

Atsushi Watanabe

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

946
citations

516710

16
h-index

501196

28
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62
all docs

62
docs citations

62
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete nucleotide sequence of the <i>Cryptomeria japonica</i> D. Don. chloroplast genome and comparative chloroplast genomics: diversified genomic structure of coniferous species. <i>BMC Plant Biology</i> , 2008, 8, 70.	3.6	146
2	Characterization of resistance to pine wood nematode infection in <i>Pinus thunbergii</i> using suppression subtractive hybridization. <i>BMC Plant Biology</i> , 2012, 12, 13.	3.6	92
3	Transcriptome sequencing and profiling of expressed genes in cambial zone and differentiating xylem of Japanese cedar (<i>Cryptomeria japonica</i>). <i>BMC Genomics</i> , 2014, 15, 219.	2.8	48
4	Identification of novel putative causative genes and genetic marker for male sterility in Japanese cedar (<i>Cryptomeria japonica</i> D. Don). <i>BMC Genomics</i> , 2018, 19, 277.	2.8	45
5	Demonstration of Genome-Wide Association Studies for Identifying Markers for Wood Property and Male Strobili Traits in <i>Cryptomeria japonica</i> . <i>PLoS ONE</i> , 2013, 8, e79866.	2.5	44
6	Isolation and characterization of microsatellite loci from <i>Larix kaempferi</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 664-666.	1.7	41
7	Extended Linkage Disequilibrium in Noncoding Regions in a Conifer, <i>Cryptomeria japonica</i> . <i>Genetics</i> , 2012, 190, 1145-1148.	2.9	34
8	Expression analysis of transporter genes for screening candidate monolignol transporters using <i>Arabidopsis thaliana</i> cell suspensions during tracheary element differentiation. <i>Journal of Plant Research</i> , 2018, 131, 297-305.	2.4	29
9	A frameshift mutation of the chloroplast <i>matK</i> coding region is associated with chlorophyll deficiency in the <i>Cryptomeria japonica</i> virescent mutant Wogon-Sugi. <i>Current Genetics</i> , 2009, 55, 311-321.	1.7	24
10	Simultaneous Evaluation of Paternal and Maternal Immigrant Gene Flow and the Implications for the Overall Genetic Composition of <i>Pinus densiflora</i> Dispersed Seeds. <i>Journal of Heredity</i> , 2010, 101, 144-153.	2.4	24
11	Comparison of histological responses and tissue damage expansion between resistant and susceptible <i>Pinus thunbergii</i> infected with pine wood nematode <i>Bursaphelenchus xylophilus</i> . <i>Journal of Forest Research</i> , 2014, 19, 285-294.	1.4	22
12	Determination of male strobilus developmental stages by cytological and gene expression analyses in Japanese cedar (<i>Cryptomeria japonica</i>). <i>Tree Physiology</i> , 2016, 36, 653-666.	3.1	21
13	Population genetic structure and the effect of historical human activity on the genetic variability of <i>Cryptomeria japonica</i> core collection, in Japan. <i>Tree Genetics and Genomes</i> , 2014, 10, 1257-1270.	1.6	17
14	Transcriptome dynamics of rooting zone and aboveground parts of cuttings during adventitious root formation in <i>Cryptomeria japonica</i> D. Don. <i>BMC Plant Biology</i> , 2018, 18, 201.	3.6	17
15	Construction of genetic linkage map and identification of a novel major locus for resistance to pine wood nematode in Japanese black pine (<i>Pinus thunbergii</i>). <i>BMC Plant Biology</i> , 2019, 19, 424.	3.6	17
16	Isolation and characterization of microsatellite markers from <i>Robinia pseudoacacia</i> L.. <i>Molecular Ecology Resources</i> , 2009, 9, 850-852.	4.8	16
17	Clock genes and diurnal transcriptome dynamics in summer and winter in the gymnosperm Japanese cedar (<i>Cryptomeria japonica</i> (L.f.) D. Don). <i>BMC Plant Biology</i> , 2014, 14, 308.	3.6	16
18	Construction of a core collection and evaluation of genetic resources for <i>Cryptomeria japonica</i> (Japanese cedar). <i>Journal of Forest Research</i> , 2015, 20, 186-196.	1.4	16

