Shuhei Nasuda

List of Publications by Year
in descending order

83	6,416	117625 34	71685 76
papers	citations	h-index	g-index

83	83	83	5593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a high-throughput field phenotyping rover optimized for size-limited breeding fields as open-source hardware. Breeding Science, 2022, 72, .	1.9	0
2	De Novo Genome Assembly of the Japanese Wheat Cultivar Norin 61 Highlights Functional Variation in Flowering Time and Fusarium-Resistant Genes in East Asian Genotypes. Plant and Cell Physiology, 2021, 62, 8-27.	3.1	16
3	Global Wheat Head Detection 2021: An Improved Dataset for Benchmarking Wheat Head Detection Methods. Plant Phenomics, 2021, 2021, 9846158.	5.9	60
4	Multiple wheat genomes reveal global variation in modern breeding. Nature, 2020, 588, 277-283.	27.8	513
5	Variations in radioactive cesium accumulation in wheat germplasm from fields affected by the 2011 Fukushima nuclear power plant accident. Scientific Reports, 2020, 10, 3744.	3.3	11
6	Toward a breakthrough in Triticeae breeding: searching for ways to connect genotype and phenotype. Ikushugaku Kenkyu, 2020, 22, 95-100.	0.3	0
7	Origin of wheat B-genome chromosomes inferred from RNA sequencing analysis of leaf transcripts from section Sitopsis species of Aegilops. DNA Research, 2019, 26, 171-182.	3.4	58
8	Perspectives on the use of bioresources in breeding sciences: Lessons from successful studies. Ikushugaku Kenkyu, 2019, 21, 81-85.	0.3	0
9	Genetic dissection of grain morphology in hexaploid wheat by analysis of the NBRP-Wheat core collection. Genes and Genetic Systems, 2019, 94, 35-49.	0.7	8
10	An early-flowering einkorn wheat mutant with deletions of PHYTOCLOCK 1/LUX ARRHYTHMO and VERNALIZATION 2 exhibits a high level of VERNALIZATION 1 expression induced by vernalization. Journal of Plant Physiology, 2018, 222, 28-38.	3.5	10
11	Direct interaction between VRN1 protein and the promoter region of the wheat <i>FT</i> gene. Genes and Genetic Systems, 2018, 93, 25-29.	0.7	20
12	DArTseq-based analysis of genomic relationships among species of tribe Triticeae. Scientific Reports, 2018, 8, 16397.	3.3	101
13	Population structure and association analyses of the core collection of hexaploid accessions conserved <i>ex situ</i> in the Japanese gene bank NBRP-Wheat. Genes and Genetic Systems, 2018, 93, 237-254.	0.7	13
14	Structural features of two major nucleolar organizer regions (NORs), Norâ€Ƀ1 and Norâ€Ƀ2, and chromosomeâ€specific rRNA gene expression in wheat. Plant Journal, 2018, 96, 1148-1159.	5.7	17
15	Cytological observation of chromosome breakage in wheat male gametophytes caused by gametocidal action of Aegilops triuncialis-derived chromosome 3C^t. Genes and Genetic Systems, 2018, 93, 111-118.	0.7	2
16	Shifting the limits in wheat research and breeding using a fully annotated reference genome. Science, 2018, 361, .	12.6	2,424
17	Three dominant awnless genes in common wheat: Fine mapping, interaction and contribution to diversity in awn shape and length. PLoS ONE, 2017, 12, e0176148.	2.5	78
18	A Review of Wheat Genome Sequencing and Perspectives for Breeding in Post-genome Era. Journal of the Japanese Society for Food Science and Technology, 2016, 63, 480-483.	0.1	1

