Kirstin E Bett

List of Publications by Year
in descending order

67 papers	2,367 citations	201674 27 h-index	243625 44 g-index
76 all docs	76 docs citations	76 times ranked	2205 citing authors

#	Article	IF	Citations
1	Genetic analysis of early phenology in lentil identifies distinct loci controlling component traits. Journal of Experimental Botany, 2022, 73, 3963-3977.	4.8	8
2	Understanding photothermal interactions will help expand production range and increase genetic diversity of lentil (<i>Lens culinaris</i> Medik.). Plants People Planet, 2021, 3, 171-181.	3.3	26
3	OUP accepted manuscript. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	3.0	1
4	QTL mapping of lentil anthracnose (Colletotrichum lentis) resistance from Lens ervoides accession IG 72815 in an interspecific RIL population. Euphytica, 2021, 217, 1.	1.2	21
5	Intelligent Characterization of Lentil Genetic Resources: Evolutionary History, Genetic Diversity of Germplasm, and the Need for Wellâ€Represented Collections. Current Protocols, 2021, 1, e134.	2.9	18
6	The tepary bean genome provides insight into evolution and domestication under heat stress. Nature Communications, 2021, 12, 2638.	12.8	43
7	Genetic and gene expression analysis of flowering time regulation by light quality in lentil. Annals of Botany, 2021, 128, 481-496.	2.9	12
8	Genetic diversity and GWAS of agronomic traits using an ICARDA lentil (<i>Lens culinaris</i> Medik.) Reference Plus collection. Plant Genetic Resources: Characterisation and Utilisation, 2021, 19, 279-288.	0.8	12
9	Strategic Identification of New Genetic Diversity to Expand Lentil (Lens culinaris Medik.) Production (Using Nepal as an Example). Agronomy, 2021, 11, 1933.	3.0	1
10	The INCREASE project: Intelligent Collections of foodâ€legume genetic resources for European agrofood systems. Plant Journal, 2021, 108, 646-660.	5.7	29
11	Identification of anthracnose race 1 resistance loci in lentil by integrating linkage mapping and genomeâ€wide association study. Plant Genome, 2021, 14, e20131.	2.8	8
12	Genetic basis for lentil adaptation to summer cropping in northern temperate environments. Plant Genome, 2021, 14, e20144.	2.8	6
13	A Semi-Automatic Workflow to Extract Irregularly Aligned Plots and Sub-Plots: A Case Study on Lentil Breeding Populations. Remote Sensing, 2021, 13, 4997.	4.0	0
14	Mobilizing Crop Biodiversity. Molecular Plant, 2020, 13, 1341-1344.	8.3	50
15	Postharvest seed coat darkening in pinto bean (<i>Phaseolus vulgaris</i>) is regulated by <i>P^{sd}</i>, an allele of the basic helixâ€loopâ€helix transcription factor <i>P</i>. Plants People Planet, 2020, 2, 663-677.	3.3	13
16	Genomic selection for lentil breeding: Empirical evidence. Plant Genome, 2020, 13, e20002.	2.8	32
17	The BELT and phenoSEED platforms: shape and colour phenotyping of seed samples. Plant Methods, 2020, 16, 49.	4.3	23
18	KnowPulse: A Web-Resource Focused on Diversity Data for Pulse Crop Improvement. Frontiers in Plant Science, 2019, 10, 965.	3.6	34

