

Yoichiro Hoshino

List of Publications by Year in descending order

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64
papers

1,080
citations

471477

17
h-index

454934

30
g-index

65
all docs

65
docs citations

65
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA319 Positively Regulates Cold Tolerance by Targeting OsPCF6 and OsTCP21 in Rice (<i>Oryza</i>) Tj ETQq1 1 0,784314 rgBT /Overd	2.5	963
2	Regeneration of transgenic plants of grapevine (<i>Vitis vinifera</i> L.) via <i>Agrobacterium</i> rhizogenes mediated transformation of embryogenic calli. <i>Journal of Experimental Botany</i> , 1994, 45, 649-656.	4.8	66
3	Highly efficient system of plant regeneration from protoplasts of grapevine (<i>Vitis vinifera</i> L.) through somatic embryogenesis by using embryogenic callus culture and activated charcoal. <i>Plant Science</i> , 1997, 123, 151-157.	3.6	57
4	Bialaphos stimulates shoot regeneration from hairy roots of snapdragon (<i>Antirrhinum majus</i> L.) transformed by <i>Agrobacterium</i> rhizogenes. <i>Plant Cell Reports</i> , 1998, 17, 256-261.	5.6	52
5	Establishment of an efficient in vitro culture and particle bombardment-mediated transformation systems in <i>Miscanthus sinensis</i> Anderss., a potential bioenergy crop. <i>GCB Bioenergy</i> , 2011, 3, 322-332.	5.6	50
6	Resistance of <i>Sclerotinia homoeocarpa</i> Field Isolates to Succinate Dehydrogenase Inhibitor Fungicides. <i>Plant Disease</i> , 2018, 102, 2625-2631.	1.4	39
7	In vitro culture of endosperm and its application in plant breeding: Approaches to polyploidy breeding. <i>Scientia Horticulturae</i> , 2011, 130, 1-8.	3.6	35
8	Evidence for a Common Origin of Homomorphic and Heteromorphic Sex Chromosomes in Distinct <i>Spinacia</i> Species. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1663-1673.	1.8	35
9	In vitro propagation for the conservation of a rare medicinal plant <i>Justicia gendarussa</i> Burm. f. by nodal explants and shoot regeneration from callus. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 943-950.	2.1	34
10	Fertilization-induced changes in the microtubular architecture of the maize egg cell and zygote—an immunocytochemical approach adapted to single cells. <i>Sexual Plant Reproduction</i> , 2004, 17, 89-95.	2.2	32
11	Horticultural characterization of <i>Angelonia salicariifolia</i> plants transformed with wild-type strains of <i>Agrobacterium</i> rhizogenes. <i>Plant Cell Reports</i> , 2003, 21, 981-987.	5.6	30
12	Plant regeneration with maintenance of the endosperm ploidy level by endosperm culture in <i>Lonicera caerulea</i> var. <i>emphyllocalyx</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 291-301.	2.3	30
13	Adventitious shoot regeneration from cultured petal explants of carnation. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 36, 15-19.	2.3	28
14	Ploidy distribution and DNA content variations of <i>Lonicera caerulea</i> (<i>Caprifoliaceae</i>) in Japan. <i>Journal of Plant Research</i> , 2011, 124, 1-9.	2.4	27
15	Isolation of Individual Egg Cells and Zygotes in <i>Alstroemeria</i> Followed by Manual Selection with a Microcapillary-connected Micropump. <i>Annals of Botany</i> , 2006, 97, 1139-1144.	2.9	22
16	Detection of changes in the nuclear phase and evaluation of male germ units by flow cytometry during in vitro pollen tube growth in <i>Alstroemeria aurea</i> . <i>Journal of Plant Research</i> , 2009, 122, 225-234.	2.4	20
17	Suppression of B function strongly supports the modified ABCE model in <i>Tricyrtis</i> sp. (<i>Liliaceae</i>). <i>Scientific Reports</i> , 2016, 6, 24549.	3.3	20
18	Interspecific hybridization in <i>Lonicera caerulea</i> and <i>Lonicera gracilipes</i> : The occurrence of green/albino plants by reciprocal crossing. <i>Scientia Horticulturae</i> , 2010, 125, 692-699.	3.6	19

