Leonardo Lopes Bhering

List of Publications by Year
in descending order

116 papers	1,307 citations	471477 17 h-index	454934 30 g-index
119 all docs	119 docs citations	119 times ranked	1427 citing authors

#	Article	IF	Citations
1	Genotype plus genotype by-environment interaction biplot and genetic diversity analyses on multi-environment trials data of yield and technological traits of cotton cultivars. Ciencia Rural, 2022, 52, .	0.5	2
2	Interrelations between productive, vegetative, and fruit quality traits in Tahiti acid lime through Bayesian inference. Ciencia Rural, 2022, 52, .	0.5	1
3	Genetic variability analyses considering multi-environment trials in maize breeding. Euphytica, 2022, 218, 1.	1.2	0
4	Breeding strategies to consolidate canola among the main crops for biofuels. Euphytica, 2022, 218, 1.	1.2	2
5	Bioenergy elephant grass genotype selection leveraged by spatial modeling of conventional and high-throughput phenotyping data. Journal of Cleaner Production, 2022, 363, 132286.	9.3	5
6	Mixed Modeling in Genetic Divergence Study of Elite Popcorn Hybrids (Zea mays var. everta). Agriculture (Switzerland), 2022, 12, 910.	3.1	1
7	Biometry in plant breeding. Crop Breeding and Applied Biotechnology, 2021, 21, .	0.4	1
8	Environmental stratification and genotype recommendation toward the soybean ideotype: a Bayesian approach. Crop Breeding and Applied Biotechnology, 2021, 21, .	0.4	2
9	Selection of maize hybrids: an approach with multi-trait, multi-environment, and ideotype-design. Crop Breeding and Applied Biotechnology, 2021, 21, .	0.4	2
10	Models for optimizing selection based on adaptability and stability of cotton genotypes. Ciencia Rural, 2021, 51, .	0.5	5
11	Multiple-trait model through Bayesian inference applied to Jatropha curcas breeding for bioenergy. PLoS ONE, 2021, 16, e0247775.	2.5	14
12	Increasing selection gain and accuracy of harvest prediction models in Jatropha through genome-wide selection. Scientific Reports, 2021, 11, 13583.	3.3	1
13	Optimal harvest number and genotypic evaluation of total dry biomass, stability, and adaptability of elephant grass clones for bioenergy purposes. Biomass and Bioenergy, 2021, 149, 106104.	5.7	10
14	Multitrait and multiharvest analyses for genetic assessment and selection of Tahiti acid lime genotypes through Bayesian inference. Scientia Horticulturae, 2021, 290, 110536.	3.6	2
15	Quantile regression in genomic selection for oligogenic traits in autogamous plants: A simulation study. PLoS ONE, 2021, 16, e0243666.	2.5	6
16	Soybean productivity, stability, and adaptability through mixed model methodology. Ciencia Rural, 2021, 51, .	0.5	5
17	Accounting for spatial trends in multi-environment diallel analysis in maize breeding. PLoS ONE, 2021, 16, e0258473.	2.5	8
18	Multi-trait multi-environment diallel analyses for maize breeding. Euphytica, 2020, 216, 1.	1.2	9

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19	Reaction norms–based approach applied to optimizing recommendations of cotton genotypes. Agronomy Journal, 2020, 112, 4613-4623.	1.8	6
20	Fuzzy controller in the selection of sugarcane and energy cane ideotypes. Euphytica, 2020, 216, 1.	1.2	0
21	Estimates of repeatability coefficients and optimum number of measures for genetic selection of Cynodon spp.. Euphytica, 2020, 216, 1.	1.2	9
22	A feasible method to extract DNA from the cambium of high-canopy trees: from harvest to assessment. Acta Amazonica, 2020, 50, 335-338.	0.7	1
23	Random regression for modeling yield genetic trajectories in Jatropha curcas breeding. PLoS ONE, 2020, 15, e0244021.	2.5	6
24	Genetic Gains With Selection for Yield and Soluble Solids Content in Cherry Tomato Hybrids. Hortscience: A Publication of the American Society for Hortcultural Science, 2020, 55, 400-402.	1.0	0
25	Selection of Jatropha genotypes for bioenergy purpose: an approach with multitrait, multiharvest and effective population size. Bragantia, 2020, 79, 346-355.	1.3	4
26	Quantifying individual variation in reaction norms using random regression models fitted through Legendre polynomials: application in eucalyptus breeding. Bragantia, 2020, 79, 485-501.	1.3	3
27	Multiple-trait, random regression, and compound symmetry models for analyzing multi-environment trials in maize breeding. PLoS ONE, 2020, 15, e0242705.	2.5	8
28	Title is missing!. , 2020, 15, e0242705.		0
29	Title is missing!. , 2020, 15, e0242705.		0
30	Title is missing!. , 2020, 15, e0242705.		0
31	Title is missing!. , 2020, 15, e0242705.		0
32	Title is missing!. , 2020, 15, e0242705.		0
33	Title is missing!. , 2020, 15, e0242705.		0
34	Selection of maize top-crosses for different nitrogen levels through specific combining ability. Bragantia, 2019, 78, 208-214.	1.3	4
35	Adaptability of cotton (Gossypium hirsutum) genotypes analysed using a Bayesian AMMI model. Crop and Pasture Science, 2019, 70, 615.	1.5	8
36	Selection and genetic parameters for interpopulation hybrids between kouilou and robusta coffee. Bragantia, 2019, 78, 52-59.	1.3	6