#	Article	IF	Citations
19	Generation and validation of genetic markers for the selection of carioca dry bean genotypes with the slow-darkening seed coat trait. Euphytica, 2019, 215, 1.	1.2	11
20	Tripal v3: an ontology-based toolkit for construction of FAIR biological community databases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	22
21	Reduced response diversity does not negatively impact wheat climate resilience. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10623-10624.	7.1	11
22	Automatic Detection and Segmentation of Lentil Crop Breeding Plots From Multi-Spectral Images Captured by UAV-Mounted Camera. , 2019, , .		13
23	Slow darkening of pinto bean seed coat is associated with significant metabolite and transcript differences related to proanthocyanidin biosynthesis. BMC Genomics, 2018, 19, 260.	2.8	16
24	Defense responses of lentil (Lens culinaris) genotypes carrying non-allelic ascochyta blight resistance genes to Ascochyta lentis infection. PLoS ONE, 2018, 13, e0204124.	2.5	25
25	Single Nucleotide Polymorphism Markers Associated with Seed Quality Characteristics of Cultivated Lentil. Plant Genome, 2018, 11, 170051.	2.8	45
26	Capturing variation in <i>Lens</i> (Fabaceae): Development and utility of an exome capture array for lentil. Applications in Plant Sciences, 2018, 6, e01165.	2.1	54
27	Genetic Mapping of Milling Quality Traits in Lentil (<i>Lens culinaris</i> Medik.). Plant Genome, 2018, 11, 170092.	2.8	20
28	White seed color in common bean (<i>Phaseolus vulgaris</i>) results from convergent evolution in the <i>P</i> (<i>pigment</i>) gene. New Phytologist, 2018, 219, 1112-1123.	7.3	77
29	A genome-wide identification and comparative analysis of the lentil MLO genes. PLoS ONE, 2018, 13, e0194945.	2.5	25
30	Interaction of quantitative trait loci for resistance to common bacterial blight and pathogen isolates in Phaseolus vulgaris L.. Molecular Breeding, 2017, 37, 1.	2.1	7
31	Successful Introgression of Abiotic Stress Tolerance from Wild Tepary Bean to Common Bean. Crop Science, 2017, 57, 1160-1171.	1.8	46
32	QTL mapping reveals genetic determinants of fungal disease resistance in the wild lentil species Lens ervoides. Scientific Reports, 2017, 7, 3231.	3.3	89
33	Flowering and Growth Responses of Cultivated Lentil and Wild Lens Germplasm toward the Differences in Red to Far-Red Ratio and Photosynthetically Active Radiation. Frontiers in Plant Science, 2017, 8, 386.	3.6	19
34	Markerâ€“Trait Association Analysis of Iron and Zinc Concentration in Lentil (<i>Lens culinaris</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	97
35	Genetic Diversity of Cultivated Lentil (Lens culinaris Medik.) and Its Relation to the World's Agro-ecological Zones. Frontiers in Plant Science, 2016, 7, 1093.	3.6	110
36	Gene-based SNP discovery in tepary bean (Phaseolus acutifolius) and common bean (P. vulgaris) for diversity analysis and comparative mapping. BMC Genomics, 2016, 17, 239.	2.8	38

#	Article	IF	Citations
37	Genetics and Biochemistry of Zero-Tannin Lentils. PLoS ONE, 2016, 11, e0164624.	2.5	35
38	Wild Help for Enhancing Genetic Resistance in Lentil Against Fungal Diseases. Current Issues in Molecular Biology, 2016, 19, 3-6.	2.4	0
39	Condensed Tannin Accumulation during Seed Coat Development in Five Common Bean Genotypes. Crop Science, 2015, 55, 2826-2832.	1.8	6
40	Genetic diversity of folate profiles in seeds of common bean, lentil, chickpea and pea. Journal of Food Composition and Analysis, 2015, 42, 134-140.	3.9	77
41	Allele diversity analysis to identify SNPs associated with ascochyta blight resistance in pea. Euphytica, 2015, 202, 189-197.	1.2	24
42	Classification and Characterization of Species within the Genus Lens Using Genotyping-by-Sequencing (GBS). PLoS ONE, 2015, 10, e0122025.	2.5	135
43	Gene-based SNP discovery and genetic mapping in pea. Theoretical and Applied Genetics, 2014, 127, 2225-2241.	3.6	74
44	Genetic mapping of legume orthologs reveals high conservation of synteny between lentil species and the sequenced genomes of Medicago and chickpea. Frontiers in Plant Science, 2014, 5, 676.	3.6	38
45	Population study of<i>Xanthomonas</i>spp. from bean growing regions of Canada and response of bean cultivars to pathogen inoculation. Canadian Journal of Plant Pathology, 2014, 36, 341-353.	1.4	6
46	Genome wide SNP identification in chickpea for use in development of a high density genetic map and improvement of chickpea reference genome assembly. BMC Genomics, 2014, 15, 708.	2.8	98
47	IMP-HRM: an automated pipeline for high throughput SNP marker resource development for molecular breeding in orphan crops. Euphytica, 2014, 200, 197-206.	1.2	2
48	Mineral Micronutrient Content of Cultivars of Field Pea, Chickpea, Common Bean, and Lentil Grown in Saskatchewan, Canada. Crop Science, 2014, 54, 1698-1708.	1.8	117
49	Genotypic abundance of carotenoids and polyphenolics in the hull of field pea (<i>Pisum sativum</i>) Tj ETQq1 1 0.784314 rgBT /Overl	3.5	23
50	Ancient orphan crop joins modern era: gene-based SNP discovery and mapping in lentil. BMC Genomics, 2013, 14, 192.	2.8	115
51	Gene expression profiles of seed coats and biochemical properties of seed coats and cotyledons of two field pea (Pisum sativum) cultivars contrasting in green cotyledon bleaching resistance. Euphytica, 2013, 193, 49-65.	1.2	6
52	Tripal v1.1: a standards-based toolkit for construction of online genetic and genomic databases. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat075.	3.0	52
53	Quantitative Trait Loci Analysis of Seed Quality Characteristics in Lentil using Single Nucleotide Polymorphism Markers. Plant Genome, 2013, 6, plantgenome2013.05.0012.	2.8	68
54	Characterization of seed coat post harvest darkening in common bean (Phaseolus vulgaris L.). Theoretical and Applied Genetics, 2011, 123, 1467-1472.	3.6	43

