

H-P Piepho

List of Publications by Year in descending order

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474
papers

18,070
citations

15466

65
h-index

29081

104
g-index

495
all docs

495
docs citations

495
times ranked

14440
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein use efficiency and stability of baking quality in winter wheat based on the relation of loaf volume and grain protein content. <i>Theoretical and Applied Genetics</i> , 2022, , 1.	1.8	5
2	Contrasting drivers of belowground nitrogen cycling in a montane grassland exposed to a multifactorial global change experiment with elevated CO ₂ , warming, and drought. <i>Global Change Biology</i> , 2022, 28, 2425-2441.	4.2	25
3	Prediction of and for new environments: what's your model?. <i>Molecular Plant</i> , 2022, , .	3.9	7
4	Leveraging probability concepts for cultivar recommendation in multi-environment trials. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1385-1399.	1.8	8
5	Two-dimensional P-spline smoothing for spatial analysis of plant breeding trials. <i>Biometrical Journal</i> , 2022, 64, 835-857.	0.6	8
6	Thyroid Hormone Concentrations in Testudo spp. by Season and Sex. <i>Journal of Herpetological Medicine and Surgery</i> , 2022, 32, .	0.2	0
7	Field investigation of topsoil moisture and temperature as drivers for decomposition or germination of sclerotia (<i>Sclerotinia sclerotiorum</i>) under winter-killed cover crops. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2022, 72, 527-537.	0.3	2
8	Average semivariance directly yields accurate estimates of the genomic variance in complex trait analyses. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	7
9	Single-parent expression complementation contributes to phenotypic heterosis in maize hybrids. <i>Plant Physiology</i> , 2022, , .	2.3	6
10	Phenomics data processing: extracting dose-response curve parameters from high-resolution temperature courses and repeated field-based wheat height measurements. <i>In Silico Plants</i> , 2022, 4, .	0.8	9
11	How to observe the principle of concurrent control in an arm-based meta-analysis using SAS procedures GLIMMIX and BGLIMM. <i>Research Synthesis Methods</i> , 2022, 13, 821-828.	4.2	1
12	Assessing the response to genomic selection by simulation. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2891-2905.	1.8	1
13	Linear mixed models and geostatistics for designed experiments in soil science: Two entirely different methods or two sides of the same coin?. <i>European Journal of Soil Science</i> , 2021, 72, 47-68.	1.8	11
14	Generating row-column field experimental designs with good neighbour balance and even distribution of treatment replications. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 745-753.	1.7	12
15	Missing association between nutrient concentrations in leaves and edible parts of food crops – A neglected food security issue. <i>Food Chemistry</i> , 2021, 345, 128723.	4.2	5
16	Genetic gain for rice yield in rainfed environments in India. <i>Field Crops Research</i> , 2021, 260, 107977.	2.3	37
17	Enviromics in breeding: applications and perspectives on envirotypic-assisted selection. <i>Theoretical and Applied Genetics</i> , 2021, 134, 95-112.	1.8	103
18	Optimizing the Allocation of Trials to Sub-regions in Multi-environment Crop Variety Testing. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2021, 26, 267-288.	0.7	3

