

Prakit Somta

List of Publications by Year in descending order

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89
papers

3,007
citations

147566

31
h-index

189595

50
g-index

92
all docs

92
docs citations

92
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequence of mungbean and insights into evolution within <i>Vigna</i> species. <i>Nature Communications</i> , 2014, 5, 5443.	5.8	453
2	Construction of a Genetic Linkage Map and Genetic Analysis of Domestication Related Traits in Mungbean (<i>Vigna radiata</i>). <i>PLoS ONE</i> , 2012, 7, e41304.	1.1	147
3	Characterization of microsatellites and gene contents from genome shotgun sequences of mungbean (<i>Vigna radiata</i> (L.) Wilczek). <i>BMC Plant Biology</i> , 2009, 9, 137.	1.6	128
4	The genetics of domestication of yardlong bean, <i>Vigna unguiculata</i> (L.) Walp. ssp. <i>unguiculata</i> cv.-gr. <i>sesquipedalis</i> . <i>Annals of Botany</i> , 2012, 109, 1185-1200.	1.4	87
5	An SSR-based linkage map of yardlong bean (<i>Vigna unguiculata</i> (L.) Walp.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 T	0.9	78
6	Novel Genetic Resources in the Genus <i>Vigna</i> Unveiled from Gene Bank Accessions. <i>PLoS ONE</i> , 2016, 11, e0147568.	1.1	74
7	Inheritance of seed resistance to bruchids in cultivated mungbean (<i>Vigna radiata</i> , L. Wilczek). <i>Euphytica</i> , 2007, 155, 47-55.	0.6	71
8	Quantitative trait loci mapping of <i>Cercospora</i> leaf spot resistance in mungbean, <i>Vigna radiata</i> (L.) Wilczek. <i>Molecular Breeding</i> , 2011, 28, 255-264.	1.0	70
9	New microsatellite markers isolated from mungbean (<i>Vigna radiata</i> (L.) Wilczek). <i>Molecular Ecology Resources</i> , 2008, 8, 1155-1157.	2.2	69
10	Development, characterization and cross-species amplification of mungbean (<i>Vigna radiata</i>) genic microsatellite markers. <i>Conservation Genetics</i> , 2009, 10, 1939-1943.	0.8	68
11	Development of an interspecific <i>Vigna</i> linkage map between <i>Vigna umbellata</i> (Thunb.) Ohwi & Ohashi and <i>V. nakashimae</i> (Ohwi) Ohwi & Ohashi and its use in analysis of bruchid resistance and comparative genomics. <i>Plant Breeding</i> , 2006, 125, 77-84.	1.0	66
12	Development and Validation of EST-SSR Markers from the Transcriptome of Adzuki Bean (<i>Vigna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.1	61
13	A SNP in <i>GmBADH2</i> gene associates with fragrance in vegetable soybean variety 'Kaori' and SNAP marker development for the fragrance. <i>Theoretical and Applied Genetics</i> , 2011, 122, 533-541.	1.8	60
14	Genome sequence of <i>Jatropha curcas</i> L., a non-edible biodiesel plant, provides a resource to improve seed-related traits. <i>Plant Biotechnology Journal</i> , 2019, 17, 517-530.	4.1	56
15	Detection of quantitative trait loci for mungbean yellow mosaic India virus (MYMIV) resistance in mungbean (<i>Vigna radiata</i> (L.) Wilczek) in India and Pakistan. <i>Breeding Science</i> , 2013, 63, 367-373.	0.9	54
16	QTL mapping for salt tolerance and domestication-related traits in <i>Vigna marina</i> subsp. <i>oblonga</i> , a halophytic species. <i>Theoretical and Applied Genetics</i> , 2014, 127, 691-702.	1.8	54
17	A gene encoding a polygalacturonase-inhibiting protein (PGIP) is a candidate gene for bruchid (Coleoptera: bruchidae) resistance in mungbean (<i>Vigna radiata</i>). <i>Theoretical and Applied Genetics</i> , 2016, 129, 1673-1683.	1.8	53
18	Characterization of new sources of mungbean (<i>Vigna radiata</i> (L.) Wilczek) resistance to bruchids, <i>Callosobruchus</i> spp. (Coleoptera: Bruchidae). <i>Journal of Stored Products Research</i> , 2008, 44, 316-321.	1.2	52

