Modified solvent partitioning scheme providing increas immunoassay for indole-3-acetic acid

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Citation Report

#	Article	IF	Citations
1	Development of Immunoassays for Endogenous Cytokinin and Indole-3-Acetic Acid Determination. Biotechnology and Biotechnological Equipment, 1994, 8, 7-11.	1.3	3
2	Title is missing!. Plant Growth Regulation, 1997, 23, 207-208.	3.4	21
3	Contents of abscisic acid and cytokinins in shoots during dehydration of wheat seedlings. Biologia Plantarum, 1997, 39, 291-293.	1.9	12
4	Title is missing!. Plant Growth Regulation, 1998, 26, 105-108.	3.4	30
5	Root Demographics and Their Efficiencies in Sustainable Agriculture, Grasslands and Forest Ecosystems. , 1998, , .		6
6	Growth rate, IAA and cytokinin content of wheat seedling after root pruning. Plant Growth Regulation, 2001, 33, 51-57.	3.4	30
7	Recent Advances of Plant Root Structure and Function. , 2001, , .		3
8	The Role of Hormones in Fast Growth Responses of Wheat Plants to Osmotic and Cold Shocks. Russian Journal of Plant Physiology, 2002, 49, 513-517.	1.1	7
9	Characterization of Hormonal Complex in Pea Phenotypes Differing in Leaf Morphology. Russian Journal of Plant Physiology, 2002, 49, 507-512.	1.1	1
10	Effect of PEG-treatment on the leaf growth response and auxin content in shoots of wheat seedlings. Plant Growth Regulation, 2002, 38, 191-194.	3.4	20
11	Development of Agrobacterium tumefaciens C58-induced plant tumors and impact on host shoots are controlled by a cascade of jasmonic acid, auxin, cytokinin, ethylene and abscisic acid. Planta, 2003, 216, 512-522.	3.2	80
12	Gradual shifts in sites of free-auxin production during leaf-primordium development and their role in vascular differentiation and leaf morphogenesis in Arabidopsis. Planta, 2003, 216, 841-853.	3.2	329
13	Flavonoid-related regulation of auxin accumulation in Agrobacterium tumefaciens -induced plant tumors. Planta, 2003, 218, 163-178.	3.2	40
14	Effect of partial root excision on shoot water relations. Journal of Plant Physiology, 2003, 160, 1011-1015.	3.5	5
15	Rapid and tissue-specific changes in ABA and in growth rate in response to salinity in barley leaves. Journal of Experimental Botany, 2004, 55, 1115-1123.	4.8	195
16	Changes in the Levels of IAA and ABA in Cucumber Leaves under Progressive Soil Drought. Russian Journal of Plant Physiology, 2004, 51, 513-517.	1.1	45
17	Unusual stomatal behaviour on partial root excision in wheat seedlings. Plant, Cell and Environment, 2004, 27, 69-77.	5.7	40
18	Chapter 22 Phytochemical analysis. Journal of Chromatography Library, 2004, , 1037-1071.	0.1	0

#	Article	IF	Citations
19	Ability of bacterium Bacillus subtilis to produce cytokinins and to influence the growth and endogenous hormone content of lettuce plants. Plant and Soil, 2005, 272, 201-209.	3.7	318
20	Participation of Plant Hormones in Growth Resumption of Wheat Shoots Following Short-Term NaCl Treatment. Russian Journal of Plant Physiology, 2005, 52, 788-792.	1.1	12
21	The effect of root cooling on hormone content, leaf conductance and root hydraulic conductivity of durum wheat seedlings (Triticum durum L.).. Journal of Plant Physiology, 2005, 162, 21-26.	3.5	56
22	The short-term growth response to salt of the developing barley leaf. Journal of Experimental Botany, 2006, 57, 1079-1095.	4.8	150
23	Role of auxin in regulating Arabidopsis flower development. Planta, 2006, 223, 315-328.	3.2	264
24	Nitrogen Regulation of Root Branching. Annals of Botany, 2006, 97, 875-881.	2.9	296
25	Immunohistological localization and quantification of IAA in studies of root growth regulation. Russian Journal of Plant Physiology, 2007, 54, 827-832.	1.1	8
26	Cytokinin producing bacteria enhance plant growth in drying soil. Plant and Soil, 2007, 292, 305-315.	3.7	313
27	The Effects of NaCl Treatment on Water Relations, Growth, and ABA Content in Barley Cultivars Differing in Drought Tolerance. Journal of Plant Growth Regulation, 2008, 27, 380-386.	5.1	39
28	Changes in expansin gene expression, IAA content, and extension growth of leaf cells in maize plants subjected to salinity. Russian Journal of Plant Physiology, 2008, 55, 101-106.	1.1	20
29	Abscisic acid accumulation in the roots of nutrient-limited plants: Its impact on the differential growth of roots and shoots. Journal of Plant Physiology, 2008, 165, 1274-1279.	3.5	49
30	Dynamics of IAA and cytokinins in flower tissues of transgenic tobacco mutant plants with mutant phenotype. Russian Journal of Plant Physiology, 2009, 56, 830-837.	1.1	1
31	ABA mediation of shoot cytokinin oxidase activity: assessing its impacts on cytokinin status and biomass allocation of nutrient-deprived durum wheat. Functional Plant Biology, 2009, 36, 66.	2.1	48
32	Effect on shoot water relations, and cytokinin and abscisic acid levels of inducing expression of a gene coding for isopentenyltransferase in roots of transgenic tobacco plants. Journal of Experimental Botany, 2010, 61, 3709-3717.	4.8	25
33	Involvement of root ABA and hydraulic conductivity in the control of water relations in wheat plants exposed to increased evaporative demand. Planta, 2011, 233, 87-94.	3.2	97
34	Changes in cytokinin, auxin, and abscisic acid contents in wheat seedlings treated with the growth regulator Stifun. Russian Journal of Plant Physiology, 2012, 59, 398-405.	1.1	6
35	Identification of the NtFZY gene family in Tobacco (Nicotiana tabacum) involved in the tryptophan-dependent auxin biosynthesis pathway. Doklady Biochemistry and Biophysics, 2012, 444, 140-143.	0.9	0
36	Exogenous application of abscisic acid (ABA) increases root and cell hydraulic conductivity and abundance of some aquaporin isoforms in the ABA-deficient barley mutant Az34. Annals of Botany, 2016, 118, 777-785.	2.9	58