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19	Early prediction of biomass in hybrid rye based on hyperspectral data surpasses genomic predictability in less-related breeding material. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1409-1422.	1.8	15
20	Breeding progress of disease resistance and impact of disease severity under natural infections in winter wheat variety trials. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1281-1302.	1.8	19
21	Methods of yield stability analysis in long-term field experiments. A review. <i>Agronomy for Sustainable Development</i> , 2021, 41, 1.	2.2	32
22	Projecting results of zoned multi-environment trials to new locations using environmental covariates with random coefficient models: accuracy and precision. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1513-1530.	1.8	17
23	Influence of Cooling and Heating Systems on Pen Fouling, Lying Behavior, and Performance of Rearing Piglets. <i>Agriculture (Switzerland)</i> , 2021, 11, 324.	1.4	4
24	Decline of seedling phosphorus use efficiency in the heterotic pool of flint maize breeding lines since the onset of hybrid breeding. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 857-872.	1.7	8
25	Importance of sources of variability, scales and experimental design: A case study about the effects of biochar and slurry application on soil properties in agricultural silty loam soils. <i>European Journal of Soil Science</i> , 2021, 72, 1954-1968.	1.8	0
26	Yield variability trends of winter wheat and spring barley grown during 1932–2019 in the Askov Long-term Experiment. <i>Field Crops Research</i> , 2021, 264, 108083.	2.3	13
27	Farmers'™ preferences for nature conservation compensation measures with a focus on eco-accounts according to the German Nature Conservation Act. <i>Land Use Policy</i> , 2021, 104, 105378.	2.5	9
28	Resolving the ambiguity of random-effects models with singular precision matrix. <i>Statistica Neerlandica</i> , 2021, 75, 482.	0.9	3
29	Regression models for order-of-addition experiments. <i>Biometrical Journal</i> , 2021, 63, 1673-1687.	0.6	1
30	High-throughput field phenotyping reveals genetic variation in photosynthetic traits in durum wheat under drought. <i>Plant, Cell and Environment</i> , 2021, 44, 2858-2878.	2.8	12
31	Assessing Spatial Variability of Barley Whole Crop Biomass Yield and Leaf Area Index in Silvoarable Agroforestry Systems Using UAV-Borne Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 2751.	1.8	17
32	Appropriate sampling methods and statistics can tell apart fraud from pesticide drift in organic farming. <i>Scientific Reports</i> , 2021, 11, 14776.	1.6	4
33	Mineral-Ecological Cropping Systems—A New Approach to Improve Ecosystem Services by Farming without Chemical Synthetic Plant Protection. <i>Agronomy</i> , 2021, 11, 1710.	1.3	25
34	Average semivariance yields accurate estimates of the fraction of marker-associated genetic variance and heritability in complex trait analyses. <i>PLoS Genetics</i> , 2021, 17, e1009762.	1.5	12
35	Crafting for a better MAGIC: systematic design and test for Multiparental Advanced Generation Inter-Cross population. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	1
36	Back Cover Image. <i>Plant, Cell and Environment</i> , 2021, 44, .	2.8	0

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37	Effect of missing values in multi-environmental trials on variance component estimates. <i>Crop Science</i> , 2021, 61, 4087-4097.	0.8	11
38	Genome-enabled prediction for sparse testing in multi-environmental wheat trials. <i>Plant Genome</i> , 2021, 14, e20151.	1.6	15
39	Genetic variation for tolerance to the downy mildew pathogen <i>Peronospora variabilis</i> in genetic resources of quinoa (<i>Chenopodium quinoa</i>). <i>BMC Plant Biology</i> , 2021, 21, 41.	1.6	26
40	Long-term breeding progress of yield, yield-related, and disease resistance traits in five cereal crops of German variety trials. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3805-3827.	1.8	14
41	Phenomics data processing: A plot-level model for repeated measurements to extract the timing of key stages and quantities at defined time points. <i>Field Crops Research</i> , 2021, 274, 108314.	2.3	18
42	Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. <i>Environmental Microbiology</i> , 2020, 22, 873-888.	1.8	27
43	Effects of converting a temperate short-rotation coppice to a silvo-arable alley cropping agroforestry system on soil quality indicators. <i>Agroforestry Systems</i> , 2020, 94, 389-400.	0.9	16
44	Choice of link and variance function for generalized linear mixed models: a case study with binomial response in proteomics. <i>Communications in Statistics - Theory and Methods</i> , 2020, 49, 4313-4332.	0.6	3
45	A Novel Model to Explain Extreme Feather Pecking Behavior in Laying Hens. <i>Behavior Genetics</i> , 2020, 50, 41-50.	1.4	19
46	Optimization of the extraction procedure for the determination of phenolic acids and flavonoids in the leaves of globe artichoke (<i>Cynara cardunculus</i> var. <i>scolymus</i> L.). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112879.	1.4	14
47	Stability Analysis of Tuber Yield and Starch Yield in Mid-Late and Late Maturing Starch Cultivars of Potato (<i>Solanum tuberosum</i>). <i>Potato Research</i> , 2020, 63, 179-197.	1.2	11
48	Growth responses of garden cress (<i>Lepidium sativum</i> L.) to biodynamic cow manure preparation in a bioassay. <i>Biological Agriculture and Horticulture</i> , 2020, 36, 16-34.	0.5	3
49	Impact of willow-based grassland alley cropping in relation to its plant species diversity on soil ecology of former arable land. <i>Applied Soil Ecology</i> , 2020, 147, 103373.	2.1	8
50	Analyzing designed experiments: Should we report standard deviations or standard errors of the mean or standard errors of the difference or what?. <i>Experimental Agriculture</i> , 2020, 56, 312-319.	0.4	5
51	Hyperspectral Reflectance Data and Agronomic Traits Can Predict Biomass Yield in Winter Rye Hybrids. <i>Bioenergy Research</i> , 2020, 13, 168-182.	2.2	10
52	Soil microbial community structure and function mainly respond to indirect effects in a multifactorial climate manipulation experiment. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107704.	4.2	45
53	Novel strategies for genomic prediction of untested single-cross maize hybrids using unbalanced historical data. <i>Theoretical and Applied Genetics</i> , 2020, 133, 443-455.	1.8	22
54	Microbial growth and carbon use efficiency show seasonal responses in a multifactorial climate change experiment. <i>Communications Biology</i> , 2020, 3, 584.	2.0	30