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19	Potential of Genome-Wide Studies in Unrelated Plus Trees of a Coniferous Species, <i>Cryptomeria japonica</i> (Japanese Cedar). <i>Frontiers in Plant Science</i> , 2018, 9, 1322.	3.6	16
20	The gene expression analysis of <i>Arabidopsis thaliana</i> ABC transporters by real-time PCR for screening monoglignol-transporter candidates. <i>Journal of Wood Science</i> , 2018, 64, 477-484.	1.9	15
21	Clock genes and diurnal transcriptome dynamics in summer and winter in the gymnosperm Japanese cedar (<i>Cryptomeria japonica</i> (L.f.) D. Don). <i>BMC Plant Biology</i> , 2014, 14, 308.	3.6	15
22	Use of different seed tissues for separate biparentage identification of dispersed seeds in conifers: confirmations and practices for gene flow in <i>Pinus densiflora</i> . <i>Canadian Journal of Forest Research</i> , 2007, 37, 2022-2030.	1.7	14
23	The origin of wild populations of <i>Toxicodendron succedaneum</i> on mainland Japan revealed by genetic variation in chloroplast and nuclear DNA. <i>Journal of Plant Research</i> , 2018, 131, 225-238.	2.4	14
24	Isolation and characterization of microsatellite loci from <i>Quercus mongolica</i> var. <i>crispula</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 695-697.	1.7	13
25	Biological Activities of Extracts from Different Parts of <i>Cryptomeria japonica</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	13
26	Historical seed use and transfer affects geographic specificity in genetic diversity and structure of old planted <i>Pinus thunbergii</i> populations. <i>Forest Ecology and Management</i> , 2018, 408, 211-219.	3.2	13
27	The Evaluation of Wood Properties of Standing Trees in Sugi (<i>Cryptomeria japonica</i>) Plus Tree Clones Selected in Kanto Breeding Region. <i>Mokuzai Gakkai Shi</i> , 2011, 57, 256-264.	0.2	13
28	Effects of day length- and temperature-regulated genes on annual transcriptome dynamics in Japanese cedar (<i>Cryptomeria japonica</i> D. Don), a gymnosperm indeterminate species. <i>PLoS ONE</i> , 2020, 15, e0229843.	2.5	11
29	Spatiotemporal gene expression profiles associated with male strobilus development in <i>Cryptomeria japonica</i> by suppression subtractive hybridization. <i>Breeding Science</i> , 2011, 61, 174-182.	1.9	10
30	Isolation and characterization of microsatellite markers in <i>Melia volkensii</i> Gurke. <i>Conservation Genetics Resources</i> , 2012, 4, 395-398.	0.8	9
31	Phylogeographical structure in <i>Zelkova serrata</i> in Japan and phylogeny in the genus <i>Zelkova</i> using the polymorphisms of chloroplast DNA. <i>Conservation Genetics</i> , 2012, 13, 1109-1118.	1.5	8
32	Influence of Long-Distance Seed Dispersal on the Genetic Diversity of Seed Rain in Fragmented <i>Pinus densiflora</i> Populations Relative to Pollen-Mediated Gene Flow. <i>Journal of Heredity</i> , 2013, 104, 465-475.	2.4	8
33	Species characteristics and intraspecific variation in growth and photosynthesis of <i>Cryptomeria japonica</i> under elevated O ₃ and CO ₂ . <i>Tree Physiology</i> , 2017, 37, 733-743.	3.1	8
34	Influence of temperature on pine wilt disease progression in <i>Pinus thunbergii</i> seedlings. <i>European Journal of Plant Pathology</i> , 2020, 156, 581-590.	1.7	8
35	Evaluation of Male Flower Production in Sugi (<i>Cryptomeria japonica</i>) Plus Tree Clones Selected from a Kanto Breeding Region. <i>Journal of the Japanese Forest Society</i> , 2013, 95, 156-162.	0.2	8
36	Genetic structures of <i>Calophyllum inophyllum</i> L., a tree employing sea-drift seed dispersal in the northern extreme of its distribution. <i>Annals of Forest Science</i> , 2014, 71, 575-584.	2.0	6