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37	Effect of phosphorus starvation on hormone content and growth of barley plants. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	26
38	Changes in distribution of zeatin and indole-3-acetic acid in cells during callus induction and organogenesis in vitro in immature embryo culture of wheat. In Vitro Cellular and Developmental Biology - Plant, 2016, 52, 251-264.	2.1	16
39	Exogenous methyl jasmonate regulates cytokinin content by modulating cytokinin oxidase activity in wheat seedlings under salinity. Journal of Plant Physiology, 2016, 191, 101-110.	3.5	57
40	Effect of Competition and Treatment with Inhibitor of Ethylene Perception on Growth and Hormone Content of Lettuce Plants. Journal of Plant Growth Regulation, 2017, 36, 450-459.	5.1	8
41	Effect of auxin producing and phosphate solubilizing bacteria on mobility of soil phosphorus, growth rate, and P acquisition by wheat plants. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	74
42	Study of cytokinin transport from shoots to roots of wheat plants is informed by a novel method of differential localization of free cytokinin bases or their ribosylated forms by means of their specific fixation. Protoplasma, 2018, 255, 1581-1594.	2.1	13
43	Rapid changes in root HvPIP2;2 aquaporins abundance and ABA concentration are required to enhance root hydraulic conductivity and maintain leaf water potential in response to increased evaporative demand. Functional Plant Biology, 2018, 45, 143.	2.1	30
44	Dependence of growth inhibiting action of increased planting density on capacity of lettuce plants to synthesize ABA. Journal of Plant Physiology, 2018, 220, 69-73.	3.5	16
45	Effect of constitutive expression of Arabidopsis CLAVATA3 on cell growth and possible role of cytokinins in leaf size control in transgenic tobacco plants. Journal of Plant Physiology, 2018, 231, 244-250.	3.5	4
46	Development of sugar beet leaves: contents of hormones, localization of abscisic acid, and the level of products of photosynthesis. Plant Signaling and Behavior, 2018, 13, e1482175.	2.4	4
47	Effect of Glutamine Synthetase Gene Overexpression in Birch (Betula pubescens) Plants on Auxin Content and Rooting in vitro. Doklady Biochemistry and Biophysics, 2018, 480, 143-145.	0.9	5
48	Somatic Embryogenesis in Wheat and Barley Calli in vitro Is Determined by the Level of Indoleacetic and Abscisic Acids. Russian Journal of Developmental Biology, 2019, 50, 124-135.	0.5	11
49	Influence of Macroelementsâ€™ Uneven Distribution on the Content of Hormones and Extension of the Roots in Wheat Plants. Russian Journal of Plant Physiology, 2019, 66, 748-755.	1.1	2
50	Methyl jasmonate enhances salt tolerance of almond rootstocks by regulating endogenous phytohormones, antioxidant activity and gas-exchange. Journal of Plant Physiology, 2019, 234-235, 98-105.	3.5	38
51	Dynamics of the contents and distribution of ABA, auxins and aquaporins in developing caryopses of an ABA-deficient barley mutant and its parental cultivar. Seed Science Research, 2019, 29, 261-269.	1.7	4
52	Content and immunohistochemical localization of hormones during in vitro somatic embryogenesis in long-term proliferating Larix sibirica cultures. Plant Cell, Tissue and Organ Culture, 2019, 136, 511-522.	2.3	16
53	Effects of Plant Growth Promoting Rhizobacteria on the Content of Abscisic Acid and Salt Resistance of Wheat Plants. Plants, 2020, 9, 1429.	3.5	31
54	Rhizobacteria Inoculation Effects on Phytohormone Status of Potato Microclones Cultivated In Vitro under Osmotic Stress. Biomolecules, 2020, 10, 1231.	4.0	22