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55	Soil and farm management effects on yield and nutrient concentrations of food crops in East Africa. <i>Science of the Total Environment</i> , 2020, 716, 137078.	3.9	14
56	Contrasting effects of cover crops on earthworms: Results from field monitoring and laboratory experiments on growth, reproduction and food choice. <i>European Journal of Soil Biology</i> , 2020, 100, 103225.	1.4	13
57	Nonproportional Hazards in Network Meta-Analysis: Efficient Strategies for Model Building and Analysis. <i>Value in Health</i> , 2020, 23, 918-927.	0.1	12
58	Integration of genotypic, hyperspectral, and phenotypic data to improve biomass yield prediction in hybrid rye. <i>Theoretical and Applied Genetics</i> , 2020, 133, 3001-3015.	1.8	34
59	Linear Variance, P-splines and Neighbour Differences for Spatial Adjustment in Field Trials: How are they Related?. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 676-698.	0.7	9
60	Guest Editorsâ€™ Introduction to the Special Issue on â€œRecent Advances in Design and Analysis of Experiments and Observational Studies in Agricultureâ€• <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 453-456.	0.7	2
61	Influence of A Cooled, Solid Lying Area on the Pen Fouling and Lying Behavior of Fattening Pigs. <i>Agriculture (Switzerland)</i> , 2020, 10, 307.	1.4	10
62	Long-term analysis from a cropping system perspective: Yield stability, environmental adaptability, and production risk of winter barley. <i>European Journal of Agronomy</i> , 2020, 117, 126056.	1.9	26
63	Augmented quasi-sudoku designs in field trials. <i>Computational Statistics and Data Analysis</i> , 2020, 150, 106988.	0.7	4
64	Determination of litter derived C and N in litterbags and soil using stable isotopes prevents overestimation of litter decomposition in alley cropping systems. <i>Pedobiologia</i> , 2020, 81-82, 150651.	0.5	4
65	The effects of cropping sequence, fertilization and straw management on the yield stability of winter wheat (1986â€“2017) in the Broadbalk Wheat Experiment, Rothamsted, UK. <i>Journal of Agricultural Science</i> , 2020, 158, 65-79.	0.6	17
66	Mapping Stem Rust (<i>Puccinia graminis</i> f. sp. <i>secalis</i>) Resistance in Self-Fertile Winter Rye Populations. <i>Frontiers in Plant Science</i> , 2020, 11, 667.	1.7	8
67	Long-term historical and projected herbivore population dynamics in Ngorongoro crater, Tanzania. <i>PLoS ONE</i> , 2020, 15, e0212530.	1.1	6
68	Aggregate formation and organo-mineral association affect characteristics of soil organic matter across soil horizons and parent materials in temperate broadleaf forest. <i>Biogeochemistry</i> , 2020, 148, 169-189.	1.7	6
69	Decoupling of impact factors reveals the response of German winter wheat yields to climatic changes. <i>Global Change Biology</i> , 2020, 26, 3601-3626.	4.2	35
70	Influence of Increased Light Intensity on the Acceptance of a Solid Lying Area and a Slatted Elimination Area in Fattening Pigs. <i>Agriculture (Switzerland)</i> , 2020, 10, 56.	1.4	10
71	Generating experimental designs for estimation of genetically related treatment effects using SAS. <i>Agronomy Journal</i> , 2020, 112, 3929-3940.	0.9	3
72	Influence of Anaerobic Digestion Processes on the Germination of Weed Seeds. <i>Gesunde Pflanzen</i> , 2020, 72, 181-194.	1.7	9