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19	Assessment of genetic relationships among cultivated and wild <i>Rubus</i> accessions using AFLP markers. <i>Scientia Horticulturae</i> , 2015, 193, 165-173.	3.6	19
20	Explants of Ri-transformed hairy roots of spinach can develop embryogenic calli in the absence of gibberellic acid, an essential growth regulator for induction of embryogenesis from non-transformed roots. <i>Plant Science</i> , 2002, 163, 223-231.	3.6	17
21	<i>Agrobacterium</i> -mediated transformation of <i>Saintpaulia ionantha</i> Wendl.. <i>Plant Science</i> , 2001, 161, 953-960.	3.6	16
22	Plant regeneration from cell suspension-derived protoplasts of <i>Saintpaulia ionantha</i> Wendl. <i>Plant Cell Reports</i> , 1995, 14, 341-4.	5.6	15
23	Production of Transgenic Grapevine (<i>Vitis vinifera</i> L. cv. Koshusanjaku) Plants by Co-cultivation of Embryogenic Calli with <i>Agrobacterium tumefaciens</i> and Selecting Secondary Embryos. <i>Plant Biotechnology</i> , 1998, 15, 29-33.	1.0	13
24	Sperm dimorphism in terms of nuclear shape and microtubule accumulation in <i>Cyrtanthus mackenii</i> . <i>Sexual Plant Reproduction</i> , 2010, 23, 153-162.	2.2	13
25	Characterization of CYCLOIDEA-like genes in controlling floral zygomorphy in the monocotyledon <i>Alstroemeria</i> . <i>Scientia Horticulturae</i> , 2014, 169, 6-13.	3.6	13
26	Interploid and intraploid hybridizations to produce polyploid Haskap (<i>Lonicera caerulea</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.2	13
27	Isolation of embryo sacs from <i>Dianthus</i> ovules by enzymatic treatments and microdissection. <i>Plant Cell Reports</i> , 2000, 19, 443-447.	5.6	10
28	In Vitro Fertilization With Isolated Higher Plant Gametes. <i>Methods in Molecular Biology</i> , 2008, 427, 51-69.	0.9	10
29	Pollen morphology and infrageneric classification of <i>Alstroemeria</i> L. (<i>Alstroemeriaceae</i>). <i>Grana</i> , 2010, 49, 227-242.	0.8	10
30	DNA damage response in male gametes of <i>Cyrtanthus mackenii</i> during pollen tube growth. <i>AoB PLANTS</i> , 2013, 5, plt004-plt004.	2.3	10
31	Comparison of anthocyanin distribution in berries of Haskap (<i>Lonicera caerulea</i> subsp. <i>edulis</i> (Turcz.) Tj ETQq1 1 0.784314 rgBT /Ove using imaging mass spectrometry. <i>Plant Science</i> , 2020, 300, 110633.	3.6	10
32	Endosperm-derived triploid plant regeneration in diploid <i>Actinidia kolomikta</i> , a cold-hardy kiwifruit relative. <i>Scientia Horticulturae</i> , 2017, 219, 53-59.	3.6	9
33	Morphological dormancy in seeds of the autumn-germinating shrub <i>Lonicera caerulea</i> var. <i>emphyllocalyx</i> (<i>Caprifoliaceae</i>). <i>Plant Species Biology</i> , 2009, 24, 20-26.	1.0	8
34	Dynamics of nuclear phase changes during pollen tube growth by using in vitro culture in <i>Petunia</i> . <i>Scientia Horticulturae</i> , 2016, 210, 143-149.	3.6	8
35	Evaluation of plant regeneration ability of different explants and establishment of an efficient regeneration system using immature seeds in <i>Actinidia kolomikta</i> , a cold-hardy kiwifruit relative. <i>Scientia Horticulturae</i> , 2017, 220, 275-282.	3.6	8
36	Branch regeneration induced by sever damage in the brown alga <i>Dictyota dichotoma</i> (dictyotales,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	8