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19	Variation in abscisic acid responsiveness at the early seedling stage is related to line differences in seed dormancy and in expression of genes involved in abscisic acid responses in common wheat. Journal of Cereal Science, 2016, 71, 167-176.	3.7	3
20	Loss-of-Function Mutations in Three Homoeologous PHYTOCLOCK 1 Genes in Common Wheat Are Associated with the Extra-Early Flowering Phenotype. PLoS ONE, 2016, 11, e0165618.	2.5	34
21	How to discover new genes in NGS era. Ikushugaku Kenkyu, 2016, 18, 62-66.	0.3	0
22	Comparative study of the structure of chromosome 1<scp>R</scp> derived from <scp>S</scp>ecale montanum and <scp>S</scp>ecale cereale. Plant Breeding, 2015, 134, 675-683.	1.9	3
23	Resistance to wheat yellow mosaic virus in Madsen wheat is controlled by two major complementary QTLs. Theoretical and Applied Genetics, 2015, 128, 1569-1578.	3.6	25
24	A high-resolution physical map integrating an anchored chromosome with the BAC physical maps of wheat chromosome 6B. BMC Genomics, 2015, 16, 595.	2.8	18
25	Development of the BAC Physical Maps of Wheat Chromosome 6B for Its Genomic Sequencing. , 2015, , 101-107.		0
26	Sequencing of Wheat Chromosome 6B: Toward Functional Genomics. , 2015, , 111-116.		0
27	A High-Density Genetic Map with Array-Based Markers Facilitates Structural and Quantitative Trait Locus Analyses of the Common Wheat Genome. DNA Research, 2014, 21, 555-567.	3.4	30
28	Level of <i>VERNALIZATION 1</i> expression is correlated with earliness in <i>extra early-flowering</i> mutant wheat lines. Breeding Science, 2014, 64, 213-221.	1.9	11
29	Genome-wide marker development for the wheat D genome based on single nucleotide polymorphisms identified from transcripts in the wild wheat progenitor Aegilops tauschii. Theoretical and Applied Genetics, 2014, 127, 261-271.	3.6	43
30	Next-Generation Survey Sequencing and the Molecular Organization of Wheat Chromosome 6B. DNA Research, 2014, 21, 103-114.	3.4	45
31	Genetic Mechanisms of Allopolyploid Speciation Through Hybrid Genome Doubling. International Review of Cell and Molecular Biology, 2014, 309, 199-258.	3.2	13
32	QTL analysis of genetic loci affecting domestication-related spike characters in common wheat. Genes and Genetic Systems, 2014, 89, 121-131.	0.7	12
33	Dissection of barley chromosomes 1H and 6H by the gametocidal system. Genes and Genetic Systems, 2014, 89, 203-214.	0.7	17
34	Homoeologous relationship of rye chromosome arms as detected with wheat PLUG markers. Chromosoma, 2013, 122, 555-564.	2.2	34
35	PCR and sequence analysis of barley chromosome 2H subjected to the gametocidal action of chromosome 2C. Theoretical and Applied Genetics, 2013, 126, 2381-2390.	3.6	13
36	Molecular Genetic Analysis of Domestication Traits in Emmer Wheat. I: Map Construction and QTL Analysis using an F₂Pupulation. Biotechnology and Biotechnological Equipment, 2013, 27, 3627-3637.	1.3	19

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37	Differential contribution of two Ppd-1 homoeoalleles to early-flowering phenotype in Nepalese and Japanese varieties of common wheat. Breeding Science, 2013, 63, 374-383.	1.9	7
38	Dissection of rye chromosomes by the gametocidal system. Genes and Genetic Systems, 2013, 88, 321-327.	0.7	14
39	Development of a self-fertile ditelosomic line for the long arm of chromosome 4B and its characterization using SSR markers. Genes and Genetic Systems, 2013, 88, 311-314.	0.7	4
40	Genetic Basis for Spontaneous Hybrid Genome Doubling during Allopolyploid Speciation of Common Wheat Shown by Natural Variation Analyses of the Paternal Species. PLoS ONE, 2013, 8, e68310.	2.5	51
41	Discovery of High-Confidence Single Nucleotide Polymorphisms from Large-Scale De Novo Analysis of Leaf Transcripts of Aegilops tauschii, A Wild Wheat Progenitor. DNA Research, 2012, 19, 487-497.	3.4	29
42	A wheat homologue of <i>PHYTOCLOCK 1</i> is a candidate gene conferring the early heading phenotype to einkorn wheat. Genes and Genetic Systems, 2012, 87, 357-367.	0.7	55
43	Novel QTLs for growth angle of seminal roots in wheat (Triticum aestivum L.). Plant and Soil, 2012, 354, 395-405.	3.7	78
44	Plant B Chromosomes. Methods in Molecular Biology, 2011, 701, 97-111.	0.9	5
45	Dissection and cytological mapping of barley chromosome 2H in the genetic background of common wheat. Genes and Genetic Systems, 2011, 86, 231-248.	0.7	20
46	Loss of centromeric histone H3 (CENH3) from centromeres precedes uniparental chromosome elimination in interspecific barley hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E498-505.	7.1	260
47	Molecular mapping of the suppressor gene Igc1 to the gametocidal gene Gc3-C1 in common wheat. Genes and Genetic Systems, 2010, 85, 43-53.	0.7	4
48	Dissection of barley chromosome 4H in common wheat by the gametocidal system and cytological mapping of chromosome 4H with EST markers. Genes and Genetic Systems, 2010, 85, 19-29.	0.7	25
49	The evolution of the hexaploid grass Zingeria kochii (Mez) Tzvel. (2n=12) was accompanied by complex hybridization and uniparental loss of ribosomal DNA. Molecular Phylogenetics and Evolution, 2010, 56, 146-155.	2.7	41
50	Localization of anchor loci representing five hundred annotated rice genes to wheat chromosomes using PLUG markers. Theoretical and Applied Genetics, 2009, 118, 499-514.	3.6	116
51	Dissection of barley chromosome 3H in common wheat and a comparison of 3H physical and genetic maps. Genes and Genetic Systems, 2009, 84, 25-34.	0.7	45
52	Cytological dissection and molecular characterization of chromosome 1R derived from 'Burgas 2' common wheat. Genes and Genetic Systems, 2009, 84, 407-416.	0.7	15
53	Structures of the three homoeologous loci of wheat benzoxazinone biosynthetic genes TaBx3 and TaBx4 and characterization of their promoter sequences. Theoretical and Applied Genetics, 2008, 116, 373-381.	3.6	19
54	Dissection of rye chromosome 1R in common wheat. Genes and Genetic Systems, 2008, 83, 43-53.	0.7	36