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19	Mapping of quantitative trait loci controlling powdery mildew resistance in Mungbean (<i>Vigna radiata</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50	0.7	50
20	Co-localization of QTLs for pod fiber content and pod shattering in F2 and backcross populations between yardlong bean and wild cowpea. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	45
21	Detection of Genome Donor Species of Neglected Tetraploid Crop <i>Vigna reflexo-pilosa</i> (CrÃ©ole Bean), and Genetic Structure of Diploid Species Based on Newly Developed EST-SSR Markers from Azuki Bean (<i>Vigna angularis</i>). <i>PLoS ONE</i> , 2014, 9, e104990.	1.1	44
22	Genetic variation in cultivated mungbean germplasm and its implication in breeding for high yield. <i>Field Crops Research</i> , 2009, 112, 260-266.	2.3	43
23	Mapping of quantitative trait loci for phytic acid and phosphorus contents in seed and seedling of mungbean (&i>Vigna radiata&i> (L.) Wilczek). <i>Breeding Science</i> , 2012, 62, 87-92.	0.9	41
24	Novel Alleles of Two Tightly Linked Genes Encoding Polygalacturonase-Inhibiting Proteins (VrPGIP1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Mungbean (<i>Vigna radiata</i>) Accession V2709. <i>Frontiers in Plant Science</i> , 2017, 8, 1692.	1.7	41
25	Genetic diversity of the black gram [&i>Vigna mungo&i> (L.) Hepper] gene pool as revealed by SSR markers. <i>Breeding Science</i> , 2015, 65, 127-137.	0.9	40
26	A single base substitution in BADH/AMADH is responsible for fragrance in cucumber (<i>Cucumis sativus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1881-1892.	1.8	38
27	Characterization of <i>Callosobruchus chinensis</i> (L.) resistance in <i>Vigna umbellata</i> (Thunb.) Ohwi & Ohashi. <i>Journal of Stored Products Research</i> , 2006, 42, 313-327.	1.2	36
28	Gene discovery and functional marker development for fragrance in sorghum (<i>Sorghum bicolor</i> (L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	36
29	Mapping of quantitative trait loci for a new source of resistance to bruchids in the wild species <i>Vigna nepalensis</i> Tateishi & Maxted (<i>Vigna</i> subgenus <i>Ceratotropis</i>). <i>Theoretical and Applied Genetics</i> , 2008, 117, 621-628.	1.8	34
30	Microsatellite markers for mungbean developed from sequence database. <i>Molecular Ecology Resources</i> , 2009, 9, 862-864.	2.2	34
31	QTL mapping of pod tenderness and total soluble solid in yardlong bean [<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> cv.-gr. <i>sesquipedalis</i>]. <i>Euphytica</i> , 2013, 189, 217-223.	0.6	33
32	A chromosome-scale assembly of the black gram (<i>Vigna mungo</i>) genome. <i>Molecular Ecology Resources</i> , 2021, 21, 238-250.	2.2	33
33	Identification and confirmation of quantitative trait loci controlling resistance to mungbean yellow mosaic disease in mungbean [<i>Vigna radiata</i> (L.) Wilczek]. <i>Molecular Breeding</i> , 2014, 34, 1497-1506.	1.0	32
34	Identification of a new fragrance allele in soybean and development of its functional marker. <i>Molecular Breeding</i> , 2012, 29, 13-21.	1.0	31
35	Construction of genetic linkage map and genome dissection of domestication-related traits of moth bean (<i>Vigna aconitifolia</i>), a legume crop of arid areas. <i>Molecular Genetics and Genomics</i> , 2019, 294, 621-635.	1.0	31
36	Title is missing!. <i>ScienceAsia</i> , 2007, 33(s1), 069.	0.2	31