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37	Strategies in the Genetic Breeding of Jatropha curcas for Biofuel Production in Brazil. , 2019, , 45-62.		2
38	Adaptability and Stability of Cotton Genotypes Regarding Fiber Yield and Quality Traits. Crop Science, 2019, 59, 518-524.	1.8	19
39	Multiple-trait BLUP in longitudinal data analysis on Jatropha curcas breeding for bioenergy. Industrial Crops and Products, 2019, 130, 558-561.	5.2	19
40	Understanding the combining ability for physiological traits in soybean. PLoS ONE, 2019, 14, e0226523.	2.5	15
41	Nonlinear Regression and Multivariate Analysis Used to Study the Phenotypic Stability of Cowpea Genotypes. Hortscience: A Publication of the American Society for Hortcultural Science, 2019, 54, 1682-1685.	1.0	2
42	Indirect response in genome wide selection using selected markers. Bioscience Journal, 2019, 35, .	0.4	0
43	Environmental stratification in the brazilian cerrado on the yield and fiber quality of cotton genotypes. Bioscience Journal, 2019, 35, .	0.4	1
44	Estimates of genetic divergence in cowpea by multivariate analysis in different environments. Bioscience Journal, 2019, 35, .	0.4	2
45	Selection of Jatropha curcas families based on temporal stability and adaptability of genetic values. Industrial Crops and Products, 2018, 119, 290-293.	5.2	17
46	Establishment of new strategies to quantify and increase the variability in the Brazilian Jatropha genotypes. Industrial Crops and Products, 2018, 117, 216-223.	5.2	12
47	The genetic architecture of photosynthesis and plant growthâ€related traits in tomato. Plant, Cell and Environment, 2018, 41, 327-341.	5.7	59
48	Genetic gains in agronomic and technological traits of elite cotton genotypes. Bragantia, 2018, 77, 466-475.	1.3	8
49	<b>Interrelations between agronomic and technological fiber traits in upland cotton. Acta Scientiarum - Agronomy, 2018, 40, 39364.	0.6	7
50	Multiple-trait BLUP: a suitable strategy for genetic selection of Eucalyptus. Tree Genetics and Genomes, 2018, 14, 1.	1.6	16
51	Diallel analysis and inbreeding depression in agronomic and technological traits of cotton genotypes. Bragantia, 2018, 77, 527-535.	1.3	1
52	Jatropha half-sib family selection with high adaptability and genotypic stability. PLoS ONE, 2018, 13, e0199880.	2.5	3
53	Identification of Optimal Environments for Cotton Cultivars in the Brazilian Cerrado. Agronomy Journal, 2018, 110, 1226-1232.	1.8	2
54	<b>Parental selection in diallel crosses of <i>Jatropha curcas</i> using mixed models. Acta Scientiarum - Agronomy, 2018, 40, 35008.	0.6	8

