Veremeichik Galina

List of Publications by Year
in descending order

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39 papers	830 citations	430442 18 h-index	500791 28 g-index
40 all docs	40 docs citations	40 times ranked	614 citing authors

#	Article	IF	Citations
1	Individual and combined effects of the rolA, B, and C genes on anthraquinone production in Rubia cordifolia transformed calli. Biotechnology and Bioengineering, 2008, 100, 118-125.	1.7	153
2	TherolBGene Suppresses Reactive Oxygen Species in Transformed Plant Cells through the Sustained Activation of Antioxidant Defense Â Â Â. Plant Physiology, 2012, 158, 1371-1381.	2.3	54
3	Suppression of Reactive Oxygen Species and Enhanced Stress Tolerance in Rubia cordifolia Cells Expressing the rolC Oncogene. Molecular Plant-Microbe Interactions, 2008, 21, 1561-1570.	1.4	47
4	Induction of anthraquinone biosynthesis in Rubia cordifolia cells by heterologous expression of a calciumâ€dependent protein kinase gene. Biotechnology and Bioengineering, 2011, 108, 1734-1738.	1.7	38
5	Recent Advances in the Understanding of Agrobacterium rhizogenes-Derived Genes and Their Effects on Stress Resistance and Plant Metabolism. Advances in Biochemical Engineering/Biotechnology, 2013, 134, 1-22.	0.6	35
6	Decreased ROS level and activation of antioxidant gene expression in Agrobacterium rhizogenes pRiA4-transformed calli of Rubia cordifolia. Planta, 2010, 232, 1023-1032.	1.6	33
7	The rolB gene activates secondary metabolism in Arabidopsis calli via selective activation of genes encoding MYB and bHLH transcription factors. Plant Physiology and Biochemistry, 2016, 102, 70-79.	2.8	30
8	CDPK-driven changes in the intracellular ROS level and plant secondary metabolism. Bioengineered Bugs, 2011, 2, 327-330.	2.0	29
9	Silicatein Genes in Spicule-Forming and Nonspicule-forming Pacific Demosponges. Marine Biotechnology, 2010, 12, 403-409.	1.1	28
10	The rolC gene increases caffeoylquinic acid production in transformed artichoke cells. Applied Microbiology and Biotechnology, 2014, 98, 7773-7780.	1.7	27
11	Engineering High Yields of Secondary Metabolites in Rubia Cell Cultures Through Transformation with Rol Genes. Methods in Molecular Biology, 2010, 643, 229-242.	0.4	25
12	The rolB plant oncogene affects multiple signaling protein modules related to hormone signaling and plant defense. Scientific Reports, 2018, 8, 2285.	1.6	24
13	Anticancer Polyphenols from Cultured Plant Cells: Production and New Bioengineering Strategies. Current Medicinal Chemistry, 2018, 25, 4671-4692.	1.2	24
14	Occurrence of a Silicatein Gene in Glass Sponges (Hexactinellida: Porifera). Marine Biotechnology, 2011, 13, 810-819.	1.1	23
15	Increase of anthraquinone content in Rubia cordifolia cells transformed by native and constitutively active forms of the AtCPK1 gene. Plant Cell Reports, 2016, 35, 1907-1916.	2.8	22
16	Molecular cloning and characterization of seven class III peroxidases induced by overexpression of the agrobacterial rolB gene in Rubia cordifolia transgenic callus cultures. Plant Cell Reports, 2012, 31, 1009-1019.	2.8	20
17	The production of class III plant peroxidases in transgenic callus cultures transformed with the rolB gene of Agrobacterium rhizogenes. Journal of Biotechnology, 2013, 168, 64-70.	1.9	20
18	Activation of anthraquinone biosynthesis in long-cultured callus culture of Rubia cordifolia transformed with the rolA plant oncogene. Journal of Biotechnology, 2019, 306, 38-46.	1.9	20

