sensitive to uncoupling action of plant stress-related uncoupling protein CSP 310. <i>Journal of Thermal Biology</i> , 2001, 26, 47-53.	2.5	8
25	The comparison of uncoupling activity of constitutently synthesised and stress-induced forms of winter rye stress uncoupling protein CSP 310. <i>Journal of Thermal Biology</i> , 2001, 26, 95-101.	2.5	10
26	The search for proteins with immunochemical affinity to plant stress proteins at cold-adapted endemic Baikal fishes. <i>Journal of Thermal Biology</i> , 2001, 26, 209-214.	2.5	1
27	Title is missing!. <i>Russian Journal of Plant Physiology</i> , 2001, 48, 204-209.	1.1	3
28	Cold-Shock 310-kD Protein Uncouples Oxidative Phosphorylation in Plant Mitochondria. <i>Russian Journal of Plant Physiology</i> , 2001, 48, 89-94.	1.1	9
29	Influence of CSP 310 and CSP 310-like proteins from cereals on mitochondrial energetic activity and lipid peroxidation in vitro and in vivo. <i>BMC Plant Biology</i> , 2001, 1, 1.	3.6	9
30	AN INFLUENCE OF STRESS PROTEIN CSP 310 AND ANTISERUM AGAINST THIS PROTEIN ON LIPID PEROXIDATION IN CEREAL MITOCHONDRIA. <i>Journal of Immunoassay and Immunochemistry</i> , 2001, 22, 113-126.	1.1	7
31	STRESS PROTEIN CSP 310 CAUSES OXIDATION AND PHOSPHORYLATION UNCOUPLING DURING LOW-TEMPERATURE STRESS ONLY IN CEREAL BUT NOT IN DYCOTYLEDON MITOCHONDRIA. <i>Journal of Immunoassay and Immunochemistry</i> , 2001, 22, 275-287.	1.1	5
32	A comparison of the immunochemical affinity of cytoplasmic, mitochondrial and nuclear proteins of winter rye (<i>Secale cereale</i> L.) to a 310 kD stress protein in control plants and during exposure to cold stress. <i>Journal of Thermal Biology</i> , 2000, 25, 203-209.	2.5	18
33	Screening of mitochondrial proteins in winter rye, winter wheat, elymus and maize with an immunochemical affinity to the stress protein 310 kD and their intramitochondrial localization in winter wheat. <i>Journal of Thermal Biology</i> , 2000, 25, 245-249.	2.5	9
34	Plant stress-related uncoupling protein CSP 310 caused lipid peroxidation in winter wheat mitochondria under chilling stress. <i>Journal of Thermal Biology</i> , 2000, 25, 323-327.	2.5	10
35	The Association of Plant Stress Uncoupling Protein CSP 310 with Winter Wheat Mitochondria in vitro during Exposure to Low Temperature. <i>Journal of Plant Physiology</i> , 2000, 156, 805-807.	3.5	11
36	The effect of hypothermia on the content of 310 kD stress protein in seedlings of winter rye and wheat. <i>Journal of Thermal Biology</i> , 1999, 24, 91-95.	2.5	7

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37	The comparison of proteins with immunochemical affinity to stress protein 310 kD in cytoplasmatic proteins of winter rye, winter wheat, Elymus and maize. Journal of Thermal Biology, 1999, 24, 211-215.	2.5	12
38	Stress protein 310 kD affects the energetic activity of plant mitochondria under hypothermia. Journal of Thermal Biology, 1998, 23, 1-4.	2.5	29