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37	Comparative Transcriptome Analysis of Waterlogging-Sensitive and Tolerant Zombi Pea (<i>Vigna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Plants, 2019, 8, 264.	1.6	26
38	Narrowing Down a Major QTL Region Conferring Pod Fiber Contents in Yardlong Bean (<i>Vigna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.0	26
39	Quantitative trait locus mapping reveals conservation of major and minor loci for powdery mildew resistance in four sources of resistance in mungbean [<i>Vigna radiata</i> (L.) Wilczek]. <i>Molecular Breeding</i> , 2013, 32, 121-130.	1.0	25
40	Evaluation of Mungbean Genotypes Based on Yield Stability and Reaction to Mungbean Yellow Mosaic Virus Disease. <i>Plant Pathology Journal</i> , 2014, 30, 261-268.	0.7	25
41	Development of an SNP-based high-density linkage map and QTL analysis for bruchid (<i>Callosobruchus</i>) Tj ETQq1 1 0.784314 rgBT /Overl 24	1.6	24
42	Genetic diversity and structure of the zombi pea (<i>Vigna vexillata</i> (L.) A. Rich) gene pool based on SSR marker analysis. <i>Genetica</i> , 2017, 145, 189-200.	0.5	23
43	Gene Mapping of a Mutant Mungbean (<i>Vigna radiata</i> L.) Using New Molecular Markers Suggests a Gene Encoding a YUC4-like Protein Regulates the Chasmogamous Flower Trait. <i>Frontiers in Plant Science</i> , 2016, 7, 830.	1.7	21
44	Same Locus for Non-shattering Seed Pod in Two Independently Domesticated Legumes, <i>Vigna angularis</i> and <i>Vigna unguiculata</i> . <i>Frontiers in Genetics</i> , 2020, 11, 748.	1.1	21
45	QTL analysis of domestication syndrome in zombi pea (<i>Vigna vexillata</i>), an underutilized legume crop. <i>PLoS ONE</i> , 2018, 13, e0200116.	1.1	20
46	Molecular diversity assessment of AVRDC-The World Vegetable Center elite-parental mungbeans. <i>Breeding Science</i> , 2009, 59, 149-157.	0.9	19
47	A single recessive gene controls fragrance in cucumber (<i>Cucumis sativus</i> L.). <i>Journal of Genetics</i> , 2013, 92, 147-149.	0.4	18
48	A second VrPGIP1 allele is associated with bruchid resistance (<i>Callosobruchus</i> spp.) in wild mungbean (<i>Vigna radiata</i> var. <i>sublobata</i>) accession ACC41. <i>Molecular Genetics and Genomics</i> , 2020, 295, 275-286.	1.0	18
49	Mapping QTL conferring resistance to iron deficiency chlorosis in mungbean [<i>Vigna radiata</i> (L.) Wilczek]. <i>Field Crops Research</i> , 2012, 137, 230-236.	2.3	17
50	Mapping QTL for bruchid resistance in rice bean (<i>Vigna umbellata</i>). <i>Euphytica</i> , 2016, 207, 135-147.	0.6	17
51	<i>Macrophomina phaseolina</i> "host interface: Insights into an emerging dry root rot pathogen of mungbean and urdbean, and its mitigation strategies. <i>Plant Pathology</i> , 2021, 70, 1263-1275.	1.2	17
52	Genetics of the resistance to powdery mildew disease in mungbean (<i>Vigna radiata</i> (L.) Wilczek). <i>Journal of Crop Science and Biotechnology</i> , 2009, 12, 37-42.	0.7	16
53	Fine mapping of QTL conferring <i>Cercospora</i> leaf spot disease resistance in mungbean revealed TAF5 as candidate gene for the resistance. <i>Theoretical and Applied Genetics</i> , 2021, 134, 701-714.	1.8	16
54	Development of tetraploid plants from an interspecific hybrid between mungbean (<i>Vigna radiata</i>) and rice bean (<i>Vigna umbellata</i>). <i>Journal of Crop Science and Biotechnology</i> , 2013, 16, 45-51.	0.7	15