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37	Isolation and characterization of microsatellite markers for <i>Thujaopsis dolabrata</i> var. <i>hondai</i> (Cupressaceae). <i>American Journal of Botany</i> , 2012, 99, e317-9.	1.7	5
38	Japanese beech (<i>Fagus crenata</i>) plantations established from seedlings of non-native genetic lineages. <i>Journal of Forest Research</i> , 2012, 17, 116-120.	1.4	5
39	The promoter of an A9 homolog from the conifer <i>Cryptomeria japonica</i> imparts male strobilus-dominant expression in transgenic trees. <i>Plant Cell Reports</i> , 2013, 32, 319-328.	5.6	5
40	RAPD Variation among <i>Quercus</i> Species Distributed in Temperate Deciduous Forests of the Hiruzen Mountains. <i>Journal of Forest Research</i> , 1997, 2, 121-123.	1.4	4
41	Development and Characterization of Microsatellites, Clone Identification, and Determination of Genetic Relationships among <i>Rhus succedanea</i> L. Individuals. <i>Japanese Society for Horticultural Science</i> , 2010, 79, 141-149.	0.8	4
42	Development of tetranucleotide microsatellite markers in <i>Pinus kesiya</i> Royle ex Gordon. <i>Conservation Genetics Resources</i> , 2013, 5, 405-407.	0.8	4
43	Isolation and characterization of tetranucleotide microsatellite markers for <i>Pinus merkusii</i> . <i>Conservation Genetics Resources</i> , 2013, 5, 433-436.	0.8	4
44	Analyses of random BAC clone sequences of Japanese cedar, <i>Cryptomeria japonica</i> . <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	4
45	Do Seedlings Derived from Pinewood Nematode-Resistant <i>Pinus thunbergii</i> Parl. Clones Selected in Southwestern Region Perform Well in Northern Regions in Japan? Inferences from Nursery Inoculation Tests. <i>Forests</i> , 2020, 11, 955.	2.1	4
46	Effects of Temperature Factors on Resistance against Pine Wood Nematodes in <i>Pinus thunbergii</i> , Based on Multiple Location Sites Nematode Inoculation Tests. <i>Forests</i> , 2020, 11, 922.	2.1	4
47	Application of Terrestrial LiDAR for Forest Tree Breeding. <i>Journal of the Japanese Forest Society</i> , 2015, 97, 290-295.	0.2	3
48	Spatiotemporal analysis of pine wilt disease: Relationship between pinewood nematode distribution and defence response in <i>Pinus thunbergii</i> seedlings. <i>Forest Pathology</i> , 2019, 49, e12518.	1.1	3
49	Reforestation or Genetic Disturbance: A Case Study of <i>Pinus thunbergii</i> in the Iki-no-Matsubara Coastal Forest (Japan). <i>Forests</i> , 2021, 12, 72.	2.1	3
50	The Effect of Genotype and Planting Density on the Growth Patterns and Selection of Local Varieties of Sugi (<i>Cryptomeria japonica</i>). <i>Journal of the Japanese Forest Society</i> , 2016, 98, 45-52.	0.2	3
51	Genetic diversity of <i>Pinus densiflora</i> pollen flowing over fragmented populations during a mating season. <i>Journal of Forest Research</i> , 2012, 17, 488-498.	1.4	2
52	Development and characterization of EST-SSR markers for <i>Pinus thunbergii</i> . <i>Journal of Forest Research</i> , 2021, 26, 464-467.	1.4	2
53	Development of Simple DNA Markers for Selecting Trees with the Male-sterile Gene of <i>Cryptomeria japonica</i> . <i>Journal of the Japanese Forest Society</i> , 2019, 101, 155-162.	0.2	2
54	Geographical cline and inter-seaside difference in cone characteristics related to climatic conditions of old planted <i>Pinus thunbergii</i> populations throughout Japan. <i>Plant Species Biology</i> , 2021, 36, 218-229.	1.0	2

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55	Highly polymorphic nuclear microsatellite markers reveal detailed patterns of genetic variation in natural populations of Yezo spruce in Hokkaido. <i>Journal of Forest Research</i> , 2015, 20, 301-307.	1.4	1
56	Effects of Physical Characteristics of Rooting Media on the Rooting of <i>Cryptomeria japonica</i> Cuttings. <i>Journal of the Japanese Forest Society</i> , 2016, 98, 265-272.	0.2	1
57	Genetic Variation of Root Traits of Cuttings and Their Relation to Early Shoot Growth in <i>Cryptomeria japonica</i> . <i>Journal of the Japanese Forest Society</i> , 2018, 100, 218-223.	0.2	1
58	Comparisons of Chloroplast Haplotypes in <i>Toxicodendron succedaneum</i> (L.) Kuntze among Local Cultivars and Candidates for Superior Trees in Japan and Wild Individuals from the Asian Continent Okinawa Island. <i>Journal of the Japanese Forest Society</i> , 2011, 93, 200-204.	0.2	1
59	Evaluation of Genetic Diversity of <i>Toxicodendron vernicifluum</i> Planted in Japan Using EST-SSR and Genetic SSR Markers. <i>Journal of the Japanese Forest Society</i> , 2019, 101, 298-304.	0.2	1
60	Characterization of Candidate Gene and Abnormal of Carbohydrate Metabolism during Pollen Development in a Male Sterility Clone, <i>Sosyun</i> . <i>Journal of the Japanese Forest Society</i> , 2020, 102, 191-197.	0.2	0