# H-P Piepho

## List of Publications by Year in descending order



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|---|---|---|---|
| 474 papers | 18,070 citations | 15504 65 h-index | 29157 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. Theoretical and Applied Genetics, 2022, , 1. | 3.6 | 5 |
| 2 | Contrasting drivers of belowground nitrogen cycling in a montane grassland exposed to a multifactorial global change experiment with elevated CO<sub>2</sub>, warming, and drought. Global Change Biology, 2022, 28, 2425-2441. | 9.5 | 25 |
| 3 | Prediction of and for new environments: what's your model?. Molecular Plant, 2022, , . | 8.3 | 7 |
| 4 | Leveraging probability concepts for cultivar recommendation in multi-environment trials. Theoretical and Applied Genetics, 2022, 135, 1385-1399. | 3.6 | 8 |
| 5 | Twoâ€dimensional Pâ€spline smoothing for spatial analysis of plant breeding trials. Biometrical Journal, 2022, 64, 835-857. | 1.0 | 8 |
| 6 | Thyroid Hormone Concentrations in Testudo spp. by Season and Sex. Journal of Herpetological Medicine and Surgery, 2022, 32, . | 0.4 | 0 |
| 7 | Field investigation of topsoil moisture and temperature as drivers for decomposition or germination of sclerotia ( Sclerotinia sclerotiorum ) under winter-killed cover crops. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2022, 72, 527-537. | 0.6 | 2 |
| 8 | Average semivariance directly yields accurate estimates of the genomic variance in complex trait analyses. G3: Genes, Genomes, Genetics, 2022, 12, . | 1.8 | 7 |
| 9 | Single-parent expression complementation contributes to phenotypic heterosis in maize hybrids. Plant Physiology, 2022, , . | 4.8 | 6 |
| 10 | Phenomics data processing: extracting doseâ€“response curve parameters from high-resolution temperature courses and repeated field-based wheat height measurements. In Silico Plants, 2022, 4, . | 1.9 | 9 |
| 11 | How to observe the principle of concurrent control in an armâ€based metaâ€analysis using <scp>SAS</scp> procedures <scp>GLIMMIX</scp> and <scp>BGLIMM</scp>. Research Synthesis Methods, 2022, 13, 821-828. | 8.7 | 1 |
| 12 | Assessing the response to genomic selection by simulation. Theoretical and Applied Genetics, 2022, 135, 2891-2905. | 3.6 | 1 |
| 13 | Linear mixed models and geostatistics for designed experiments in soil science: Two entirely different methods or two sides of the same coin?. European Journal of Soil Science, 2021, 72, 47-68. | 3.9 | 11 |
| 14 | Generating rowâ€column field experimental designs with good neighbour balance and even distribution of treatment replications. Journal of Agronomy and Crop Science, 2021, 207, 745-753. | 3.5 | 12 |
| 15 | Missing association between nutrient concentrations in leaves and edible parts of food crops â€“ A neglected food security issue. Food Chemistry, 2021, 345, 128723. | 8.2 | 5 |
| 16 | Genetic gain for rice yield in rainfed environments in India. Field Crops Research, 2021, 260, 107977. | 5.1 | 37 |
| 17 | Enviromics in breeding: applications and perspectives on envirotypic-assisted selection. Theoretical and Applied Genetics, 2021, 134, 95-112. | 3.6 | 103 |
| 18 | Optimizing the Allocation of Trials to Sub-regions in Multi-environment Crop Variety Testing. Journal of Agricultural, Biological, and Environmental Statistics, 2021, 26, 267-288. | 1.4 | 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. Theoretical and Applied Genetics, 2021, 134, 1409-1422. | 3.6 | 15 |
| 20 | Breeding progress of disease resistance and impact of disease severity under natural infections in winter wheat variety trials. Theoretical and Applied Genetics, 2021, 134, 1281-1302. | 3.6 | 19 |
| 21 | Methods of yield stability analysis in long-term field experiments. A review. Agronomy for Sustainable Development, 2021, 41, 1. | 5.3 | 32 |
| 22 | Projecting results of zoned multi-environment trials to new locations using environmental covariates with random coefficient models: accuracy and precision. Theoretical and Applied Genetics, 2021, 134, 1513-1530. | 3.6 | 17 |
