

# Rodomiro Ortiz

## List of Publications by Year in descending order

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173  
papers

8,611  
citations

61857

43  
h-index

54797

84  
g-index

196  
all docs

196  
docs citations

196  
times ranked

8050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Agriculture production as a major driver of the Earth system exceeding planetary boundaries. <i>Ecology and Society</i> , 2017, 22, .	1.0	576
2	Genomic selection: genome-wide prediction in plant improvement. <i>Trends in Plant Science</i> , 2014, 19, 592-601.	4.3	559
3	Climate change: Can wheat beat the heat?. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 46-58.	2.5	550
4	Association Analysis of Historical Bread Wheat Germplasm Using Additive Genetic Covariance of Relatives and Population Structure. <i>Genetics</i> , 2007, 177, 1889-1913.	1.2	426
5	Landrace Germplasm for Improving Yield and Abiotic Stress Adaptation. <i>Trends in Plant Science</i> , 2016, 21, 31-42.	4.3	293
6	Breeding schemes for the implementation of genomic selection in wheat ( <i>Triticum spp .</i> ). <i>Plant Science</i> , 2016, 242, 23-36.	1.7	292
7	Application of genomics-assisted breeding for generation of climate resilient crops: progress and prospects. <i>Frontiers in Plant Science</i> , 2015, 6, 563.	1.7	243
8	Global agricultural intensification during climate change: a role for genomics. <i>Plant Biotechnology Journal</i> , 2016, 14, 1095-1098.	4.1	221
9	Haploids: Constraints and opportunities in plant breeding. <i>Biotechnology Advances</i> , 2015, 33, 812-829.	6.0	198
10	Genetic Diversity within a Global Panel of Durum Wheat ( <i>Triticum durum</i> ) Landraces and Modern Germplasm Reveals the History of Alleles Exchange. <i>Frontiers in Plant Science</i> , 2017, 8, 1277.	1.7	178
11	Diversifying Food Systems in the Pursuit of Sustainable Food Production and Healthy Diets. <i>Trends in Plant Science</i> , 2017, 22, 842-856.	4.3	169
12	Wheat genetic resources enhancement by the International Maize and Wheat Improvement Center (CIMMYT). <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 1095-1140.	0.8	155
13	High-Throughput Field-Phenotyping Tools for Plant Breeding and Precision Agriculture. <i>Agronomy</i> , 2019, 9, 258.	1.3	144
14	The Future of Food: Scenarios for 2050. <i>Crop Science</i> , 2010, 50, S-33.	0.8	136
15	From crossbreeding to biotechnology-facilitated improvement of banana and plantain. <i>Biotechnology Advances</i> , 2014, 32, 158-169.	6.0	135
16	High yield potential, shuttle breeding, genetic diversity, and a new international wheat improvement strategy. <i>Euphytica</i> , 2007, 157, 365-384.	0.6	132
17	Title is missing!. <i>Genetic Resources and Crop Evolution</i> , 2003, 50, 139-148.	0.8	130
18	Developing a Mini Core of Peanut for Utilization of Genetic Resources. <i>Crop Science</i> , 2002, 42, 2150-2156.	0.8	125

