

Atsushi Sakai

List of Publications by Year in descending order

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19
papers

807
citations

759233

12
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794594

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all docs

19
docs citations

19
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	Allelopathic Effects of Volatile Monoterpenoids Produced by <i>Salvia leucophylla</i> : Inhibition of Cell Proliferation and DNA Synthesis in the Root Apical Meristem of <i>Brassica campestris</i> Seedlings. <i>Journal of Chemical Ecology</i> , 2005, 31, 1187-1203.	1.8	326
2	Organelle Nuclei in Higher Plants: Structure, Composition, Function, and Evolution. <i>International Review of Cytology</i> , 2004, 238, 59-118.	6.2	97
3	1,8-Cineole inhibits root growth and DNA synthesis in the root apical meristem of <i>Brassica campestris</i> L.. <i>Journal of Plant Research</i> , 1997, 110, 1-6.	2.4	71
4	1,8-Cineole Inhibits Both Proliferation and Elongation of BY-2 Cultured Tobacco Cells. <i>Journal of Chemical Ecology</i> , 2011, 37, 320-328.	1.8	57
5	NtPoll-like1 and NtPoll-like2, Bacterial DNA Polymerase I Homologs Isolated from BY-2 Cultured Tobacco Cells, Encode DNA Polymerases Engaged in DNA Replication in Both Plastids and Mitochondria. <i>Plant and Cell Physiology</i> , 2007, 48, 1679-1692.	3.1	52
6	Glom Is a Novel Mitochondrial DNA Packaging Protein in <i>Physarum polycephalum</i> and Causes Intense Chromatin Condensation without Suppressing DNA Functions. <i>Molecular Biology of the Cell</i> , 2003, 14, 4758-4769.	2.1	51
7	Amyloplast formation in cultured tobacco cells; effects of plant hormones on multiplication, size, and starch content. <i>Plant Cell Reports</i> , 1996, 15, 601-605.	5.6	23
8	Effects of chloroplast dysfunction on mitochondria: white sectors in variegated leaves have higher mitochondrial DNA levels and lower dark respiration rates than green sectors. <i>Protoplasma</i> , 2012, 249, 805-817.	2.1	23
9	Simultaneous isolation of cell-nuclei, plastid-nuclei and mitochondrial-nuclei from cultured tobacco cells; comparative analysis of their transcriptional activities in vitro. <i>Plant Science</i> , 1998, 133, 17-31.	3.6	19
10	Comparative analysis of DNA synthesis activity in plastid-nuclei and mitochondrial-nuclei simultaneously isolated from cultured tobacco cells. <i>Plant Science</i> , 1999, 140, 9-19.	3.6	18
11	In vitro Transcription/DNA Synthesis Using Isolated Organelle-nuclei: Application to the Analysis of the Mechanisms that Regulate Organelle Genome Function. <i>Journal of Plant Research</i> , 2001, 114, 199-211.	2.4	17
12	Monoterpenes of <i>Salvia leucophylla</i> . <i>Current Bioactive Compounds</i> , 2012, 8, 90-100.	0.5	17
13	Organelle DNA Synthesis before Cell Nuclear Replication is Essential for Subsequent Cell Propagation.. <i>Cytologia</i> , 1996, 61, 235-245.	0.6	10
14	Studies on Dynamic Changes of Organelles Using Tobacco BY-2 as the Model Plant Cell Line. <i>Biotechnology in Agriculture and Forestry</i> , 2004, , 192-216.	0.2	10
15	Effects of chloroplast dysfunction in a subpopulation of leaf mesophyll cells on photosynthetic and respiratory activities of a whole leaf: A study using variegated leaves of <i>Hedera helix</i> L.. <i>Plant Morphology</i> , 2009, 21, 87-91.	0.1	5
16	Organization of Mitochondrial-Nucleoids in BY-2 Cultured Tobacco Cells. <i>Cytologia</i> , 2009, 74, 329-341.	0.6	4
17	An obligate-halophytic mangrove, <i>Rhizophora mucronata</i> , does not require Na ⁺ for the uptake of nutrient ions in their roots. <i>Aquatic Botany</i> , 2021, 169, 103328.	1.6	3
18	Histone H3 is absent from organelle nucleoids in BY-2 cultured tobacco cells. <i>Cell Biology International</i> , 2013, 37, 748-754.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Cytological Studies on Proliferation, Differentiation, and Death of BY-2 Cultured Tobacco Cells. <i>Cytologia</i> , 2015, 80, 133-141.	0.6	2