| 23 | Influence of Cooling and Heating Systems on Pen Fouling, Lying Behavior, and Performance of Rearing Piglets. Agriculture (Switzerland), 2021, 11, 324. | 3.1 | 4 |
| 24 | Decline of seedling phosphorus use efficiency in the heterotic pool of flint maize breeding lines since the onset of hybrid breeding. Journal of Agronomy and Crop Science, 2021, 207, 857-872. | 3.5 | 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. European Journal of Soil Science, 2021, 72, 1954-1968. | 3.9 | 0 |
| 26 | Yield variability trends of winter wheat and spring barley grown during 1932â€“2019 in the Askov Long-term Experiment. Field Crops Research, 2021, 264, 108083. | 5.1 | 13 |
| 27 | Farmersâ€™ preferences for nature conservation compensation measures with a focus on eco-accounts according to the German Nature Conservation Act. Land Use Policy, 2021, 104, 105378. | 5.6 | 9 |
| 28 | Resolving the ambiguity of randomâ€effects models with singular precision matrix. Statistica Neerlandica, 2021, 75, 482. | 1.6 | 3 |
| 29 | Regression models for orderâ€ofâ€addition experiments. Biometrical Journal, 2021, 63, 1673-1687. | 1.0 | 1 |
| 30 | Highâ€throughput field phenotyping reveals genetic variation in photosynthetic traits in durum wheat under drought. Plant, Cell and Environment, 2021, 44, 2858-2878. | 5.7 | 12 |
| 31 | Assessing Spatial Variability of Barley Whole Crop Biomass Yield and Leaf Area Index in Silvoarable Agroforestry Systems Using UAV-Borne Remote Sensing. Remote Sensing, 2021, 13, 2751. | 4.0 | 17 |
| 32 | Appropriate sampling methods and statistics can tell apart fraud from pesticide drift in organic farming. Scientific Reports, 2021, 11, 14776. | 3.3 | 4 |
| 33 | Mineral-Ecological Cropping Systemsâ€”A New Approach to Improve Ecosystem Services by Farming without Chemical Synthetic Plant Protection. Agronomy, 2021, 11, 1710. | 3.0 | 25 |
| 34 | Average semivariance yields accurate estimates of the fraction of marker-associated genetic variance and heritability in complex trait analyses. PLoS Genetics, 2021, 17, e1009762. | 3.5 | 12 |
| 35 | Crafting for a better MAGIC: systematic design and test for Multiparental Advanced Generation Inter-Cross population. G3: Genes, Genomes, Genetics, 2021, 11, . | 1.8 | 1 |
| 36 | Back Cover Image. Plant, Cell and Environment, 2021, 44, . | 5.7 | 0 |

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| 37 | Effect of missing values in multiâ€environmental trials on variance component estimates. Crop Science, 2021, 61, 4087-4097. | 1.8 | 11 |
| 38 | Genomeâ€enabled prediction for sparse testing in multiâ€environmental wheat trials. Plant Genome, 2021, 14, e20151. | 2.8 | 15 |
| 39 | Genetic variation for tolerance to the downy mildew pathogen Peronospora variabilis in genetic resources of quinoa (Chenopodium quinoa). BMC Plant Biology, 2021, 21, 41. | 3.6 | 26 |
| 40 | Long-term breeding progress of yield, yield-related, and disease resistance traits in five cereal crops of German variety trials. Theoretical and Applied Genetics, 2021, 134, 3805-3827. | 3.6 | 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. Field Crops Research, 2021, 274, 108314. | 5.1 | 18 |
| 42 | Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. Environmental Microbiology, 2020, 22, 873-888. | 3.8 | 27 |
| 43 | Effects of converting a temperate short-rotation coppice to a silvo-arable alley cropping agroforestry system on soil quality indicators. Agroforestry Systems, 2020, 94, 389-400. | 2.0 | 16 |
| 44 | Choice of link and variance function for generalized linear mixed models: a case study with binomial response in proteomics. Communications in Statistics - Theory and Methods, 2020, 49, 4313-4332. | 1.0 | 3 |
| 45 | A Novel Model to Explain Extreme Feather Pecking Behavior in Laying Hens. Behavior Genetics, 2020, 50, 41-50. | 2.1 | 19 |