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19	The Molecularization of Public Sector Crop Breeding: Progress, Problems, and Prospects. <i>Advances in Agronomy</i> , 2007, , 163-318.	2.4	121
20	Genetic Basis and Breeding Perspectives of Grain Iron and Zinc Enrichment in Cereals. <i>Frontiers in Plant Science</i> , 2018, 9, 937.	1.7	117
21	Enhancing Crop Gene Pools with Beneficial Traits Using Wild Relatives. , 2008, , 179-230.		109
22	Breeding crops for reduced-tillage management in the intensive, rice-wheat systems of South Asia. <i>Euphytica</i> , 2006, 153, 135-151.	0.6	96
23	Development and performance of balck sigatoka-resistant tetraploid hybrids of plantain (Musa spp.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.6	89
24	Food, Nutrition and Agrobiodiversity Under Global Climate Change. <i>Advances in Agronomy</i> , 2013, 120, 1-128.	2.4	85
25	The importance of Endosperm Balance Number in potato breeding and the evolution of tuber-bearing <i>Solanum</i> species. <i>Euphytica</i> , 1992, 60, 105-113.	0.6	78
26	Durum Wheat ( <i>Triticum durum</i> Desf.): Origin, Cultivation and Potential Expansion in Sub-Saharan Africa. <i>Agronomy</i> , 2019, 9, 263.	1.3	77
27	Conserving and Enhancing Maize Genetic Resources as Global Public Goods A Perspective from CIMMYT. <i>Crop Science</i> , 2010, 50, 13-28.	0.8	72
28	Segregation at Microsatellite Loci in Haploid and Diploid Gametes of Musa. <i>Crop Science</i> , 1998, 38, 211-217.	0.8	70
29	Genotype-Environment interaction and selection for drought adaptation in sweetpotato ( <i>Ipomoea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.6	65
30	Editorial: Plant Phenotyping and Phenomics for Plant Breeding. <i>Frontiers in Plant Science</i> , 2017, 8, 2181.	1.7	65
31	Effect of ploidy on stomatal and other quantitative traits in plantain and banana hybrids. <i>Euphytica</i> , 1995, 83, 117-122.	0.6	61
32	New quantitative trait loci for enhancing adaptation to salinity in rice from Hasawi, a Saudi landrace into three African cultivars at the reproductive stage. <i>Euphytica</i> , 2014, 200, 45-60.	0.6	61
33	Selecting a <i>Solanum tuberosum</i> subsp. <i>andigena</i> core collection using morphological, geographical, disease and pest descriptors. <i>American Journal of Potato Research</i> , 2000, 77, 183-190.	0.5	60
34	Plant prebiotics and human health: Biotechnology to breed prebiotic-rich nutritious food crops. <i>Electronic Journal of Biotechnology</i> , 2014, 17, 238-245.	1.2	60
35	Assessing and Exploiting Functional Diversity in Germplasm Pools to Enhance Abiotic Stress Adaptation and Yield in Cereals and Food Legumes. <i>Frontiers in Plant Science</i> , 2017, 8, 1461.	1.7	60
36	Phenotypic Diversity and Patterns of Variation in West and Central African Plantains (Musa Spp., AAB) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	56

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37	Isozyme Analysis of Entire and Core Collections of <i>Solanum tuberosum</i> subsp. <i>andigena</i> Potato Cultivars. <i>Crop Science</i> , 2000, 40, 273-276.	0.8	54
38	Plot Techniques for Assessment of Bunch Weight in Banana Trials under Two Systems of Crop Management. <i>Agronomy Journal</i> , 1995, 87, 63-69.	0.9	53
39	Ploidy manipulation of the gametophyte, endosperm and sporophyte in nature and for crop improvement: a tribute to Professor Stanley J. Peloquin (1921-2008). <i>Annals of Botany</i> , 2009, 104, 795-807.	1.4	51
40	Factors Influencing Seed Set in Triploid <i>Musa</i> spp. L. and Production of Euploid Hybrids. <i>Annals of Botany</i> , 1995, 75, 151-155.	1.4	50
41	Morphological variation in <i>Musa</i> germplasm. <i>Genetic Resources and Crop Evolution</i> , 1997, 44, 393-404.	0.8	49
42	Overview and Breeding Strategies of Table Potato Production in Sweden and the Fennoscandian Region. <i>Potato Research</i> , 2016, 59, 279-294.	1.2	48
43	Concurrent Drought and Temperature Stress in Rice—A Possible Result of the Predicted Climate Change: Effects on Yield Attributes, Eating Characteristics, and Health Promoting Compounds. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1043.	1.2	48
44	<i>Musa</i> Genetic Diversity Revealed by SRAP and AFLP. <i>Molecular Biotechnology</i> , 2011, 47, 189-199.	1.3	46
45	Registration of 14 Improved Tropical <i>Musa</i> Plantain Hybrids with Black Sigatoka Resistance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 957-959.	0.5	46
46	Banana weevil resistance and corm hardness in <i>Musa</i> germplasm. <i>Euphytica</i> , 1995, 86, 95-102.	0.6	44
47	A restorer gene for genetic-cytoplasmic male sterility in cultivated potatoes. <i>American Potato Journal</i> , 1991, 68, 19-28.	0.4	43
48	Genetic gains in Nordic spring barley breeding over sixty years. <i>Euphytica</i> , 2002, 126, 283-289.	0.6	42
49	Genetics of Apical Dominance in Plantain ( <i>Musa</i> spp., AAB Group) and Improvement of Suckering Behavior. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 1050-1053.	0.5	42
50	Diploid potato germplasm derived from wild and land race genetic resources. <i>American Potato Journal</i> , 1994, 71, 599-604.	0.4	41
51	Crossbreeding East African Highland Bananas: Lessons Learnt Relevant to the Botany of the Crop After 21 Years of Genetic Enhancement. <i>Frontiers in Plant Science</i> , 2019, 10, 81.	1.7	40
52	‘Alisha’™, ‘Anamaria’™, ‘Bie’™, ‘Bita’™, ‘Caelan’™, ‘Ivone’™, ‘Lawrence’™, ‘Margarete’™, and ‘Vivian’™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2016, 51, 597-600.	0.5	40
53	Oil crops for the future. <i>Current Opinion in Plant Biology</i> , 2020, 56, 181-189.	3.5	38
54	Genetic analysis by use of potato haploid populations. <i>Genome</i> , 1992, 35, 103-108.	0.9	37