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73	Robust estimation of heritability and predictive accuracy in plant breeding: evaluation using simulation and empirical data. <i>BMC Genomics</i> , 2020, 21, 43.	1.2	6
74	Cross-validation of stagewise mixed-model analysis of Swedish variety trials with winter wheat and spring barley. <i>Crop Science</i> , 2020, 60, 2221-2240.	0.8	15
75	DRIFTS band areas as measured pool size proxy to reduce parameter uncertainty in soil organic matter models. <i>Biogeosciences</i> , 2020, 17, 1393-1413.	1.3	13
76	Mechanism of methane uptake in profiles of tropical soils converted from forest to rubber plantations. <i>Soil Biology and Biochemistry</i> , 2020, 145, 107796.	4.2	17
77	Heritability and Variability of Quality Parameters of Tomatoes in Outdoor Production. <i>Research</i> , 2020, 2020, 6707529.	2.8	13
78	Long-term field experiments in Germany: classification and spatial representation. <i>Soil</i> , 2020, 6, 579-596.	2.2	10
79	Does no-tillage decrease nitrate leaching compared to ploughing under a long-term crop rotation in Switzerland?. <i>Soil and Tillage Research</i> , 2020, 199, 104590.	2.6	18
80	Interactions between abiotic factors and the bioactivity of biodynamic horn manure on the growth of garden cress (<i>Lepidium sativum</i> L.) in a bioassay. <i>Chemical and Biological Technologies in Agriculture</i> , 2020, 7, .	1.9	0
81	DESIGNED EXPERIMENTS: DO YOU KNOW WHAT POPULATION YOU ARE SAMPLING FROM?. <i>Experimental Agriculture</i> , 2019, 55, 621-636.	0.4	3
82	Converting forests into rubber plantations weakened the soil CH ₄ sink in tropical uplands. <i>Land Degradation and Development</i> , 2019, 30, 2311-2322.	1.8	12
83	Heritability in Plant Breeding on a Genotype-Difference Basis. <i>Genetics</i> , 2019, 212, 991-1008.	1.2	94
84	Efficiency of Genomic Prediction of Nonassessed Testcrosses. <i>Crop Science</i> , 2019, 59, 2020-2027.	0.8	8
85	Error variance bias in neighbour balance and evenness of distribution designs. <i>Australian and New Zealand Journal of Statistics</i> , 2019, 61, 466-473.	0.4	6
86	Comparison of Weighted and Unweighted Stage-Wise Analysis for Genome-Wide Association Studies and Genomic Selection. <i>Crop Science</i> , 2019, 59, 2572-2584.	0.8	9
87	Trace gas fluxes from managed grassland soil subject to multifactorial climate change manipulation. <i>Applied Soil Ecology</i> , 2019, 137, 1-11.	2.1	14
88	Consequences of PCA graphs, SNP codings, and PCA variants for elucidating population structure. <i>PLoS ONE</i> , 2019, 14, e0218306.	1.1	26
89	Recent claim of declining climate resilience in European wheat is not supported by the statistics used. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10625-10626.	3.3	9
90	Does fertilization impact production risk and yield stability across an entire crop rotation? Insights from a long-term experiment. <i>Field Crops Research</i> , 2019, 238, 82-92.	2.3	17