| 46 | Optimization of the extraction procedure for the determination of phenolic acids and flavonoids in the leaves of globe artichoke (Cynara cardunculus var. scolymus L.). Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112879. | 2.8 | 14 |
| 47 | Stability Analysis of Tuber Yield and Starch Yield in Mid-Late and Late Maturing Starch Cultivars of Potato (Solanum tuberosum). Potato Research, 2020, 63, 179-197. | 2.7 | 11 |
| 48 | Growth responses of garden cress (Lepidium sativum L.) to biodynamic cow manure preparation in a bioassay. Biological Agriculture and Horticulture, 2020, 36, 16-34. | 1.0 | 3 |
| 49 | Impact of willow-based grassland alley cropping in relation to its plant species diversity on soil ecology of former arable land. Applied Soil Ecology, 2020, 147, 103373. | 4.3 | 8 |
| 50 | Analyzing designed experiments: Should we report standard deviations or standard errors of the mean or standard errors of the difference or what?. Experimental Agriculture, 2020, 56, 312-319. | 0.9 | 5 |
| 51 | Hyperspectral Reflectance Data and Agronomic Traits Can Predict Biomass Yield in Winter Rye Hybrids. Bioenergy Research, 2020, 13, 168-182. | 3.9 | 10 |
| 52 | Soil microbial community structure and function mainly respond to indirect effects in a multifactorial climate manipulation experiment. Soil Biology and Biochemistry, 2020, 142, 107704. | 8.8 | 45 |
| 53 | Novel strategies for genomic prediction of untested single-cross maize hybrids using unbalanced historical data. Theoretical and Applied Genetics, 2020, 133, 443-455. | 3.6 | 22 |
| 54 | Microbial growth and carbon use efficiency show seasonal responses in a multifactorial climate change experiment. Communications Biology, 2020, 3, 584. | 4.4 | 30 |

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| 55 | Soil and farm management effects on yield and nutrient concentrations of food crops in East Africa. Science of the Total Environment, 2020, 716, 137078. | 8.0 | 14 |
| 56 | Contrasting effects of cover crops on earthworms: Results from field monitoring and laboratory experiments on growth, reproduction and food choice. European Journal of Soil Biology, 2020, 100, 103225. | 3.2 | 13 |
| 57 | Nonproportional Hazards in Network Meta-Analysis: Efficient Strategies for Model Building and Analysis. Value in Health, 2020, 23, 918-927. | 0.3 | 12 |
| 58 | Integration of genotypic, hyperspectral, and phenotypic data to improve biomass yield prediction in hybrid rye. Theoretical and Applied Genetics, 2020, 133, 3001-3015. | 3.6 | 34 |
| 59 | Linear Variance, P-splines and Neighbour Differences for Spatial Adjustment in Field Trials: How are they Related?. Journal of Agricultural, Biological, and Environmental Statistics, 2020, 25, 676-698. | 1.4 | 9 |
| 60 | Guest Editorsâ€™ Introduction to the Special Issue on â€œRecent Advances in Design and Analysis of Experiments and Observational Studies in Agricultureâ€• Journal of Agricultural, Biological, and Environmental Statistics, 2020, 25, 453-456. | 1.4 | 2 |
| 61 | Influence of A Cooled, Solid Lying Area on the Pen Fouling and Lying Behavior of Fattening Pigs. Agriculture (Switzerland), 2020, 10, 307. | 3.1 | 10 |
| 62 | Long-term analysis from a cropping system perspective: Yield stability, environmental adaptability, and production risk of winter barley. European Journal of Agronomy, 2020, 117, 126056. | 4.1 | 26 |
| 63 | Augmented quasi-sudoku designs in field trials. Computational Statistics and Data Analysis, 2020, 150, 106988. | 1.2 | 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. Pedobiologia, 2020, 81-82, 150651. | 1.2 | 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. Journal of Agricultural Science, 2020, 158, 65-79. | 1.3 | 17 |
| 66 | Mapping Stem Rust (Puccinia graminis f. sp. secalis) Resistance in Self-Fertile Winter Rye Populations. Frontiers in Plant Science, 2020, 11, 667. | 3.6 | 8 |