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55	Cowpeas from Nigeria: A Silent Food Revolution. <i>Outlook on Agriculture</i> , 1998, 27, 125-128.	1.8	37
56	Nutrient-Dense Orange-Fleshed Sweetpotato: Advances in Drought-Tolerance Breeding and Understanding of Management Practices for Sustainable Next-Generation Cropping Systems in Sub-Saharan Africa. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	37
57	Numerical classification of related Peruvian highland maize races using internal ear traits. <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 1055-1064.	0.8	36
58	A transnational and holistic breeding approach is needed for sustainable wheat production in the Baltic Sea region. <i>Physiologia Plantarum</i> , 2018, 164, 442-451.	2.6	36
59	Effect of the parthenocarpy gene P1 and ploidy on fruit and bunch traits of plantain-banana hybrids. <i>Heredity</i> , 1995, 75, 460-465.	1.2	35
60	Microsatellite-Aided Screening for Fertility Restoration Genes (Rf) Facilitates Hybrid Improvement. <i>Rice Science</i> , 2016, 23, 160-164.	1.7	34
61	Using Biotechnology-Led Approaches to Uplift Cereal and Food Legume Yields in Dryland Environments. <i>Frontiers in Plant Science</i> , 2018, 9, 1249.	1.7	34
62	Gender and Trait Preferences for Banana Cultivation and Use in Sub-Saharan Africa: A Literature Review1. <i>Economic Botany</i> , 2020, 74, 226-241.	0.8	34
63	Field Performance of Conventional vs. in Vitro Propagules of Plantain ( <i>Musa spp.</i> , AAB Group). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1996, 31, 862-865.	0.5	34
64	Minimum resources for phenotyping morphological traits of maize ( <i>Zea mays L.</i> ) genetic resources. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2008, 6, 195-200.	0.4	32
65	Marker-aided breeding for resistance to bean common mosaic virus in Kyrgyz bean cultivars. <i>Euphytica</i> , 2013, 193, 67-78.	0.6	32
66	Pursuing the Potential of Heirloom Cultivars to Improve Adaptation, Nutritional, and Culinary Features of Food Crops. <i>Agronomy</i> , 2019, 9, 441.	1.3	32
67	Plant Growth-Promoting Activity of <i>Pseudomonas aeruginosa</i> FG106 and Its Ability to Act as a Biocontrol Agent against Potato, Tomato and Taro Pathogens. <i>Biology</i> , 2022, 11, 140.	1.3	31
68	Secondary polyploids, heterosis, and evolutionary crop breeding for further improvement of the plantain and banana ( <i>Musa spp. L</i> ) genome. <i>Theoretical and Applied Genetics</i> , 1997, 94, 1113-1120.	1.8	30
69	Cross the Best with the Best, and Select the Best: HELP in Breeding Selfing Crops. <i>Crop Science</i> , 2018, 58, 17-30.	0.8	30
70	Fruit quality evaluation of plantains, plantain hybrids, and cooking bananas. <i>Postharvest Biology and Technology</i> , 1999, 15, 73-81.	2.9	28
71	Mitigating tradeoffs in plant breeding. <i>IScience</i> , 2021, 24, 102965.	1.9	28
72	Detection of duplicates among repatriated Nordic spring barley ( <i>Hordeum vulgare L. s.l.</i> ) accessions using agronomic and morphological descriptors and microsatellite markers. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 1-11.	0.8	27

