Victor V Kusnetsov

List of Publications by Year
in descending order

54	1,103	471509 17	434195 31
papers	citations	h-index	g-index

56	56	56	1307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chloroplast RNA polymerases: Role in chloroplast biogenesis. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 761-769.	1.0	191
2	Cytokinin Stimulates Chloroplast Transcription in Detached Barley Leaves. Plant Physiology, 2008, 148, 1082-1093.	4.8	99
3	The Assembly of the CAAT-box Binding Complex at a Photosynthesis Gene Promoter Is Regulated by Light, Cytokinin, and the Stage of the Plastids. Journal of Biological Chemistry, 1999, 274, 36009-36014.	3.4	95
4	The spinach AtpC and AtpD genes contain elements for light-regulated, plastid-dependent and organ-specific expression in the vicinity of the transcription start sites. Plant Journal, 1996, 9, 21-30.	5.7	52
5	Cadmium accumulation in chloroplasts and its impact on chloroplastic processes in barley and maize. Photosynthesis Research, 2015, 125, 291-303.	2.9	51
6	Abscisic acid represses the transcription of chloroplast genes*. Journal of Experimental Botany, 2013, 64, 4491-4502.	4.8	49
7	Role of cytokinins in stress resistance of plants. Russian Journal of Plant Physiology, 2017, 64, 15-27.	1.1	41
8	Methyl jasmonate, gibberellic acid, and auxin affect transcription and transcript accumulation of chloroplast genes in barley. Journal of Plant Physiology, 2011, 168, 1335-1344.	3.5	36
9	Specificity of Cd, Cu, and Fe effects on barley growth, metal contents in leaves and chloroplasts, and activities of photosystem I and photosystem II. Plant Physiology and Biochemistry, 2020, 147, 191-204.	5.8	31
10	Expression of the ribosomal proteins S14, S16, L13a and L30 is regulated by cytokinin and abscisic acid. Plant Science, 2003, 165, 925-932.	3.6	29
11	Differential impact of heat stress on the expression of chloroplast-encoded genes. Plant Physiology and Biochemistry, 2018, 129, 90-100.	5.8	28
12	Suppression of heterotrimeric G-protein Î²-subunit affects anther shape, pollen development and inflorescence architecture in tobacco. Planta, 2005, 220, 737-746.	3.2	26
13	Recent Advances and Horizons of the Cytokinin Studying. Russian Journal of Plant Physiology, 2002, 49, 561-574.	1.1	23
14	Cytokinin stimulates polyribosome loading of nuclear-encoded mRNAs for the plastid ATP synthase in etioplasts ofLupinus luteus: the complex accumulates in the inner-envelope membrane with the CF1moiety located towards the stromal space. Plant Journal, 2004, 38, 578-593.	5.7	21
15	Title is missing!. Plant Growth Regulation, 2000, 32, 329-335.	3.4	20
16	Membrane receptors of cytokinin and their regulatory role in Arabidopsis thaliana plant response to photooxidative stress under conditions of water deficit. Russian Journal of Plant Physiology, 2014, 61, 434-442.	1.1	20
17	Opposite roles of the Arabidopsis cytokinin receptors AHK2 and AHK3 in the expression of plastid genes and genes for the plastid transcriptional machinery during senescence. Plant Molecular Biology, 2017, 93, 533-546.	3.9	20
18	Cytokinin and abscisic acid control plastid gene transcription during barley seedling de-etiolation. Plant Growth Regulation, 2011, 64, 173-183.	3.4	17