| 67 | Long-term historical and projected herbivore population dynamics in Ngorongoro crater, Tanzania. PLoS ONE, 2020, 15, e0212530. | 2.5 | 6 |
| 68 | Aggregate formation and organo-mineral association affect characteristics of soil organic matter across soil horizons and parent materials in temperate broadleaf forest. Biogeochemistry, 2020, 148, 169-189. | 3.5 | 6 |
| 69 | Decoupling of impact factors reveals the response of German winter wheat yields to climatic changes. Global Change Biology, 2020, 26, 3601-3626. | 9.5 | 35 |
| 70 | Influence of Increased Light Intensity on the Acceptance of a Solid Lying Area and a Slatted Elimination Area in Fattening Pigs. Agriculture (Switzerland), 2020, 10, 56. | 3.1 | 10 |
| 71 | Generating experimental designs for estimation of genetically related treatment effects using SAS. Agronomy Journal, 2020, 112, 3929-3940. | 1.8 | 3 |
| 72 | Influence of Anaerobic Digestion Processes on the Germination of Weed Seeds. Gesunde Pflanzen, 2020, 72, 181-194. | 3.0 | 9 |

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| 73 | Robust estimation of heritability and predictive accuracy in plant breeding: evaluation using simulation and empirical data. BMC Genomics, 2020, 21, 43. | 2.8 | 6 |
| 74 | Crossâ€validation of stagewise mixedâ€model analysis of Swedish variety trials with winter wheat and spring barley. Crop Science, 2020, 60, 2221-2240. | 1.8 | 15 |
| 75 | DRIFTS band areas as measured pool size proxy to reduce parameter uncertainty in soil organic matter models. Biogeosciences, 2020, 17, 1393-1413. | 3.3 | 13 |
| 76 | Mechanism of methane uptake in profiles of tropical soils converted from forest to rubber plantations. Soil Biology and Biochemistry, 2020, 145, 107796. | 8.8 | 17 |
| 77 | Heritability and Variability of Quality Parameters of Tomatoes in Outdoor Production. Research, 2020, 2020, 6707529. | 5.7 | 13 |
| 78 | Long-term field experiments in Germany: classification and spatial representation. Soil, 2020, 6, 579-596. | 4.9 | 10 |
| 79 | Does no-tillage decrease nitrate leaching compared to ploughing under a long-term crop rotation in Switzerland?. Soil and Tillage Research, 2020, 199, 104590. | 5.6 | 18 |
| 80 | Interactions between abiotic factors and the bioactivity of biodynamic horn manure on the growth of garden cress (Lepidium sativum L.) in a bioassay. Chemical and Biological Technologies in Agriculture, 2020, 7, . | 4.6 | 0 |
| 81 | DESIGNED EXPERIMENTS: DO YOU KNOW WHAT POPULATION YOU ARE SAMPLING FROM?. Experimental Agriculture, 2019, 55, 621-636. | 0.9 | 3 |
| 82 | Converting forests into rubber plantations weakened the soil CH<sub>4</sub> sink in tropical uplands. Land Degradation and Development, 2019, 30, 2311-2322. | 3.9 | 12 |
| 83 | Heritability in Plant Breeding on a Genotype-Difference Basis. Genetics, 2019, 212, 991-1008. | 2.9 | 94 |
| 84 | Efficiency of Genomic Prediction of Nonassessed Testcrosses. Crop Science, 2019, 59, 2020-2027. | 1.8 | 8 |
| 85 | Error variance bias in neighbour balance and evenness of distribution designs. Australian and New Zealand Journal of Statistics, 2019, 61, 466-473. | 0.9 | 6 |
| 86 | Comparison of Weighted and Unweighted Stageâ€Wise Analysis for Genomeâ€Wide Association Studies and Genomic Selection. Crop Science, 2019, 59, 2572-2584. | 1.8 | 9 |
| 87 | Trace gas fluxes from managed grassland soil subject to multifactorial climate change manipulation. Applied Soil Ecology, 2019, 137, 1-11. | 4.3 | 14 |
| 88 | Consequences of PCA graphs, SNP codings, and PCA variants for elucidating population structure. PLoS ONE, 2019, 14, e0218306. | 2.5 | 26 |
| 89 | Recent claim of declining climate resilience in European wheat is not supported by the statistics used. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10625-10626. | 7.1 | 9 |
| 90 | Does fertilization impact production risk and yield stability across an entire crop rotation? Insights from a long-term experiment. Field Crops Research, 2019, 238, 82-92. | 5.1 | 17 |