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73	Measuring the impact of plant breeding on sub-Saharan African staple crops. <i>Outlook on Agriculture</i> , 2018, 47, 163-180.	1.8	26
74	Crop wild relatives in durum wheat breeding: Drift or thrift?. <i>Crop Science</i> , 2021, 61, 37-54.	0.8	26
75	Male sterility and 2n pollen in 4x progenies derived from 4x $\times$ 2x and 4x $\times$ 4x crosses in potatoes. <i>Potato Research</i> , 1993, 36, 227-236.	1.2	25
76	Exploiting Phenylpropanoid Derivatives to Enhance the Nutraceutical Values of Cereals and Legumes. <i>Frontiers in Plant Science</i> , 2016, 7, 763.	1.7	24
77	Plantain-derived Diploid Hybrids (TMP2x) with Black Sigatoka Resistance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1995, 30, 147-149.	0.5	24
78	Title is missing!. <i>Euphytica</i> , 1997, 96, 339-344.	0.6	23
79	The Genetic Basis of the Green Revolution in Wheat Production. , 2007, , 39-58.		23
80	Multivariate pattern of quantitative trait variation in triploid banana and plantain cultivars. <i>Scientia Horticulturae</i> , 1997, 71, 197-202.	1.7	22
81	'PITA-9': A Black-sigatoka-resistant Hybrid from the 'False Horn' Plantain Gene Pool. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1995, 30, 395-397.	0.5	22
82	Adaptation to day length and yield stability of families from 4x $\times$ 1/22x crosses in potato. <i>Euphytica</i> , 1991, 56, 187-195.	0.6	21
83	Avocado Production and Local Trade in the Southern Highlands of Tanzania: A Case of an Emerging Trade Commodity from Horticulture. <i>Agronomy</i> , 2019, 9, 749.	1.3	21
84	Genetic diversity analysis in <i>Phaseolus vulgaris</i> L. using morphological traits. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 555-566.	0.8	20
85	QTL Mapping for Resistance to Early Blight in a Tetraploid Potato Population. <i>Agronomy</i> , 2020, 10, 728.	1.3	20
86	Inheritance of early blight resistance in diploid potatoes. <i>Euphytica</i> , 1993, 71, 15-19.	0.6	19
87	Genetic diversity in sorghum [ <i>Sorghum bicolor</i> (L.) Moench] germplasm from Southern Africa as revealed by microsatellite markers and agro-morphological traits. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 599-610.	0.8	19
88	Nutritional variation in sorghum [ <i>Sorghum bicolor</i> (L.) Moench] accessions from southern Africa revealed by protein and mineral composition. <i>Journal of Cereal Science</i> , 2018, 83, 123-129.	1.8	19
89	Promising High-Yielding Tetraploid Plantain-Bred Hybrids in West Africa. <i>International Journal of Agronomy</i> , 2019, 2019, 1-8.	0.5	19
90	Genome-Based Genotype $\times$ Environment Prediction Enhances Potato ( <i>Solanum tuberosum</i> L.) Improvement Using Pseudo-Diploid and Polysomic Tetraploid Modeling. <i>Frontiers in Plant Science</i> , 2022, 13, 785196.	1.7	19