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19	Distribution of Cd and other cations between the stroma and thylakoids: a quantitative approach to the search for Cd targets in chloroplasts. Photosynthesis Research, 2019, 139, 337-358.	2.9	17
20	Melatonin modifies the expression of the genes for nuclear- and plastid-encoded chloroplast proteins in detached Arabidopsis leaves exposed to photooxidative stress. Plant Physiology and Biochemistry, 2019, 144, 404-412.	5.8	16
21	Exogenous brassinosteroids activate cytokinin signalling pathway gene expression in transgenic Arabidopsis thaliana. Plant Growth Regulation, 2013, 70, 61-69.	3.4	15
22	Chloroplasts: Structure and Expression of the Plastid Genome. Russian Journal of Plant Physiology, 2018, 65, 465-476.	1.1	15
23	Cytokinin-Regulated Expression of Arabidopsis thaliana PAP Genes and Its Implication for the Expression of Chloroplast-Encoded Genes. Biomolecules, 2020, 10, 1658.	4.0	14
24	Changes in the transcriptional activity of barley plastome genes under heat shock. Russian Journal of Plant Physiology, 2008, 55, 293-300.	1.1	13
25	Effects of 24- epi brassinolide and green light on plastid gene transcription and cytokinin content of barley leaves. Steroids, 2017, 120, 32-40.	1.8	13
26	Cytokinin-binding protein (70 kDa) from etioplasts and amyloplasts of etiolated maize seedlings and chloroplasts of green plants and its putative function. Journal of Experimental Botany, 2010, 61, 3461-3474.	4.8	12
27	Effects of nitrate and ammonium on growth of Arabidopsis thaliana plants transformed with the ARR5::GUS construct and a role for cytokinins in suppression of disturbances induced by the presence of ammonium. Russian Journal of Plant Physiology, 2015, 62, 741-752.	1.1	11
28	Title is missing!. Russian Journal of Plant Physiology, 2002, 49, 92-98.	1.1	10
29	Cyanobacteria respond to cytokinin. Russian Journal of Plant Physiology, 2006, 53, 751-755.	1.1	9
30	Cytokinin-binding protein (70 kDa): localization in tissues and cells of etiolated maize seedlings and its putative function. Journal of Experimental Botany, 2007, 58, 2479-2490.	4.8	9
31	Regulation of lipoxygenase gene expression in potato mini-tubers by phytohormones. Russian Journal of Plant Physiology, 2010, 57, 715-719.	1.1	8
32	Expression of plastid genome and development of Arabidopsis thaliana with disturbed synthesis of brassinosteroids. Russian Journal of Plant Physiology, 2012, 59, 28-34.	1.1	8
33	Changes in the level of chloroplast transcripts in pumpkin cotyledons during heat shock. FEBS Letters, 1993, 321, 189-193.	2.8	7
34	Evidence that the plastid signal and light operate via the same. Molecular Genetics and Genomics, 1996, 252, 631.	2.4	7
35	A novel efficient method for maize genetic transformation: Usage of agrobacterial monolayer. Russian Journal of Plant Physiology, 2009, 56, 258-263.	1.1	6
36	Detached barley leaves as a model for studying cytokinin control of plastid gene regulation. Russian Journal of Plant Physiology, 2009, 56, 551-559.	1.1	6

#	Article	IF	Citations
37	Reverse protection assay: a tool to analyze transcriptional rates from individual promoters. Plant Methods, 2011, 7, 47.	4.3	6
38	Cytokinin membrane receptors modulate transcript accumulation of plastid encoded genes. Russian Journal of Plant Physiology, 2017, 64, 301-309.	1.1	6
39	Phytohormones Regulate the Expression of Nuclear Genes Encoding the Components of the Plastid Transcription Apparatus. Doklady Biochemistry and Biophysics, 2018, 478, 25-29.	0.9	6
40	Expression of the Ribosomal Protein S14 in Lupin Cotyledons is Stimulated by Cytokinin and Inhibited by Abscisic Acid and Light. Botanica Acta, 1998, 111, 287-290.	1.6	5
41	Effects of cytokinin and senescence-inducing factors on expression of P ARR5 -GUS gene construct during leaf senescence in transgenic Arabidopsis thaliana plants. Plant Growth Regulation, 2008, 56, 21-30.	3.4	5
42	Effect of salicylic acid on the alternative pathway of yellow lupine respiration. Russian Journal of Plant Physiology, 2014, 61, 38-46.	1.1	5
43	Run-on transcription as a method for the analysis of mitochondrial genome expression. Russian Journal of Plant Physiology, 2011, 58, 164-168.	1.1	4
44	Possible involvement of cyanobacteria in the formation of plant hormonal system. Russian Journal of Plant Physiology, 2014, 61, 154-159.	1.1	4
45	Plastome Transcription Machinery and Peculiarities of the Expression of Its Genes during Cytokinin-Dependent Deetiolation of Arabidopsis thaliana. Russian Journal of Plant Physiology, 2018, 65, 801-812.	1.1	4
46	The role of PAP4/FSD3 and PAP9/FSD2 in heat stress responses of chloroplast genes. Plant Science, 2022, 322, 111359.	3.6	4
47	Transcriptional and posttranscriptional regulation of chloroplast gene expression by heavy metals in barley seedlings. Russian Journal of Plant Physiology, 2011, 58, 1040-1047.	1.1	3
48	Cytokinin membrane receptors participate in regulation of plastid genome expression in the skotomorphogenesis. Doklady Biochemistry and Biophysics, 2016, 469, 294-297.	0.9	2
49	Melafen stimulates RNA polymerase I activity but has no effect on plastid gene transcription in barley. Doklady Biochemistry and Biophysics, 2010, 431, 82-86.	0.9	1
50	The novel ABA-binding protein encoded by At4g01870 gene in A. thaliana is able to interact with RNA in vitro. Doklady Biochemistry and Biophysics, 2014, 457, 128-131.	0.9	1
51	The ABA-binding protein AA1 of Lupinus luteus is involved in ABA-mediated responses. Russian Journal of Plant Physiology, 2015, 62, 161-170.	1.1	1
52	Novel Aspects in Photosynthesis Gene Regulation. , 2001, , 259-277.		1
53	Do plant chloroplasts contain histidine kinases?. Acta Physiologiae Plantarum, 2012, 34, 1153-1164.	2.1	0
54	Cytokinin regulates differentially expression of P AHK -GUS constructs in transgenic Arabidopsis thaliana plants. Russian Journal of Plant Physiology, 2012, 59, 291-298.	1.1	0