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19	Expression profiles of calcium-dependent protein kinase genes (CDPK1â€“14) in Agrobacterium rhizogenes pRiA4-transformed calli of Rubia cordifolia under temperature- and salt-induced stresses. Journal of Plant Physiology, 2014, 171, 467-474.	1.6	19
20	The rolB gene activates the expression of genes encoding microRNA processing machinery. Biotechnology Letters, 2015, 37, 921-925.	1.1	19
21	Increase in isoflavonoid content in Glycine max cells transformed by the constitutively active Ca2+ independent form of the AtCPK1 gene. Phytochemistry, 2019, 157, 111-120.	1.4	19
22	Green synthesis of silver nanoparticles using transgenicNicotiana tabacumcallus culture expressing silicatein gene from marine spongeLatrunculia oparinae. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-13.	1.9	17
23	Bioinspired enzymatic synthesis of silica nanocrystals provided by recombinant silicatein from the marine sponge Latrunculia oparinae. Bioprocess and Biosystems Engineering, 2016, 39, 53-58.	1.7	13
24	Induction of resveratrol biosynthesis in Vitis amurensis cells by heterologous expression of the Arabidopsis constitutively active, Ca2+-independent form of the AtCPK1 gene. Process Biochemistry, 2017, 54, 144-155.	1.8	13
25	Isoflavonoid biosynthesis in cultivated and wild soybeans grown in the field under adverse climate conditions. Food Chemistry, 2021, 342, 128292.	4.2	12
26	Modulation of NADPH-oxidase gene expression in rolB- transformed calli of Arabidopsis thaliana and Rubia cordifolia. Plant Physiology and Biochemistry, 2016, 105, 282-289.	2.8	10
27	Can plant oncogenes inhibit programmed cell death? The rolB oncogene reduces apoptosis-like symptoms in transformed plant cells. Plant Signaling and Behavior, 2012, 7, 1058-1061.	1.2	9
28	Inactivation of the auto-inhibitory domain in Arabidopsis AtCPK1 leads to increased salt, cold and heat tolerance in the AtCPK1-transformed Rubia cordifolia L cell cultures. Plant Physiology and Biochemistry, 2021, 159, 372-382.	2.8	9
29	Overexpression of the A4-rolB gene from the pRiA4 of Rhizobium rhizogenes modulates hormones homeostasis and leads to an increase of flavonoid accumulation and drought tolerance in Arabidopsis thaliana transgenic plants. Planta, 2022, 256, .	1.6	9
30	Silicon Crystals Formation Using Silicatein-Like Cathepsin of Marine Sponge <I>Latrunculia oparinae</I>. Journal of Nanoscience and Nanotechnology, 2015, 15, 10046-10049.	0.9	5
31	Differential expression of calcium-dependent protein kinase genes (CDPK1â€“14) in Rubia cordifolia callus cultures transformed with the rolB and rolC genes. Plant Gene, 2020, 21, 100215.	1.4	4
32	Effect of the rol genes from Agrobacterium Rhizogenes on the content and structure of pectic substances and glycanase activity in Rubia Cordifolia transgenic cell cultures. Applied Biochemistry and Microbiology, 2013, 49, 412-418.	0.3	3
33	State of antioxidant systems and ginsenoside contents in the leaves of Panax ginseng in a natural habitat and an artificial plantation. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	3
34	Managing activity and Ca2+ dependence through mutation in the Junction of the AtCPK1 coordinates the salt tolerance in transgenic tobacco plants. Plant Physiology and Biochemistry, 2021, 165, 104-113.	2.8	3
35	Anticancer Polyphenols from Cultured Plant Cells: Production and New Bioengineering Strategies. Current Medicinal Chemistry, 2018, 25, 4671-4692.	1.2	3
36	Cell-wall polysaccharide composition and glycanase activity of Silene vulgaris callus transformed with rolB and rolC genes. Carbohydrate Polymers, 2015, 118, 52-59.	5.1	2

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37	Biomimetic Synthesis of Nanosized Silica Structures on a Substrate with Silicatein. Russian Journal of Bioorganic Chemistry, 2018, 44, 469-471.	0.3	2
38	Inhibition of the JAZ1 gene causes activation of camalexin biosynthesis in Arabidopsis callus cultures. Journal of Biotechnology, 2021, 342, 102-113.	1.9	2
39	Biomanufacturing of nanocrystals using protein biocatalysts. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	1