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55	Construction of a high density linkage map and genome dissection of bruchid resistance in zombi pea (<i>Vigna vexillata</i> (L.) A. Rich). <i>Scientific Reports</i> , 2019, 9, 11719.	1.6	15
56	A Homoploid Hybrid Between Wild <i>Vigna</i> Species Found in a Limestone Karst. <i>Frontiers in Plant Science</i> , 2015, 6, 1050.	1.7	13
57	Identification of a major QTL for resistance to <i>Cercospora</i> leaf spot disease in cowpea (<i>Vigna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 spot in common bean (<i>Phaseolus vulgaris</i> L.). <i>Euphytica</i> , 2016, 209, 199-207.	0.6	12
58	Mapping of QTLs for Seed Phorbol Esters, a Toxic Chemical in <i>Jatropha curcas</i> (L.). <i>Genes</i> , 2017, 8, 205.	1.0	12
59	Identification of QTLs for Domestication-Related Traits in Zombi Pea [<i>Vigna vexillata</i> (L.) A. Rich], a Lost Crop of Africa. <i>Frontiers in Genetics</i> , 2020, 11, 803.	1.1	12
60	Molecular genetic diversity of winged bean gene pool in Thailand assessed by SSR markers. <i>Horticultural Plant Journal</i> , 2022, 8, 81-88.	2.3	12
61	A Class II KNOX Gene, KNAT7-1, Regulates Physical Seed Dormancy in Mungbean [<i>Vigna radiata</i> (L.) Wilczek]. <i>Frontiers in Plant Science</i> , 2022, 13, 852373.	1.7	11
62	Genetic Dissection of Azuki Bean Weevil (<i>Callosobruchus chinensis</i> L.) Resistance in Moth Bean (<i>Vigna</i>) Tj ETQq0 0.0 rgBT /Overlock 10	1.0	10
63	Genetics of resistance to <i>Cercospora</i> leaf spot disease caused by <i>Cercospora canescens</i> and <i>Pseudocercospora cruenta</i> in yardlong bean (<i>Vigna unguiculata</i> ssp. <i>sesquipedalis</i>) \times grain cowpea (<i>V. unguiculata</i> ssp. <i>unguiculata</i>) populations. <i>Journal of Genetics</i> , 2018, 97, 1451-1456.	0.4	10
64	Classical Genetics and Traditional Breeding in Mungbean. <i>Compendium of Plant Genomes</i> , 2020, , 43-54.	0.3	10
65	RNA-Seq Reveals Waterlogging-Triggered Root Plasticity in Mungbean Associated with Ethylene and Jasmonic Acid Signal Integrators for Root Regeneration. <i>Plants</i> , 2022, 11, 930.	1.6	10
66	De novo Transcriptome Analysis of Apical Meristem of <i>Jatropha</i> spp. Using 454 Pyrosequencing Platform, and Identification of SNP and EST-SSR Markers. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 786-793.	1.0	9
67	Two tightly linked genes coding for NAD-dependent malic enzyme and dynamin-related protein are associated with resistance to <i>Cercospora</i> leaf spot disease in cowpea (<i>Vigna unguiculata</i> (L.) Walp.). <i>Theoretical and Applied Genetics</i> , 2020, 133, 395-407.	1.8	9
68	QTL Mapping for Agronomic and Adaptive Traits Confirmed Pleiotropic Effect of mog Gene in Black Gram [<i>Vigna mungo</i> (L.) Hepper]. <i>Frontiers in Genetics</i> , 2020, 11, 635.	1.1	9
69	Genetic diversity and structure of landrace of lablab (<i>Lablab purpureus</i>) (L.) Sweet cultivars in Thailand revealed by SSR markers. <i>Breeding Science</i> , 2021, 71, 176-183.	0.9	9
70	Mapping quantitative trait loci for yield-related traits in soybean (<i>Glycine max</i> L.). <i>Breeding Science</i> , 2014, 64, 282-290.	0.9	8
71	Candidate gene mapping reveals VrMLO12 (MLO Clade II) is associated with powdery mildew resistance in mungbean (<i>Vigna radiata</i> [L.] Wilczek). <i>Plant Science</i> , 2020, 298, 110594.	1.7	8
72	Genomic Approaches to Biotic Stresses. <i>Compendium of Plant Genomes</i> , 2020, , 133-167.	0.3	8