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91	Transcriptomic reprogramming of barley seminal roots by combined water deficit and salt stress. <i>BMC Genomics</i> , 2019, 20, 325.	1.2	42
92	Hypothesis Tests for Principal Component Analysis When Variables are Standardized. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2019, 24, 289-308.	0.7	31
93	Estimating Broadâ€Sense Heritability with Unbalanced Data from Agricultural Cultivar Trials. <i>Crop Science</i> , 2019, 59, 525-536.	0.8	56
94	A coefficient of determination (R^2) for generalized linear mixed models. <i>Biometrical Journal</i> , 2019, 61, 860-872.	0.6	77
95	Early diagnosis of ploidy status in doubled haploid production of maize by stomata length and flow cytometry measurements. <i>Plant Breeding</i> , 2019, 138, 266-276.	1.0	13
96	Testing multiplicative terms in AMMI and GGE models for multienvironment trials with replicates. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2087-2096.	1.8	11
97	Modelling Spatio-Temporal Variation in Sparse Rainfall Data Using a Hierarchical Bayesian Regression Model. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2019, 24, 369-393.	0.7	9
98	A Crossâ€Validation of Statistical Models for Zonedâ€Based Prediction in Cultivar Testing. <i>Crop Science</i> , 2019, 59, 1544-1553.	0.8	11
99	Best Prediction of the Additive Genomic Variance in Random-Effects Models. <i>Genetics</i> , 2019, 213, 379-394.	1.2	8
100	Blocking and re-arrangement of pots in greenhouse experiments: which approach is more effective?. <i>Plant Methods</i> , 2019, 15, 143.	1.9	9
101	Do we need more drought for better nutrition? The effect of precipitation on nutrient concentration in East African food crops. <i>Science of the Total Environment</i> , 2019, 658, 405-415.	3.9	33
102	Analysing censored data in agricultural research: A review with examples and software tips. <i>Annals of Applied Biology</i> , 2019, 174, 3-13.	1.3	19
103	Mineral NPK and manure fertilisation affecting the yield stability of winter wheat: Results from a long-term field experiment. <i>European Journal of Agronomy</i> , 2019, 102, 14-22.	1.9	57
104	Similar spatial patterns of soil quality indicators in three poplar-based silvo-arable alley cropping systems in Germany. <i>Biology and Fertility of Soils</i> , 2019, 55, 1-14.	2.3	41
105	Simultaneous improvement of grain yield and protein content in durum wheat by different phenotypic indices and genomic selection. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1315-1329.	1.8	87
106	Allowing for the structure of a designed experiment when estimating and testing trait correlations. <i>Journal of Agricultural Science</i> , 2018, 156, 59-70.	0.6	24
107	Estimating the variance for heterogeneity in armâ€based network metaâ€analysis. <i>Pharmaceutical Statistics</i> , 2018, 17, 264-277.	0.7	14
108	Weighted Estimation of AMMI and GGE Models. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2018, 23, 255-275.	0.7	8