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| 91 | Transcriptomic reprogramming of barley seminal roots by combined water deficit and salt stress. BMC Genomics, 2019, 20, 325. | 2.8 | 42 |
| 92 | Hypothesis Tests for Principal Component Analysis When Variables are Standardized. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 289-308. | 1.4 | 31 |
| 93 | Estimating Broadâ€Sense Heritability with Unbalanced Data from Agricultural Cultivar Trials. Crop Science, 2019, 59, 525-536. | 1.8 | 56 |
| 94 | A coefficient of determination (R<sup>2</sup>) for generalized linear mixed models. Biometrical Journal, 2019, 61, 860-872. | 1.0 | 77 |
| 95 | Early diagnosis of ploidy status in doubled haploid production of maize by stomata length and flow cytometry measurements. Plant Breeding, 2019, 138, 266-276. | 1.9 | 13 |
| 96 | Testing multiplicative terms in AMMI and GGE models for multienvironment trials with replicates. Theoretical and Applied Genetics, 2019, 132, 2087-2096. | 3.6 | 11 |
| 97 | Modelling Spatio-Temporal Variation in Sparse Rainfall Data Using a Hierarchical Bayesian Regression Model. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 369-393. | 1.4 | 9 |
| 98 | A Crossâ€Validation of Statistical Models for Zonedâ€Based Prediction in Cultivar Testing. Crop Science, 2019, 59, 1544-1553. | 1.8 | 11 |
| 99 | Best Prediction of the Additive Genomic Variance in Random-Effects Models. Genetics, 2019, 213, 379-394. | 2.9 | 8 |
| 100 | Blocking and re-arrangement of pots in greenhouse experiments: which approach is more effective?. Plant Methods, 2019, 15, 143. | 4.3 | 9 |
| 101 | Do we need more drought for better nutrition? The effect of precipitation on nutrient concentration in East African food crops. Science of the Total Environment, 2019, 658, 405-415. | 8.0 | 33 |
| 102 | Analysing censored data in agricultural research: A review with examples and software tips. Annals of Applied Biology, 2019, 174, 3-13. | 2.5 | 19 |
| 103 | Mineral NPK and manure fertilisation affecting the yield stability of winter wheat: Results from a long-term field experiment. European Journal of Agronomy, 2019, 102, 14-22. | 4.1 | 57 |
| 104 | Similar spatial patterns of soil quality indicators in three poplar-based silvo-arable alley cropping systems in Germany. Biology and Fertility of Soils, 2019, 55, 1-14. | 4.3 | 41 |
| 105 | Simultaneous improvement of grain yield and protein content in durum wheat by different phenotypic indices and genomic selection. Theoretical and Applied Genetics, 2018, 131, 1315-1329. | 3.6 | 87 |
| 106 | Allowing for the structure of a designed experiment when estimating and testing trait correlations. Journal of Agricultural Science, 2018, 156, 59-70. | 1.3 | 24 |
| 107 | Estimating the variance for heterogeneity in armâ€based network metaâ€analysis. Pharmaceutical Statistics, 2018, 17, 264-277. | 1.3 | 14 |
| 108 | Weighted Estimation of AMMI and GGE Models. Journal of Agricultural, Biological, and Environmental Statistics, 2018, 23, 255-275. | 1.4 | 8 |

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| 109 | A tutorial on the statistical analysis of factorial experiments with qualitative and quantitative treatment factor levels. Journal of Agronomy and Crop Science, 2018, 204, 429-455. | 3.5 | 59 |
| 110 | Single-Parent Expression Is a General Mechanism Driving Extensive Complementation of Non-syntenic Genes in Maize Hybrids. Current Biology, 2018, 28, 431-437.e4. | 3.9 | 50 |
| 111 | Higher grain yield and higher grain protein deviation underline the potential of hybrid wheat for a sustainable agriculture. Plant Breeding, 2018, 137, 326-337. | 1.9 | 46 |
| 112 | What's normal anyway? Residual plots are more telling than significance tests when checking <scp>ANOVA</scp> assumptions. Journal of Agronomy and Crop Science, 2018, 204, 86-98. | 3.5 | 227 |