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91	Challenges to international wheat breeding. <i>Euphytica</i> , 2007, 157, 281-285.	0.6	18
92	Quantitative variation and phenotypic correlations in banana and plantain. <i>Scientia Horticulturae</i> , 1998, 72, 239-253.	1.7	17
93	Response of East African highland bananas and hybrids to <i>Radopholus similis</i> . <i>Nematology</i> , 2005, 7, 655-666.	0.2	17
94	Improving Carotenoids and Amino-Acids in Cassava. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , 2009, 1, 32-38.	0.5	17
95	Association genetics of bunch weight and its component traits in East African highland banana ( <i>Musa</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	1.8	17
96	RNA Interference and CRISPR/Cas Gene Editing for Crop Improvement: Paradigm Shift towards Sustainable Agriculture. <i>Plants</i> , 2021, 10, 1914.	1.6	17
97	Assessing Morphological and Genetic Variation in Annatto ( <i>Bixa orellana</i> L.) by Sequence-related Amplified Polymorphism and Cluster Analysis. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 2013-2017.	0.5	16
98	New Transcriptome-Based SNP Markers for Noug ( <i>Guizotia abyssinica</i> ) and Their Conversion to KASP Markers for Population Genetics Analyses. <i>Genes</i> , 2020, 11, 1373.	1.0	16
99	Spray-induced gene silencing: an innovative strategy for plant trait improvement and disease control. <i>Crop Breeding and Applied Biotechnology</i> , 2021, 21, .	0.1	16
100	IITA High Rainfall Station: Twenty Years of Research for Sustainable Agriculture in the West African Humid Forest. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1997, 32, 969-972.	0.5	16
101	Effect of Sporophytic Heterozygosity on the Male Gametophyte of the Tetraploid Potato ( <i>Solanum</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	1.4	14
102	The importance of <i>Guizotia abyssinica</i> (niger) for sustainable food security in Ethiopia. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 1763-1770.	0.8	14
103	Genoproteomics-assisted improvement of <i>Andrographis paniculata</i> : toward a promising molecular and conventional breeding platform for autogamous plants affecting the pharmaceutical industry. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 803-816.	5.1	14
104	Heat Tolerance of Durum Wheat ( <i>Triticum durum</i> Desf.) Elite Germplasm Tested along the Senegal River. <i>Journal of Agricultural Science</i> , 2018, 10, 217.	0.1	14
105	Effect of intermittent drought on grain yield and quality of rice ( <i>Oryza sativa</i> L.) grown in Rwanda. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 252-262.	1.7	14
106	Focused Identification of Germplasm Strategy (FIGS): polishing a rough diamond. <i>Current Opinion in Insect Science</i> , 2021, 45, 1-6.	2.2	14
107	A Bioinformatics Pipeline to Identify a Subset of SNPs for Genomics-Assisted Potato Breeding. <i>Plants</i> , 2021, 10, 30.	1.6	14
108	Influence of black Sigatoka disease on the growth and yield of diploid and tetraploid hybrid plantains. <i>Crop Protection</i> , 1998, 17, 13-18.	1.0	12

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109	Research and field monitoring on transgenic crops by the Centro Internacional de Mejoramiento de Maíz y Trigo (CIMMYT). <i>Euphytica</i> , 2008, 164, 893-902.	0.6	12
110	The exploitation of sunflower ( <i>Helianthus annuus</i> L.) seed and other parts for human nutrition, medicine and the industry. <i>Helia</i> , 2020, 43, 167-184.	0.0	12
111	Anthocyanin-Rich Vegetables for Human Consumption—Focus on Potato, Sweetpotato and Tomato. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2634.	1.8	12
112	Durum Wheat Breeding: In the Heat of the Senegal River. <i>Agriculture (Switzerland)</i> , 2018, 8, 99.	1.4	11
113	Genetics and Cytogenetics of the Potato. , 2020, , 219-247.		11
114	Understanding the Sorghum– <i>Colletotrichum sublineola</i> Interactions for Enhanced Host Resistance. <i>Frontiers in Plant Science</i> , 2021, 12, 641969.	1.7	11
115	The power of genomic estimated breeding values for selection when using a finite population size in genetic improvement of tetraploid potato. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	11
116	Insights Into the Genetic Diversity of Nordic Red Clover ( <i>Trifolium pratense</i> ) Revealed by SeqSNP-Based Genic Markers. <i>Frontiers in Plant Science</i> , 2021, 12, 748750.	1.7	11
117	Cultivar diversity in Nordic spring barley breeding (1930–1991). <i>Euphytica</i> , 2002, 123, 111-119.	0.6	10
118	Assessment of Rice Inbred Lines and Hybrids under Low Fertilizer Levels in Senegal. <i>Sustainability</i> , 2014, 6, 1153-1162.	1.6	10
119	Genomic-based root plasticity to enhance abiotic stress adaptation and edible yield in grain crops. <i>Plant Science</i> , 2020, 295, 110365.	1.7	10
120	Dedication: Norman E. Borlaug The Humanitarian Plant Scientist Who Changed the World. , 0, , 1-37.		10
121	Heritable Variation, Genetic and Phenotypic Correlations for Tuber Traits and Host Plant Resistance to Late Blight for Potato Breeding in Scandinavian Testing Sites. <i>Agriculture (Switzerland)</i> , 2021, 11, 1287.	1.4	10
122	Segregation of bunch orientation in plantain and banana hybrids. <i>Euphytica</i> , 1998, 101, 79-82.	0.6	9
123	Ploidy Manipulations and Genetic Markers as Tools for Analysis of Quantitative Trait Variation in Progeny Derived from Triploid Plantains. <i>Hereditas</i> , 2004, 126, 255-259.	0.5	9
124	Identification of genes regulating traits targeted for domestication of field cress ( <i>Lepidium</i> ) Tj ETQq0 0 0 rGB /Overlock 10 Tj 50 142 Tj	2.7	9
125	Genetic diversity of avocado from the southern highlands of Tanzania as revealed by microsatellite markers. <i>Hereditas</i> , 2020, 157, 40.	0.5	9
126	Induced Polyploidy: A Tool for Forage Species Improvement. <i>Agriculture (Switzerland)</i> , 2021, 11, 210.	1.4	9