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37	Efficient plant regeneration from cell cultures of ornamental statice, <i>Limonium sinuatum</i> mill.. In <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002, 38, 157-162.	2.1	7
38	Distribution, Ploidy Levels, and Fruit Characteristics of Three <i>Actinidia</i> Species Native to Hokkaido, Japan. <i>Horticulture Journal</i> , 2016, 85, 105-114.	0.8	7
39	Nucleic adaptability of heterokaryons to fungicides in a multinucleate fungus, <i>Sclerotinia homoeocarpa</i> . <i>Fungal Genetics and Biology</i> , 2018, 115, 64-77.	2.1	7
40	Respiratory burst oxidase Expression and Biochemical Responses in <i>Festuca arundinacea</i> under Drought Stress. <i>Crop Science</i> , 2018, 58, 435-442.	1.8	7
41	Simultaneous production of triploid and hexaploid plants by endosperm culture with colchicine treatment in diploid <i>Haemanthus albiflos</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 661-669.	2.3	7
42	Transgenic bialaphos-resistant snapdragon (<i>Antirrhinum majus</i> L.) produced by <i>Agrobacterium rhizogenes</i> transformation. <i>Scientia Horticulturae</i> , 1998, 76, 37-57.	3.6	6
43	Evaluation of Fruit Anthocyanin Composition by LC/MS in Interspecific Hybrids Between Haskap (<i>Lonicera caerulea</i> subsp. <i>edulis</i> (Turcz. ex. Herder) Hult�n) and Miyama-uguisukagura (<i>Lonicera gracilipes</i> Miq.). <i>Horticulture Journal</i> , 2020, 89, 343-350.	0.8	6
44	Plant regeneration from suspension cells induced from hypocotyls derived from interspecific cross <i>Alstroemeria pelegrina</i> magenta and transformation with <i>Agrobacterium tumefaciens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 94, 45-54.	2.3	5
45	Efficient Harvesting of Japanese Blue Honeysuckle. <i>Engineering in Agriculture, Environment and Food</i> , 2011, 4, 12-17.	0.5	5
46	Pollen morphology and its taxonomic significance in the genus <i>Bomarea</i> Mirb. (Alstroemeriaceae) - I. Subgenera <i>Baccata</i> , <i>Sphaerine</i> , and <i>Wichurea</i> . <i>Acta Botanica Brasilia</i> , 2015, 29, 425-432.	0.8	5
47	Estimation of chromosome number among the progeny of a self-pollinated population of triploid <i>Senno</i> (<i>Lychnis senno</i> Siebold et Zucc.) by flow cytometry. <i>Scientia Horticulturae</i> , 2019, 256, 108542.	3.6	5
48	Phylogeny and trait variation of Japanese <i>Rubus</i> subgenus <i>Ideaobatus</i> . <i>Scientia Horticulturae</i> , 2020, 264, 109150.	3.6	5
49	Evaluation of seedling emergence and relative DNA content under dry soil conditions of wild <i>Festuca arundinacea</i> populations collected in Iran. <i>Grassland Science</i> , 2015, 61, 6-14.	1.1	4
50	Regulation of dedifferentiation and differentiation in different explants of <i>Papaver rhoeas</i> L. by one-step culture. <i>Scientia Horticulturae</i> , 2019, 246, 366-370.	3.6	4
51	Genetic Structure of Native Blue Honeysuckle Populations in the Western and Eastern Eurasian Ranges. <i>Plants</i> , 2022, 11, 1480.	3.5	4
52	Flower form alteration by genetic transformation with the class B MADS-box genes of <i>Agapanthus praecox</i> spp. <i>orientalis</i> in transgenic dicot and monocot plants. <i>Molecular Breeding</i> , 2007, 20, 425-429.	2.1	3
53	Isolation and characterization of the plant <i>glsA</i> promoter from <i>Alstroemeria</i> . <i>Plant Biology</i> , 2009, 11, 878-885.	3.8	3
54	Rapid and efficient callus induction and plant regeneration from seeds of zoysiagrass (<i>Zoysia</i>)	1.1	3

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55	Evaluation of female gamete fertility through histological observation by the clearing procedure in <i>Lilium</i> cultivars. <i>Breeding Science</i> , 2018, 68, 360-366.	1.9	3
56	Interspecific Hybridization Using Miyama Matatabi (<i>Actinidia kolomikta</i>), a Japanese Indigenous Wild Kiwifruit Relative. <i>Horticulture Journal</i> , 2018, 87, 481-489.	0.8	3
57	Diploid Male Gametes Circumvent Hybrid Sterility Between Asian and African Rice Species. <i>Frontiers in Plant Science</i> , 2020, 11, 579305.	3.6	3
58	Intergeneric somatic hybrid plantlets between <i>Dianthus barbatus</i> and <i>Gypsophila paniculata</i> obtained by electrofusion. <i>Theoretical and Applied Genetics</i> , 1996, 92, 170-172.	3.6	3
59	Pollen morphology and its taxonomic significance in the genus <i>Bomarea</i> Mirb. (Alstroemeriaceae) - II. Subgenus <i>Bomarea</i> . <i>Acta Botanica Brasilica</i> , 2015, 29, 586-596.	0.8	2
60	Evaluation of pollen tube growth ability in <i>Petunia</i> species having different style lengths. <i>Plant Biotechnology</i> , 2022, 39, 85-92.	1.0	2
61	ANALYSIS OF EXPRESSED PROTEINS IN THE POLLEN TUBE OCCURRING SELF-INCOMPATIBLE RESPONSE USING MASS OR SINGLE-CULTURE SYSTEM OF MATURE POLLEN IN CITRUS. <i>Acta Horticulturae</i> , 2015, , 1267-1274.	0.2	0
62	Formation and establishment of neopolyploids from sterile hybrids in <i>Drosera</i> in a disturbed environment. <i>Folia Geobotanica</i> , 2020, 55, 185-193.	0.9	0
63	In Vitro Self-incompatible-like Response Applied for Protein Identification and Gene Expression Analysis in Citrus Cultivars, Banpeiyu and Hyuganatsu. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 339-345.	1.0	0
64	Production of tetraploid and octoploid <i>Haemanthus albiflos</i> plants using immature embryo-derived embryogenic calli treated with colchicine. <i>Plant Cell, Tissue and Organ Culture</i> , 0, , 1.	2.3	0