List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Salinity tolerance loci revealed in rice using high-throughput non-invasive phenotyping. Nature Communications, 2016, 7, 13342.	12.8	218
2	Integrating Image-Based Phenomics and Association Analysis to Dissect the Genetic Architecture of Temporal Salinity Responses in Rice. Plant Physiology, 2015, 168, 1476-1489.	4.8	146
3	Three-dimensional analysis of active cervical motion: the effect of age and gender. Clinical Biomechanics, 1996, 11, 201-206.	1.2	118
4	Exploring genetic variation for salinity tolerance in chickpea using image-based phenotyping. Scientific Reports, 2017, 7, 1300.	3.3	94
5	Differential expression of microRNAs and potential targets under drought stress in barley. Plant, Cell and Environment, 2017, 40, 11-24.	5.7	73
6	Genome-wide association of barley plant growth under drought stress using a nested association mapping population. BMC Plant Biology, 2019, 19, 134.	3.6	73
7	A QTL on the short arm of wheat (Triticum aestivum L.) chromosome 3B affects the stability of grain weight in plants exposed to a brief heat shock early in grain filling. BMC Plant Biology, 2016, 16, 100.	3.6	62
8	Drought-inducible expression of Hv-miR827 enhances drought tolerance in transgenic barley. Functional and Integrative Genomics, 2017, 17, 279-292.	3.5	62
9	Mapping of novel salt tolerance QTL in an Excalibur × Kukri doubled haploid wheat population. Theoretical and Applied Genetics, 2018, 131, 2179-2196.	3.6	60
10	Accounting for variation in designing greenhouse experiments with special reference to greenhouses containing plants on conveyor systems. Plant Methods, 2013, 9, 5.	4.3	58
11	The Development of Hyperspectral Distribution Maps to Predict the Content and Distribution of Nitrogen and Water in Wheat (Triticum aestivum). Frontiers in Plant Science, 2019, 10, 1380.	3.6	56
12	Multiple randomizations. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2006, 68, 571-609.	2.2	46
13	A Comprehensive Imageâ€based Phenomic Analysis Reveals the Complex Genetic Architecture of Shoot Growth Dynamics in Rice (<i>Oryza sativa</i>). Plant Genome, 2017, 10, plantgenome2016.07.0064.	2.8	45
14	Examining the dimensions of a lifestyle tourism destination. International Journal of Culture, Tourism and Hospitality Research, 2008, 2, 44-66.	2.9	42
15	Salinity tolerance in Australian wild Oryza species varies widely and matches that observed in O. sativa. Rice, 2018, 11, 66.	4.0	36
16	Analysis of Judge Performance in Wine-Quality Evaluations. Journal of Food Science, 1987, 52, 1273-1279.	3.1	34
17	Formulating mixed models for experiments, including longitudinal experiments. Journal of Agricultural, Biological, and Environmental Statistics, 2009, 14, 253-280.	1.4	34
18	Biosynthesis of Abscisic Acid under Osmotic Stress: Studies Based on a Dual Labelling Technique. Physiologia Plantarum, 1975, 33, 166-170.	5.2	33

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19	ToF-SIMS as a New Method to Determine the Contact Angle of Mineral Surfaces. Langmuir, 2010, 26, 8122-8130.	3.5	33
20	Developing resilient green roofs in a dry climate. Science of the Total Environment, 2014, 490, 579-589.	8.0	31
21	Analysis of Variance Tables Based on Experimental Structure. Biometrics, 1983, 39, 53.	1.4	30
22	Growth curve registration for evaluating salinity tolerance in barley. Plant Methods, 2017, 13, 18.	4.3	29
23	Resource allocation to growth or luxury consumption drives mycorrhizal responses. Ecology Letters, 2019, 22, 1757-1766.	6.4	29
24	Variation in shoot tolerance mechanisms not related to ion toxicity in barley. Functional Plant Biology, 2017, 44, 1194.	2.1	28
25	Multiphase Experiments with at Least One Later Laboratory Phase. I. Orthogonal Designs. Journal of Agricultural, Biological, and Environmental Statistics, 2011, 16, 422-450.	1.4	27