| 113 | An Evaluation of Error Variance Bias in Spatial Designs. Journal of Agricultural, Biological, and Environmental Statistics, 2018, 23, 83-91. | 1.4 | 6 |
| 114 | Factors controlling the variability of organic matter in the top- and subsoil of a sandy Dystric Cambisol under beech forest. Geoderma, 2018, 311, 37-44. | 5.1 | 55 |
| 115 | Efficiency of genomic prediction of non-assessed single crosses. Heredity, 2018, 120, 283-295. | 2.6 | 17 |
| 116 | Effects of biochar and slurry application as well as drying and rewetting on soil macroâ€aggregate formation in agricultural silty loam soils. Soil Use and Management, 2018, 34, 575-583. | 4.9 | 7 |
| 117 | Phenotypic Selection in Ornamental Breeding: It's Better to Have the BLUPs Than to Have the BLUEs. Frontiers in Plant Science, 2018, 9, 1511. | 3.6 | 17 |
| 118 | Neighbor balance and evenness of distribution of treatment replications in rowâ€column designs. Biometrical Journal, 2018, 60, 1172-1189. | 1.0 | 19 |
| 119 | Rainfall trends and variation in the Maasai Mara ecosystem and their implications for animal population and biodiversity dynamics. PLoS ONE, 2018, 13, e0202814. | 2.5 | 61 |
| 120 | Sowing Date in Egypt Affects Chia Seed Yield and Quality. Agronomy Journal, 2018, 110, 2310-2321. | 1.8 | 6 |
| 121 | Effects of chemical and physical grassland renovation on the temporal dynamics of organic carbon stocks and waterâ€stable aggregate distribution in a sandy temperate grassland soil. Soil Use and Management, 2018, 34, 490-499. | 4.9 | 2 |
| 122 | Expected variance between seed germination test replicate results. Seed Science and Technology, 2018, 46, 197-209. | 1.4 | 2 |
| 123 | Genetic and phenotypic correlation for breeding relevant traits in Dianthus caryophyllus L.. Postharvest Biology and Technology, 2018, 143, 129-136. | 6.0 | 6 |
| 124 | Nonparametric Resampling Methods for Testing Multiplicative Terms in AMMI and GGE Models for Multienvironment Trials. Crop Science, 2018, 58, 752-761. | 1.8 | 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. Journal of Cereal Science, 2018, 84, 132-141. | 3.7 | 10 |
| 126 | Letters in Mean Comparisons: What They Do and Donâ€™t Mean. Agronomy Journal, 2018, 110, 431-434. | 1.8 | 45 |

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| 127 | Biplots: Do Not Stretch Them!. Crop Science, 2018, 58, 1061-1069. | 1.8 | 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. Ecological Indicators, 2018, 95, 554-567. | 6.3 | 5 |
| 130 | Contribution to the discussion of â€œWhen should metaâ€analysis avoid making hidden normality assumptions?â€•Using generalâ€purpose GLMM software for metaâ€analysis. Biometrical Journal, 2018, 60, 1059-1061. | 1.0 | 0 |
| 131 | More, Larger, Simpler: How Comparable Are Onâ€Farm and Onâ€Station Trials for Cultivar Evaluation?. Crop Science, 2018, 58, 1508-1518. | 1.8 | 14 |
| 132 | Modeling Spatially Correlated and Heteroscedastic Errors in Ethiopian Maize Trials. Crop Science, 2018, 58, 1575-1586. | 1.8 | 8 |
| 133 | Effects of fine root characteristics of beech on carbon turnover in the topsoil and subsoil of a sandy ‹scp›C‹/scp›ambisol. European Journal of Soil Science, 2017, 68, 177-188. | 3.9 | 3 |
| 134 | Comparative transcriptome analysis of vase life and carnation type in Dianthus caryophyllus L.. Scientia Horticulturae, 2017, 217, 61-72. | 3.6 | 16 |
| 135 | Selection for production-related traits in Pelargonium zonale: improved design and analysis make all the difference. Horticulture Research, 2017, 4, 17004. | 6.3 | 13 |
| 136 | Influence of elevated soil temperature and biochar application on organic matter associated with aggregate-size and density fractions in an arable soil. Agriculture, Ecosystems and Environment, 2017, 241, 79-87. | 5.3 | 45 |
| 137 | Efficient statistical design in two-phase experiments on vase life in carnations ( Dianthus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 6.0 | 16 |
| 138 | The presence of extreme feather peckers in groups of laying hens. Animal, 2017, 11, 500-506. | 3.3 | 11 |