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109	A tutorial on the statistical analysis of factorial experiments with qualitative and quantitative treatment factor levels. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 429-455.	1.7	59
110	Single-Parent Expression Is a General Mechanism Driving Extensive Complementation of Non-syntenic Genes in Maize Hybrids. <i>Current Biology</i> , 2018, 28, 431-437.e4.	1.8	50
111	Higher grain yield and higher grain protein deviation underline the potential of hybrid wheat for a sustainable agriculture. <i>Plant Breeding</i> , 2018, 137, 326-337.	1.0	46
112	What's normal anyway? Residual plots are more telling than significance tests when checking <sc>ANOVA</sc> assumptions. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 86-98.	1.7	227
113	An Evaluation of Error Variance Bias in Spatial Designs. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2018, 23, 83-91.	0.7	6
114	Factors controlling the variability of organic matter in the top- and subsoil of a sandy Dystric Cambisol under beech forest. <i>Geoderma</i> , 2018, 311, 37-44.	2.3	55
115	Efficiency of genomic prediction of non-assessed single crosses. <i>Heredity</i> , 2018, 120, 283-295.	1.2	17
116	Effects of biochar and slurry application as well as drying and rewetting on soil macroaggregate formation in agricultural silty loam soils. <i>Soil Use and Management</i> , 2018, 34, 575-583.	2.6	7
117	Phenotypic Selection in Ornamental Breeding: It's Better to Have the BLUPs Than to Have the BLUEs. <i>Frontiers in Plant Science</i> , 2018, 9, 1511.	1.7	17
118	Neighbor balance and evenness of distribution of treatment replications in row-column designs. <i>Biometrical Journal</i> , 2018, 60, 1172-1189.	0.6	19
119	Rainfall trends and variation in the Maasai Mara ecosystem and their implications for animal population and biodiversity dynamics. <i>PLoS ONE</i> , 2018, 13, e0202814.	1.1	61
120	Sowing Date in Egypt Affects Chia Seed Yield and Quality. <i>Agronomy Journal</i> , 2018, 110, 2310-2321.	0.9	6
121	Effects of chemical and physical grassland renovation on the temporal dynamics of organic carbon stocks and water-stable aggregate distribution in a sandy temperate grassland soil. <i>Soil Use and Management</i> , 2018, 34, 490-499.	2.6	2
122	Expected variance between seed germination test replicate results. <i>Seed Science and Technology</i> , 2018, 46, 197-209.	0.6	2
123	Genetic and phenotypic correlation for breeding relevant traits in <i>Dianthus caryophyllus</i> L.. <i>Postharvest Biology and Technology</i> , 2018, 143, 129-136.	2.9	6
124	Nonparametric Resampling Methods for Testing Multiplicative Terms in AMMI and GGE Models for Multienvironment Trials. <i>Crop Science</i> , 2018, 58, 752-761.	0.8	6
125	Predicting loaf volume for winter wheat by linear regression models based on protein concentration and sedimentation value using samples from VCU trials and mills. <i>Journal of Cereal Science</i> , 2018, 84, 132-141.	1.8	10
126	Letters in Mean Comparisons: What They Do and Don't Mean. <i>Agronomy Journal</i> , 2018, 110, 431-434.	0.9	45