#	Article	IF	Citations
55	The Chado Natural Diversity module: a new generic database schema for large-scale phenotyping and genotyping data. Database: the Journal of Biological Databases and Curation, 2011, 2011, bar051-bar051.	3.0	30
56	Transcriptomic analysis of chilling stress in Phaseolus spp.. Environmental and Experimental Botany, 2010, 69, 95-104.	4.2	3
57	Differential Accumulation of Polyphenolics in Black Bean Genotypes Grown in Four Environments. Journal of Agricultural and Food Chemistry, 2010, 58, 7001-7006.	5.2	15
58	Polyphenol Oxidase Activity and Differential Accumulation of Polyphenolics in Seed Coats of Pinto Bean (Phaseolus vulgaris L.) Characterize Postharvest Color Changes. Journal of Agricultural and Food Chemistry, 2008, 56, 7049-7056.	5.2	33
59	Interference of Condensed Tannin in Lignin Analyses of Dry Bean and Forage Crops. Journal of Agricultural and Food Chemistry, 2008, 56, 9797-9802.	5.2	18
60	Slow Darkening in Pinto Bean (<i>Phaseolus vulgaris</i> L.) Seed Coats Is Controlled by a Single Major Gene. Crop Science, 2008, 48, 189-193.	1.8	38
61	An Accelerated Postharvest Seedâ€Coat Darkening Protocol for Pinto Beans Grown across Different Environments. Crop Science, 2007, 47, 694-700.	1.8	34
62	Selection for Lodging Resistance in Early Generations of Field Pea by Molecular Markers. Crop Science, 2006, 46, 321-329.	1.8	24
63	Rapid regeneration of Phaseolus angustissimus and P. vulgaris from very young zygotic embryos. Plant Cell, Tissue and Organ Culture, 2005, 83, 67-74.	2.3	9
64	Changes in Polyphenols of the Seed Coat during the After-Darkening Process in Pinto Beans (Phaseolus vulgarisL.). Journal of Agricultural and Food Chemistry, 2005, 53, 7777-7782.	5.2	82
65	Mapping and Genetic Characterization of Loci Controlling the Restoration of Male Fertility in Ogura CMS Radish. Molecular Breeding, 2004, 13, 125-133.	2.1	16
66	Genetic analysis and genome mapping in Raphanus. Genome, 2003, 46, 423-430.	2.0	37
67	RNA-Seq and Gene Ontology Analysis Reveal Differences Associated With Low R/FR-Induced Shade Responses in Cultivated Lentil and a Wild Relative. Frontiers in Genetics, 0, 13, .	2.3	0