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55	Dissection of rye B chromosomes, and nondisjunction properties of the dissected segments in a common wheat background. Genes and Genetic Systems, 2008, 83, 23-30.	0.7	55
56	Dissection of barley chromosome 5H in common wheat. Genes and Genetic Systems, 2007, 82, 123-133.	0.7	43
57	The einkorn wheat (Triticum monococcum) mutant, maintained vegetative phase, is caused by a deletion in the VRN1 gene. Genes and Genetic Systems, 2007, 82, 167-170.	0.7	109
58	CENH3 interacts with the centromeric retrotransposon cereba and GC-rich satellites and locates to centromeric substructures in barley. Chromosoma, 2007, 116, 275-283.	2.2	107
59	Chromosome-specific satellite sequences in Turritis glabra. Genes and Genetic Systems, 2006, 81, 287-290.	0.7	2
60	Polymorphic Chromosomal Specificity of Centromere Satellite Families in Arabidopsis halleri ssp. gemmifera. Genetica, 2006, 126, 335-342.	1.1	14
61	Duplication of Centromeric Histone H3 (HTR12) Gene in Arabidopsis halleri and A. lyrata, Plant Species With Multiple Centromeric Satellite Sequences. Genetics, 2006, 174, 2021-2032.	2.9	36
62	Chromosomal assignment and deletion mapping of barley EST markers. Genes and Genetic Systems, 2005, 80, 357-366.	0.7	64
63	An alternative to radiation hybrid mapping for large-scale genome analysis in barley. Molecular Genetics and Genomics, 2005, 274, 589-594.	2.1	29
64	Stable barley chromosomes without centromeric repeats. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9842-9847.	7.1	199
65	Structural dynamics of cereal mitochondrial genomes as revealed by complete nucleotide sequencing of the wheat mitochondrial genome. Nucleic Acids Research, 2005, 33, 6235-6250.	14.5	215
66	Characterization of the genes encoding for MAD2 homologues in wheat. Chromosome Research, 2004, 12, 703-714.	2.2	23
67	Durum wheat as a candidate for the unknown female progenitor of bread wheat: an empirical study with a highly fertile F1 hybrid with Aegilops tauschii Coss.. Theoretical and Applied Genetics, 2004, 109, 1710-1717.	3.6	137
68	A direct repeat sequence associated with the centromeric retrotransposons in wheat. Genome, 2004, 47, 747-756.	2.0	24
69	A PCR-based marker for targeting small rye segments in wheat background. Genes and Genetic Systems, 2004, 79, 245-250.	0.7	36
70	Characterization of a knock-out mutation at the Gc2 locus in wheat. Chromosoma, 2003, 111, 509-517.	2.2	44
71	Molecular cloning, sequencing, and chromosome mapping of a 1A-encoded Ï‰-type prolamin sequence from wheat. Genome, 2002, 45, 661-669.	2.0	22
72	Transfer of rye chromosome segments to wheat by a gametocidal system. Chromosome Research, 2002, 10, 349-357.	2.2	109

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73	Barley chromosome addition lines of wheat for screening of AFLP markers on barley chromosomes.. Genes and Genetic Systems, 2001, 76, 107-110.	0.7	5
74	Development of a complete set of Triticum aestivum-Aegilops speltoides chromosome addition lines. Theoretical and Applied Genetics, 2000, 101, 51-58.	3.6	91
75	Identification of AFLP markers on the satellite region of chromosome 1BS in wheat. Genome, 2000, 43, 729-735.	2.0	16
76	A high-density genetic linkage map of Aegilops tauschii, the D-genome progenitor of bread wheat. Theoretical and Applied Genetics, 1999, 99, 16-26.	3.6	78
77	Cloning and characterization of a centromere-specific repetitive DNA element from Sorghum bicolor. Theoretical and Applied Genetics, 1998, 96, 832-839.	3.6	59
78	Detection of terminal deletions in barley chromosomes by the PCR based method.. Genes and Genetic Systems, 1998, 73, 163-166.	0.7	4
79	Gametocidal Genes Induce Chromosome Breakage in the Interphase Prior to the First Mitotic Cell Division of the Male Gametophyte in Wheat. Genetics, 1998, 149, 1115-1124.	2.9	62
80	Detection of the Sec-1 locus of rye by a PCR-based method.. Genes and Genetic Systems, 1997, 72, 197-203.	0.7	47
81	A conserved repetitive DNA element located in the centromeres ofâ€‰cerealâ€‰chromosomes. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14210-14213.	7.1	195
82	Cytologically based physical maps of the group-2 chromosomes of wheat. Theoretical and Applied Genetics, 1995, 91, 568-573.	3.6	105
83	Chromosomal locations of the genes for histones and a histone gene-binding protein family HBP-1 in common wheat. Plant Molecular Biology, 1993, 22, 603-614.	3.9	10