#	Article	IF	Citations
55	Effects of Phosphate Shortage on Root Growth and Hormone Content of Barley Depend on Capacity of the Roots to Accumulate ABA. Plants, 2020, 9, 1722.	3.5	13
56	Capacity of Pseudomonas Strains to Degrade Hydrocarbons, Produce Auxins and Maintain Plant Growth under Normal Conditions and in the Presence of Petroleum Contaminants. Plants, 2020, 9, 379.	3.5	22
57	Indoleacetic Acid Levels in Wheat and Rice Seedlings under Oxygen Deficiency and Subsequent Reoxygenation. Biomolecules, 2020, 10, 276.	4.0	12
58	Combination of Î²-Aminobutyric Acid and Ca2+ Alleviates Chilling Stress in Tobacco (Nicotiana tabacum) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	14
59	A Promising Herbicide-Resistant Bacterial Strain of Pseudomonas protegens for Stimulation of the Growth of Agricultural Cereal Grains. Applied Biochemistry and Microbiology, 2021, 57, 110-116.	0.9	3
60	The influence of the association of barley plants with petroleum degrading bacteria on the hormone content, growth and photosynthesis of barley plants grown in the oil-contaminated soil. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	3
61	Effects of Association of Barley Plants with Hydrocarbon-Degrading Bacteria on the Content of Soluble Organic Compounds in Clean and Oil-Contaminated Sand. Plants, 2021, 10, 975.	3.5	7
62	Influence of Hydrocarbon-Oxidizing Bacteria on the Growth, Biochemical Characteristics, and Hormonal Status of Barley Plants and the Content of Petroleum Hydrocarbons in the Soil. Plants, 2021, 10, 1745.	3.5	7
63	Changes in ABA and IAA content in the roots and shoots of wheat seedlings under nitrogen deficiency. , 1998, , 599-605.		5
64	10.1007/s11183-008-1012-5. , 2010, 55, 101.		0
67	Hormonal response of wheat seedlings to polyethylene glycol-induced water deficiency. , 1998, , 593-597.		0
68	Agroecological aspects of application of Pseudomonas sp. DA1.2 in overcoming herbicidal stress in wheat. BIO Web of Conferences, 2020, 23, 03009.	0.2	0
69	Association of Barley Root Elongation with ABA-Dependent Transport of Cytokinins from Roots and Shoots under Supra-Optimal Concentrations of Nitrates and Phosphates. Cells, 2021, 10, 3110.	4.1	6
70	Effect of the combined use of phytohormone-producing bacteria and Chistalan herbicide on the physiological and morphological parameters of wheat plants. The Agrarian Scientific Journal, 2020, , 67-70.	0.1	0
71	Characterization of the Novel Plant Growth-Stimulating Strain Advenella kashmirensis IB-K1 and Evaluation of Its Efficiency in Saline Soil. Microbiology, 2022, 91, 173-183.	1.2	4
73	Root ABA Accumulation Delays Lateral Root Emergence in Osmotically Stressed Barley Plants by Decreasing Root Primordial IAA Accumulation. International Journal of Plant Biology, 2023, 14, 77-90.	2.6	7
74	Effect of ipt Gene Induction in Transgenic Tobacco Plants on Hydraulic Conductance, Formation of Apoplastic Barriers and Aquaporin Activity under Heat Shock. International Journal of Molecular Sciences, 2023, 24, 9860.	4.1	1
75	Collectible Cell Lines of Larix sibirica Obtained by Somatic Embryogenesis and Their Ability to Regenerate. Forests, 2023, 14, 1920.	2.1	0

#	Article	IF	Citations
76	Portable Technology for Obtaining Plasma-Activated Water to Stimulate the Growth of Spruce and Strawberry Plants. Horticulturae, 2023, 9, 1142.	2.8	2
77	Hormonal Status of Transgenic Birch with a Pine Glutamine Synthetase Gene during Rooting In Vitro and Budburst Outdoors. Biomolecules, 2023, 13, 1734.	4.0	0
78	The Contribution of Hormonal Changes to the Protective Effect of Endophytic Bacterium Bacillus subtilis on Two Wheat Genotypes with Contrasting Drought Sensitivities under Osmotic Stress. Microorganisms, 2023, 11, 2955.	3.6	1