26	An analysis of correlation matrices: Equal correlations. Biometrika, 1984, 71, 545-554.	2.4	25
27	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages. PLoS ONE, 2020, 15, e0236037.	2.5	25
28	Identification of salt tolerance QTL in a wheat RIL mapping population using destructive and non-destructive phenotyping. Functional Plant Biology, 2021, 48, 131.	2.1	22
29	Highâ€ŧhroughput 3D modelling to dissect the genetic control of leaf elongation in barley (<i>Hordeum vulgare</i>). Plant Journal, 2019, 98, 555-570.	5.7	20
30	Novel Salinity Tolerance Loci in Chickpea Identified in Glasshouse and Field Environments. Frontiers in Plant Science, 2021, 12, 667910.	3.6	20
31	Smoothing and extraction of traits in the growth analysis of noninvasive phenotypic data. Plant Methods, 2020, 16, 36.	4.3	19
32	A single nucleotide substitution in <scp><i>TaHKT1</i></scp> ; <scp><i>5â€D</i></scp> controls shoot Na ⁺ accumulation in bread wheat. Plant, Cell and Environment, 2020, 43, 2158-2171.	5.7	18
33	Effect of Rice GDP-L-Galactose Phosphorylase Constitutive Overexpression on Ascorbate Concentration, Stress Tolerance, and Iron Bioavailability in Rice. Frontiers in Plant Science, 2020, 11, 595439.	3.6	18
34	Evaluating implicit judgments from image search clickthrough data. Journal of the Association for Information Science and Technology, 2012, 63, 2451-2462.	2.6	15
35	Genetic architecture of apple fruit quality traits following storage and implications for genetic improvement. Tree Genetics and Genomes, 2016, 12, 1.	1.6	15
36	The response of the grape cultivar Crouchen (Australian syn. Clare Riesling) to various trellis and pruning treatments. Australian Journal of Agricultural Research, 1976, 27, 845.	1.5	14

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37	Variable water cycles have a greater impact on wheat growth and soil nitrogen response than constant watering. Plant Science, 2020, 290, 110146.	3.6	13
38	Decomposition tables for experiments I. A chain of randomizations. Annals of Statistics, 2009, 37, .	2.6	12
39	An investigation of tree growth in permeable paving. Urban Forestry and Urban Greening, 2019, 43, 126374.	5.3	12
40	Enhancement of sorghum grain yield and nutrition: A role for arbuscular mycorrhizal fungi regardless of soil phosphorus availability. Plants People Planet, 2022, 4, 143-156.	3.3	12
41	Experimental power considerations—Justifying replication for animal care and use committees. Poultry Science, 2013, 92, 2490-2497.	3.4	11
42	Heat susceptibility of grain filling in wheat (Triticum aestivum L.) linked with rapid chlorophyll loss during a 3-day heat treatment. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	11
43	The wheat <i>Seven in absentia</i> gene is associated with increases in biomass and yield in hot climates. Journal of Experimental Botany, 2021, 72, 3774-3791.	4.8	11
44	Randomization-based models for multitiered experiments: I. A chain of randomizations. Annals of Statistics, 2016, 44, .	2.6	10
45	Understanding the Interactions between Biomass, Grain Production and Grain Protein Content in High and Low Protein Wheat Genotypes under Controlled Environments. Agronomy, 2019, 9, 706.	3.0	10
46	Tiers, Structure Formulae and the Analysis of Complicated Experiments. Journal of the Royal Statistical Society: Series D (the Statistician), 1999, 48, 41-52.	0.2	9
47	Validity study of a novel test protocol for the identification of submaximal muscular effort. Isokinetics and Exercise Science, 1996, 6, 139-144.	0.4	8
48	A Statistically Rigorous Approach to Experimental Design of Vertical Living Walls for Green Buildings. Urban Science, 2019, 3, 71.	2.3	8