| 139 | Production objectives, trait and breed preferences of farmers keeping Nâ€™Dama, Fulani Zebu and crossbred cattle and implications for breeding programs. Animal, 2017, 11, 687-695. | 3.3 | 28 |
| 140 | One Step at a Time: Stageâ€Wise Analysis of a Series of Experiments. Agronomy Journal, 2017, 109, 845-857. | 1.8 | 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. Theoretical and Applied Genetics, 2017, 130, 981-998. | 3.6 | 71 |
| 142 | Genomic prediction in early selection stages using multi-year data in a hybrid rye breeding program. BMC Genetics, 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. European Journal of Orthodontics, 2017, 39, 601-614. | 2.4 | 9 |
| 144 | Predicting biphasic responses in binary mixtures: Pelargonic acid versus glyphosate. Chemosphere, 2017, 178, 88-98. | 8.2 | 33 |

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|---|---|---|---|
| 145 | Crossâ€Validation in AMMI and GGE Models: A Comparison of Methods. Crop Science, 2017, 57, 264-274. | 1.8 | 12 |
| 146 | Stability of Single-Parent Gene Expression Complementation in Maize Hybrids upon Water Deficit Stress. Plant Physiology, 2017, 173, 1247-1257. | 4.8 | 36 |
| 147 | A robust DF-REML framework for variance components estimation in genetic studies. Bioinformatics, 2017, 33, 3584-3594. | 4.1 | 11 |
| 148 | Designing an experiment with quantitative treatment factors to study the effects of climate change. Journal of Agronomy and Crop Science, 2017, 203, 584-592. | 3.5 | 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. Theoretical and Applied Genetics, 2017, 130, 2411-2429. | 3.6 | 35 |
| 150 | Breeding progress, environmental variation and correlation of winter wheat yield and quality traits in German official variety trials and on-farm during 1983â€“2014. Theoretical and Applied Genetics, 2017, 130, 223-245. | 3.6 | 133 |
| 151 | Nondestructive Leaf Area Estimation for Chia. Agronomy Journal, 2017, 109, 1960-1969. | 1.8 | 6 |
| 152 | Quantifying uncertainty on sediment loads using bootstrap confidence intervals. Hydrology and Earth System Sciences, 2017, 21, 571-588. | 4.9 | 9 |
| 153 | Evaluating the Competitive Ability of Durum Wheat Varieties. Agronomy Journal, 2017, 109, 2606-2612. | 1.8 | 0 |
| 154 | Prediction Accuracy and Consistency in Cultivar Ranking for Factorâ€Analytic Linear Mixed Models for Winter Wheat Multienvironmental Trials. Crop Science, 2017, 57, 2506-2516. | 1.8 | 9 |
| 155 | Identifying Effective Design Approaches to Allocate Genotypes in Two-Phase Designs: A Case Study in Pelargonium zonale. Frontiers in Plant Science, 2017, 8, 2194. | 3.6 | 6 |
| 156 | Wildlife Population Dynamics in Human-Dominated Landscapes under Community-Based Conservation: The Example of Nakuru Wildlife Conservancy, Kenya. PLoS ONE, 2017, 12, e0169730. | 2.5 | 42 |
| 157 | Quantitative genetics theory for genomic selection and efficiency of genotypic value prediction in open-pollinated populations. Scientia Agricola, 2017, 74, 41-50. | 1.2 | 11 |
| 158 | Influence of wet heating and autoclaving on chemical composition and standardized ileal crude protein and amino acid digestibility in full-fat soybeans for pigs. Journal of Animal Science, 2017, 95, 779. | 0.5 | 5 |
| 159 | Farmer Participatory Earlyâ€Generation Yield Testing of Sorghum in West Africa: Possibilities to Optimize Genetic Gains for Yield in Farmersâ€™ Fields. Crop Science, 2016, 56, 2493-2505. | 1.8 | 14 |
| 160 | A Simulationâ€Based Approach for Evaluating the Efficiency of Multienvironment Trial Designs. Crop Science, 2016, 56, 2237-2250. | 1.8 | 14 |
| 161 | Diallel Analysis of Four Maize Traits and a Modified Heterosis Hypothesis. Crop Science, 2016, 56, 1115-1126. | 1.8 | 10 |
| 162 | Augmented Rowâ€“Column Designs for a Small Number of Checks. Agronomy Journal, 2016, 108, 2256-2262. | 1.8 | 12 |

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