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127	Nutritional Profile of the Ethiopian Oilseed Crop Noug ( <i>Guizotia abyssinica</i> Cass.): Opportunities for Its Improvement as a Source for Human Nutrition. <i>Foods</i> , 2021, 10, 1778.	1.9	9
128	RNA-Seq Provides Novel Genomic Resources for Noug ( <i>Guizotia abyssinica</i> ) and Reveals Microsatellite Frequency and Distribution in Its Transcriptome. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	9
129	Repeatability and optimum trial configuration for field-testing of banana and plantain. <i>Scientia Horticulturae</i> , 2012, 140, 39-44.	1.7	8
130	Suitability of existing <i>Musa</i> morphological descriptors to characterize East African highland "matooke" bananas. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 645-657.	0.8	8
131	Significant progressive heterobeltiosis in banana crossbreeding. <i>BMC Plant Biology</i> , 2020, 20, 489.	1.6	8
132	Advanced analytics, phenomics and biotechnology approaches to enhance genetic gains in plant breeding. <i>Advances in Agronomy</i> , 2020, 162, 89-142.	2.4	8
133	Developing Germplasm and Promoting Consumption of Anthocyanin-Rich Grains for Health Benefits. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	8
134	Characterization of Tanzanian Avocado Using Morphological Traits. <i>Diversity</i> , 2020, 12, 64.	0.7	7
135	Comparison of Morphological and Genetic Characteristics of Avocados Grown in Tanzania. <i>Genes</i> , 2021, 12, 63.	1.0	7
136	Novel GBS-Based SNP Markers for Finger Millet and Their Use in Genetic Diversity Analyses. <i>Frontiers in Genetics</i> , 2022, 13, 848627.	1.1	7
137	Diversity and population structure of Nordic potato cultivars and breeding clones. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	7
138	High-Density Genetic Linkage Mapping of <i>Lepidium</i> Based on Genotyping-by-Sequencing SNPs and Segregating Contig Tag Haplotypes. <i>Frontiers in Plant Science</i> , 2020, 11, 448.	1.7	6
139	First the seed: Genomic advances in seed science for improved crop productivity and food security. <i>Crop Science</i> , 2021, 61, 1501-1526.	0.8	6
140	Genetics of Important Traits in <i>Musa</i> . , 2011, , 71-83.		6
141	Estimating genetic effects in maternal and paternal half-sibs from tetraploid-diploid crosses in <i>Musa</i> spp.. <i>Euphytica</i> , 2012, 185, 295-301.	0.6	5
142	Farmers' rice knowledge and adoption of new cultivars in the Tillabéry region of western Niger. <i>Agriculture and Food Security</i> , 2015, 4, .	1.6	5
143	Putting Plant Genetic Diversity and Variability at Work for Breeding: Hybrid Rice Suitability in West Africa. <i>Diversity</i> , 2017, 9, 27.	0.7	5
144	Quality and Grain Yield Attributes of Rwandan Rice ( <i>Oryza sativa</i> L.) Cultivars Grown in a Biotron Applying Two NPK Levels. <i>Journal of Food Quality</i> , 2018, 2018, 1-12.	1.4	5

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145	Field cress genome mapping: Integrating linkage and comparative maps with cytogenetic analysis for rDNA carrying chromosomes. <i>Scientific Reports</i> , 2019, 9, 17028.	1.6	5
146	Screening <i>Musa</i> germplasm for resistance to burrowing nematode populations from Uganda. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 367-375.	0.8	4
147	Molecular and Genomic Tools Provide Insights on Crop Domestication and Evolution. <i>Advances in Agronomy</i> , 2016, 135, 181-223.	2.4	4
148	Genomic Selection: State of the Art. , 2017, , 19-54.		4
149	Editorial: Leeway to Operate With Plant Genetic Resources. <i>Frontiers in Plant Science</i> , 2020, 11, 911.	1.7	4
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