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55	Performance of Cowpea Genotypes in the Brazilian Midwest Using the Bayesian Additive Main Effects and Multiplicative Interaction Model. Agronomy Journal, 2018, 110, 147-154.	1.8	4
56	The number of measurements needed to obtain high reliability for traits related to enzymatic activities and photosynthetic compounds in soybean plants infected with Phakopsora pachyrhizi. PLoS ONE, 2018, 13, e0192189.	2.5	5
57	Selection strategy for indication of crosses between potential sugarcane genotypes aiming at the production of bioenergy. Industrial Crops and Products, 2017, 104, 62-67.	5.2	6
58	Parental Selection. , 2017, , 131-147.		0
59	Biometric and biotechnology strategies in Jatropha genetic breeding for biodiesel production. Renewable and Sustainable Energy Reviews, 2017, 76, 894-904.	16.4	27
60	Research Article Estimates of repeatability coefficients and the number of the optimum measure to select superior genotypes in Annona muricata L.. Genetics and Molecular Research, 2017, 16, .	0.2	14
61	Selecting sugarcane genotypes by the selection index reveals high gain for technological quality traits. Genetics and Molecular Research, 2017, 16, .	0.2	4
62	Breeding Jatropha curcas by genomic selection: A pilot assessment of the accuracy of predictive models. PLoS ONE, 2017, 12, e0173368.	2.5	15
63	Path analysis and canonical correlations for indirect selection of Jatropha genotypes with higher oil yield. Genetics and Molecular Research, 2017, 16, .	0.2	2
64	Research Article Evaluation of genotype x environment interactions in cotton using the method proposed by Eberhart and Russell and reaction norm models.. Genetics and Molecular Research, 2017, 16, .	0.2	0
65	Minimum number of measurements for evaluating soursop (Annona muricata L.) yield. Genetics and Molecular Research, 2017, 16, .	0.2	0
66	Rbio: A tool for biometric and statistical analysis using the R platform. Crop Breeding and Applied Biotechnology, 2017, 17, 187-190.	0.4	195
67	Diallel analysis in agronomic traits of Jatropha. Crop Breeding and Applied Biotechnology, 2017, 17, 259-265.	0.4	3
68	Leveraging genomic prediction to scan germplasm collection for crop improvement. PLoS ONE, 2017, 12, e0179191.	2.5	35
69	Multivariate diallel analysis allows multiple gains in segregating populations for agronomic traits in Jatropha. Genetics and Molecular Research, 2017, 16, .	0.2	2
70	SISTEMA DE PRODUÃ‡ÃƒO DE MUDAS EM HÃBRIDOS INTERESPECÃFICOS ENTRE CAIAUÃ‰ E DENDÃŠ. Ciencia Florestal, 2017, 27, 169-179.	0.3	1
71	Brief history of Eucalyptus breeding in Brazil under perspective of biometric advances. Ciencia Rural, 2016, 46, 1585-1593.	0.5	30
72	Bayesian Multi-Trait Analysis Reveals a Useful Tool to Increase Oil Concentration and to Decrease Toxicity in Jatropha curcas L.. PLoS ONE, 2016, 11, e0157038.	2.5	13

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73	Oil content increase and toxicity reduction in jatropha seeds through family selection. Industrial Crops and Products, 2016, 80, 70-76.	5.2	18
74	Determination of the optimal number of markers and individuals in a training population necessary for maximum prediction accuracy in F<sub>2</sub> populations by using genomic selection models. Genetics and Molecular Research, 2016, 15, .	0.2	4
75	Application of neural networks to predict volume in eucalyptus. Crop Breeding and Applied Biotechnology, 2015, 15, 125-131.	0.4	16
76	Artificial neural networks reveal efficiency in genetic value prediction. Genetics and Molecular Research, 2015, 14, 6796-6807.	0.2	12
77	<b>Parental selection for the formation of interspecific hybrid populations of oil palm. Acta Scientiarum - Agronomy, 2015, 37, 155.	0.6	2
78	Molecular analysis reveals new strategy for data collection in order to explore variability in Jatropha. Industrial Crops and Products, 2015, 74, 898-902.	5.2	10
79	Plateau regression reveals that eight plants per accession are representative for Jatropha germplasm bank. Industrial Crops and Products, 2015, 65, 210-215.	5.2	6
80	Metodologia para análise de adaptabilidade e estabilidade por meio de regressão quantílica. Pesquisa Agropecuaria Brasileira, 2015, 50, 290-297.	0.9	4
81	Comparison of methods used to identify superior individuals in genomic selection in plant breeding. Genetics and Molecular Research, 2015, 14, 10888-10896.	0.2	16
82	Neural networks for predicting breeding values and genetic gains. Scientia Agricola, 2014, 71, 494-498.	1.2	39
83	Biometrics Applied to Molecular Analysis in Genetic Diversity. , 2014, , 47-81.		4
84	Evaluation of interspecific hybrids of palm oil reveals great genetic variability and potential selection gain. Industrial Crops and Products, 2014, 52, 512-518.	5.2	25
85	Pré-melhoramento do camucamuzeiro: estudo de parâmetros genéticos e dissimilaridade. Revista Ceres, 2014, 61, 538-543.	0.4	11
86	Differential response of Jatropha genotypes to different selection methods indicates that combined selection is more suited than other methods for rapid improvement of the species. Industrial Crops and Products, 2013, 41, 260-265.	5.2	40
87	Estimates of repeatability coefficients and selection gains in Jatropha indicate that higher cumulative genetic gains can be obtained by relaxing the degree of certainty in predicting the best families. Industrial Crops and Products, 2013, 51, 70-76.	5.2	30
88	Joint analysis of phenotypic and molecular diversity provides new insights on the genetic variability of the brazilian physic nut germplasm bank. Genetics and Molecular Biology, 2013, 36, 371-381.	1.3	48
89	Artificial neural networks for adaptability and stability evaluation in alfalfa genotypes. Crop Breeding and Applied Biotechnology, 2013, 13, 152-156.	0.4	34
90	Genetic parameters and genotype x environment interaction for productivity, oil and protein content in soybean. African Journal of Agricultural Research Vol Pp, 2013, 8, 4853-4859.	0.5	13