49	Highâ€ŧhroughput phenotyping reveals growth of Medicago truncatula is positively affected by arbuscular mycorrhizal fungi even at high soil phosphorus availability. Plants People Planet, 2020, 3, 600.	3.3	8
50	High-throughput, image-based phenotyping reveals nutrient-dependent growth facilitation in a grass-legume mixture. PLoS ONE, 2020, 15, e0239673.	2.5	8
51	Decomposition tables for experiments. II. Two–one randomizations. Annals of Statistics, 2010, 38, .	2.6	7
52	A field and laboratory investigation of kerb side inlet pits using four media types. Journal of Environmental Management, 2019, 247, 281-290.	7.8	7
53	Identifying the genetic control of salinity tolerance in the bread wheat landrace Mocho de Espiga Branca. Functional Plant Biology, 2021, 48, 1148-1160.	2.1	7
54	Effects of 1-methylcyclopropene on firmness and flesh browning in Pink Lady TM apples. Journal of Horticultural Science and Biotechnology, 2008, 83, 165-170.	1.9	6

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55	Effects of various isoresistive training programmes on trunk muscle performance. Clinical Biomechanics, 1995, 10, 379-384.	1.2	5
56	Multiphase experiments in practice: A look back. Australian and New Zealand Journal of Statistics, 2017, 59, 327-352.	0.9	5
57	Evaluation of commercial composts and potting mixes and their ability to support arbuscular mycorrhizal fungi with maize (Zea mays) as host plant. Waste Management, 2021, 134, 187-196.	7.4	5
58	Using the randomisation in specifying the ANOVA model and table for properly and improperly replicated grazing trials. Australian Journal of Experimental Agriculture, 1998, 38, 325.	1.0	5
59	An analysis of correlation matrices: Variables cross-classified by two factors. Biometrika, 1988, 75, 469-476.	2.4	4
60	Performance of a kerb side inlet to irrigate street trees and to improve road runoff water quality: a comparison of four media types. Environmental Science and Pollution Research, 2019, 26, 33995-34007.	5.3	4
61	Transcripts of wheat at a target locus on chromosome 6B associated with increased yield, leaf mass and chlorophyll index under combined drought and heat stress. PLoS ONE, 2020, 15, e0241966.	2.5	4
62	Harvest pruning of young Sultana vines under various training systems. Australian Journal of Experimental Agriculture, 1978, 18, 847.	1.0	3
63	Quasi-Latin designs. Electronic Journal of Statistics, 2012, 6, .	0.7	3
64	Multiphase experiments with at least one later laboratory phase. II. Nonorthogonal designs. Australian and New Zealand Journal of Statistics, 2019, 61, 234-268.	0.9	3
65	Pruning Sultana vines by the arched cane system. Australian Journal of Experimental Agriculture, 1978, 18, 301.	1.0	2
66	Ground movement in a moderately expansive soil subject to rainfall infiltration through pervious paving. Ecological Engineering, 2020, 158, 106022.	3.6	2
67	Use of the starwheel sprayer for applying drying emulsion to sultana grapes to be dried on the trellis. Australian Journal of Experimental Agriculture, 1977, 17, 871.	1.0	2
68	Comments on †Therapist variation within randomized trials of psychotherapy: Implications for precision, internal and external validity'. Statistical Methods in Medical Research, 2012, 21, 215-216.	1.5	1
69	Impact on genetic gain from using misspecified statistical models in generating <i>p</i> â€rep designs for early generation plantâ€breeding experiments. Crop Science, 2020, 60, 3083-3095.	1.8	1
70	Frequency Versus Quantity: Phenotypic Response of Two Wheat Varieties to Water and Nitrogen Variability. Journal of Soil Science and Plant Nutrition, 2021, 21, 1631-1641.	3.4	1
71	Designing, understanding and modelling two-phase experiments with human subjects. Statistical Methods in Medical Research, 2022, 31, 626-645.	1.5	1
72	Title is missing!. , 2020, 15, e0236037.		0

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