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73	Inheritance and a major quantitative trait locus of seed starch content in mungbean (<i>Vigna radiata</i> (L.) Tj ETQq1 1 0,6784314,rgBT /Ower	0.6	6
74	Detection of quantitative trait loci for salt tolerance in zombi pea [<i>Vigna vexillata</i> (L.) A. Rich]. <i>Euphytica</i> , 2019, 215, 1.	0.6	6
75	The Genome and Transcriptome Analysis of the <i>Vigna mungo</i> Chloroplast. <i>Plants</i> , 2020, 9, 1247.	1.6	6
76	Mapping and Functional Characterization of Stigma Exposed 1, a DUF1005 Gene Controlling Petal and Stigma Cells in Mungbean (<i>Vigna radiata</i>). <i>Frontiers in Plant Science</i> , 2020, 11, 575922.	1.7	6
77	A new taxonomic treatment for some wild relatives of mungbean (<i>Vigna radiata</i> (L.) Wilcz.) based on their molecular phylogenetic relationships and morphological variations. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 1109-1121.	0.8	5
78	The First Genetic Linkage Map of Winged Bean [<i>Psophocarpus tetragonolobus</i> (L.) DC.] and QTL Mapping for Flower-, Pod-, and Seed-Related Traits. <i>Plants</i> , 2022, 11, 500.	1.6	5
79	Genetic diversity and population structure of <i>Vigna exilis</i> and <i>Vigna grandiflora</i> (Phaseoleae, Fabaceae) from Thailand based on microsatellite variation. <i>Botany</i> , 2013, 91, 653-661.	0.5	4
80	BADH1 is associated with fragrance in sorghum (<i>Sorghum bicolor</i> (L.) Moench) cultivar 'Ambemohor'. <i>Journal of Genetics</i> , 2021, 100, 1.	0.4	4
81	Genetics of resistance to leaf spot disease caused by and in yardlong bean (ssp.) – grain cowpea (ssp.) populations. <i>Journal of Genetics</i> , 2018, 97, 1451-1456.	0.4	4
82	Marker-Assisted Backcross Breeding for Improving Bruchid (<i>Callosobruchus</i> spp.) Resistance in Mung Bean (<i>Vigna radiata</i> L.). <i>Agronomy</i> , 2022, 12, 1271.	1.3	3
83	Thirty Years of Mungbean Genome Research: Where Do We Stand and What Have We Learned?. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
84	Identification and resistant characterization of legume sources against <i>Meloidogyne incognita</i> . <i>Journal of Integrative Agriculture</i> , 2021, 20, 168-177.	1.7	2
85	The Genetics of Pandan-Like Fragrance, 2-Acetyl-1-Pyrroline, in Crops. <i>Agrivita</i> , 2019, 41, .	0.2	2
86	is associated with fragrance in sorghum ((L.) Moench) cultivar 'Ambemohor'. <i>Journal of Genetics</i> , 2021, 100, .	0.4	2
87	Genetic diversity and population structure of pencil yam (<i>Vigna lanceolata</i>) (Phaseoleae, Fabaceae), a wild herbaceous legume endemic to Australia, revealed by microsatellite markers. <i>Botany</i> , 2015, 93, 183-191.	0.5	1
88	Genetic analysis of seed resistance to <i>Callosobruchus chinensis</i> and <i>Callosobruchus maculatus</i> in cowpea. <i>Journal of Stored Products Research</i> , 2021, 92, 101783.	1.2	1
89	Positive Impact of Similarity on Twice Single Seed Descent of Purification on Bambara Groundnut (<i>Vigna subterranea</i> L. Verdcourt). <i>Agrivita</i> , 2018, 40, .	0.2	0