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91	Seleção simultânea de clones de eucalipto de acordo com produtividade, estabilidade e adaptabilidade. Pesquisa Agropecuaria Brasileira, 2012, 47, 964-971.	0.9	61
92	Genetic gains in physic nut using selection indexes. Pesquisa Agropecuaria Brasileira, 2012, 47, 402-408.	0.9	36
93	Genetic Improvement of Jatropha for Biodiesel Production. Ceiba, 2012, 51, 1-10.	0.2	10
94	Tamanho de coleção original, métodos de agrupamento e amostragem para obtenção de coleção nuclear de germoplasma. Pesquisa Agropecuaria Brasileira, 2010, 45, 1448-1455.	0.9	1
95	Linkage analysis between dominant and co-dominant makers in full-sib families of out-breeding species. Genetics and Molecular Biology, 2010, 33, 499-506.	1.3	1
96	Genetic parameters and variability in physic nut accessions during early developmental stages. Pesquisa Agropecuaria Brasileira, 2010, 45, 1117-1123.	0.9	43
97	Adaptabilidade e estabilidade via regressão não paramétrica em genótipos de café. Pesquisa Agropecuaria Brasileira, 2010, 45, 41-48.	0.9	17
98	Agrupamento de modelos de regressão da análise de adaptabilidade e estabilidade de genótipos. Pesquisa Agropecuaria Brasileira, 2010, 45, 1357-1362.	0.9	6
99	Ganhos genéticos preditos por diferentes métodos de seleção em progânies de Eucalyptus urophylla. Pesquisa Agropecuaria Brasileira, 2009, 44, 1653-1659.	0.9	18
100	Seleção assistida por marcadores para teor de matéria seca e açúcares redutores em tubérculos de batata. Ciencia Rural, 2009, 39, 38-44.	0.5	6
101	Caracterização morfofisiológica de clones precoces e tardiosde batata visando à adaptação a condições tropicais. Bragantia, 2009, 68, 295-302.	1.3	14
102	Tamanho de população ideal para mapeamento genético em famílias de irmãos completos. Pesquisa Agropecuaria Brasileira, 2008, 43, 379-385.	0.9	4
103	Estimativa de freqüência de recombinação no mapeamento genético de famílias de irmãos completos. Pesquisa Agropecuaria Brasileira, 2008, 43, 363-369.	0.9	0
104	Estratégias de amostragem e estabelecimento de coleções nucleares. Pesquisa Agropecuaria Brasileira, 2007, 42, 507-514.	0.9	6
105	Método alternativo para análise de agrupamento. Pesquisa Agropecuaria Brasileira, 2007, 42, 1421-1428.	0.9	35
106	Selection of parents for low nitrogen stress through the combining ability of maize partially inbred lines. Acta Scientiarum - Agronomy, 0, 41, e42705.	0.6	2
107	Repeatability coefficient estimates and optimum number of harvests in graft/rootstock combinations for 'tahiti' acid lime. Acta Scientiarum - Agronomy, 0, 43, e51740.	0.6	8
108	Multi-trait genomic selection indexes applied to identification of superior genotypes. Bragantia, 0, 80, .	1.3	2

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109	Genetic diversity among soursop genotypes based on fruit production. Bioscience Journal, 0, , 122-128.	0.4	4
110	Genetic divergence of strawberry cultivars under different managements. Bioscience Journal, 0, , 129-137.	0.4	3
111	GGE biplot-based genetic selection to guide interspecific crossing in Corymbia spp.. Bragantia, 0, 80, .	1.3	1
112	Repeatability reveals to be a useful method to evaluate the quality of an experiment with common beans. Bioscience Journal, 0, , 1465-1473.	0.4	0
113	Genotype selection based on multiple traits in cotton crops: The application of genotype by yield*trait biplot. Acta Scientiarum - Agronomy, 0, 44, e54136.	0.6	6
114	Genetic evaluation and selection in Jatropha curcas through Frequentist and Bayesian inferences. Bragantia, 0, 81, .	1.3	1
115	Multivariate Bayesian analysis for genetic evaluation and selection of Eucalyptus in multiple environment trials. Bragantia, 0, 81, .	1.3	1
116	Variability and genetic associations of pigeon pea yield traits in Mozambique. Pesquisa Agropecuaria Brasileira, 0, 57, .	0.9	0