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127	Biplots: Do Not Stretch Them!. <i>Crop Science</i> , 2018, 58, 1061-1069.	0.8	12
128	Chapter 6: Linear Regression Techniques. ACSESS Publications, 2018, , .	0.2	1
129	Ecosystem recovery indicators as decision criteria on potential reduction of fallow periods in swidden systems of Northern Thailand. <i>Ecological Indicators</i> , 2018, 95, 554-567.	2.6	5
130	Contribution to the discussion of "When should meta-analysis avoid making hidden normality assumptions?" Using general-purpose GLMM software for meta-analysis. <i>Biometrical Journal</i> , 2018, 60, 1059-1061.	0.6	0
131	More, Larger, Simpler: How Comparable Are On-Farm and On-Station Trials for Cultivar Evaluation?. <i>Crop Science</i> , 2018, 58, 1508-1518.	0.8	14
132	Modeling Spatially Correlated and Heteroscedastic Errors in Ethiopian Maize Trials. <i>Crop Science</i> , 2018, 58, 1575-1586.	0.8	8
133	Effects of fine root characteristics of beech on carbon turnover in the topsoil and subsoil of a sandy <scp>C</scp>ambisol. <i>European Journal of Soil Science</i> , 2017, 68, 177-188.	1.8	3
134	Comparative transcriptome analysis of vase life and carnation type in <i>Dianthus caryophyllus</i> L.. <i>Scientia Horticulturae</i> , 2017, 217, 61-72.	1.7	16
135	Selection for production-related traits in <i>Pelargonium zonale</i> : improved design and analysis make all the difference. <i>Horticulture Research</i> , 2017, 4, 17004.	2.9	13
136	Influence of elevated soil temperature and biochar application on organic matter associated with aggregate-size and density fractions in an arable soil. <i>Agriculture, Ecosystems and Environment</i> , 2017, 241, 79-87.	2.5	45
137	Efficient statistical design in two-phase experiments on vase life in carnations (<i>Dianthus</i>) Tj ETQq1 1 0.784314 rgBJ /Overlock 10 Tf 50	2.9	16
138	The presence of extreme feather peckers in groups of laying hens. <i>Animal</i> , 2017, 11, 500-506.	1.3	11
139	Production objectives, trait and breed preferences of farmers keeping Nã™Dama, Fulani Zebu and crossbred cattle and implications for breeding programs. <i>Animal</i> , 2017, 11, 687-695.	1.3	28
140	One Step at a Time: Stage-Wise Analysis of a Series of Experiments. <i>Agronomy Journal</i> , 2017, 109, 845-857.	0.9	71
141	Breeding progress, variation, and correlation of grain and quality traits in winter rye hybrid and population varieties and national on-farm progress in Germany over 26 years. <i>Theoretical and Applied Genetics</i> , 2017, 130, 981-998.	1.8	71
142	Genomic prediction in early selection stages using multi-year data in a hybrid rye breeding program. <i>BMC Genetics</i> , 2017, 18, 51.	2.7	31
143	Comparing the effectiveness profile of pharmacological interventions used for orthodontic pain relief: an arm-based multilevel network meta-analysis of longitudinal data. <i>European Journal of Orthodontics</i> , 2017, 39, 601-614.	1.1	9
144	Predicting biphasic responses in binary mixtures: Pelargonic acid versus glyphosate. <i>Chemosphere</i> , 2017, 178, 88-98.	4.2	33

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145	Cross-validation in AMMI and GGE Models: A Comparison of Methods. <i>Crop Science</i> , 2017, 57, 264-274.	0.8	12
146	Stability of Single-Parent Gene Expression Complementation in Maize Hybrids upon Water Deficit Stress. <i>Plant Physiology</i> , 2017, 173, 1247-1257.	2.3	36
147	A robust DF-REML framework for variance components estimation in genetic studies. <i>Bioinformatics</i> , 2017, 33, 3584-3594.	1.8	11
148	Designing an experiment with quantitative treatment factors to study the effects of climate change. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 584-592.	1.7	17
149	Breeding progress, genotypic and environmental variation and correlation of quality traits in malting barley in German official variety trials between 1983 and 2015. <i>Theoretical and Applied Genetics</i> , 2017, 130, 2411-2429.	1.8	35
150	Breeding progress, environmental variation and correlation of winter wheat yield and quality traits in German official variety trials and on-farm during 1983-2014. <i>Theoretical and Applied Genetics</i> , 2017, 130, 223-245.	1.8	133
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467	Missing observations in the analysis of stability. <i>Heredity</i> , 1994, 72, 141-145.	1.2	11
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469	A Comparison of the Ecovalence and the Variance of Relative Yield as Measures of Stability. Journal of Agronomy and Crop Science, 1994, 173, 1-4.	1.7	9
470	Relationships between genotype x environment interactions and rank orders for a set of genotypes tested in different environments. Theoretical and Applied Genetics, 1993, 86, 943-950.	1.8	13
471	Note on bias in estimates of the regression coefficient in the analysis of genotype-environmental interaction. Heredity, 1993, 70, 98-100.	1.2	3
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