

# David DeKoeyer

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,017  
citations

471061

17  
h-index

454577

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and molecular adaptations to drought in Andean potato genotypes. <i>Journal of Experimental Botany</i> , 2008, 59, 2109-2123.	2.4	175
2	Genes driving potato tuber initiation and growth: identification based on transcriptional changes using the POCL array. <i>Functional and Integrative Genomics</i> , 2008, 8, 329-340.	1.4	114
3	Application of high-resolution DNA melting for genotyping and variant scanning of diploid and autotetraploid potato. <i>Molecular Breeding</i> , 2010, 25, 67-90.	1.0	54
4	Potato Expressed Sequence Tag Generation and Analysis using Standard and Unique cDNA Libraries. <i>Plant Molecular Biology</i> , 2005, 59, 407-433.	2.0	51
5	Quantitative analysis of phenolic components and glycoalkaloids from 20 potato clones and in vitro evaluation of antioxidant, cholesterol uptake, and neuroprotective activities. <i>Food Chemistry</i> , 2012, 133, 1177-1187.	4.2	47
6	Correlation of physicochemical and nutritional properties of dry matter and starch in potatoes grown in different locations. <i>Food Chemistry</i> , 2011, 126, 1246-1253.	4.2	43
7	Genome analyses reveal the hybrid origin of the staple crop white Guinea yam ( <i>Dioscorea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2020, 117, 31987-31992.	3.3	40
8	Implications of <i>miR166</i> and <i>miR159</i> induction to the basal response mechanisms of an andigena potato ( <i>Solanum tuberosum</i> subsp. <i>andigena</i> ) to salinity stress, predicted from network models in <i>Arabidopsis</i> . <i>Genome</i> , 2015, 58, 13-24.	0.9	38
9	Phenotypic Stability and Genome-Wide Association Study of Late Blight Resistance in Potato Genotypes Adapted to the Tropical Highlands. <i>Phytopathology</i> , 2014, 104, 624-633.	1.1	37
10	Comparative assessment of genetic diversity matrices and clustering methods in white Guinea yam ( <i>Dioscorea rotundata</i> ) based on morphological and molecular markers. <i>Scientific Reports</i> , 2020, 10, 13191.	1.6	32
11	Genome-Wide Association Study of Resistance to Potato Common Scab. <i>Potato Research</i> , 2020, 63, 253-266.	1.2	28
12	Comparative Metabolite Profiling of <i>Solanum tuberosum</i> against Six Wild <i>Solanum</i> Species with Colorado Potato Beetle Resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9043-9055.	2.4	25
13	Potato Response to Drought Stress: Physiological and Growth Basis. <i>Frontiers in Plant Science</i> , 2021, 12, 698060.	1.7	25
14	Spatial Multivariate Cluster Analysis for Defining Target Population of Environments in West Africa for Yam Breeding. <i>International Journal of Applied Geospatial Research</i> , 2019, 10, 1-30.	0.2	22
15	Differences between the Bud End and Stem End of Potatoes in Dry Matter Content, Starch Granule Size, and Carbohydrate Metabolic Gene Expression at the Growing and Sprouting Stages. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1176-1184.	2.4	21
16	Detection of Nitrogen Sufficiency in Potato Plants Using Gene Expression Markers. <i>American Journal of Potato Research</i> , 2010, 87, 50-59.	0.5	20
17	Development and Validation of High-Resolution Melting Markers Derived from <i>Ry</i> STS Markers for High-Throughput Marker-Assisted Selection of Potato Carrying <i>Ry</i> STS. <i>Phytopathology</i> , 2016, 106, 1366-1375.	1.1	20
18	Finding the perfect potato: using functional genomics to improve disease resistance and tuber quality traits. <i>Canadian Journal of Plant Pathology</i> , 2006, 28, S247-S255.	0.8	16

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19	Differential gene expression as an indicator of nitrogen sufficiency in field-grown potato plants. <i>Plant and Soil</i> , 2011, 345, 387-400.	1.8	16
20	Effect of Nitrogen Form on Gene Expression in Leaf Tissue of Greenhouse Grown Potatoes During Three Stages of Growth. <i>American Journal of Potato Research</i> , 2012, 89, 315-327.	0.5	16
21	Genotyping-by-Sequencing to Unlock Genetic Diversity and Population Structure in White Yam ( <i>Dioscorea rotundata</i> Poir.). <i>Agronomy</i> , 2020, 10, 1437.	1.3	16
22	Can Parentage Analysis Facilitate Breeding Activities in Root and Tuber Crops?. <i>Agriculture (Switzerland)</i> , 2018, 8, 95.	1.4	15
23	New evidence on the relationship between Microsporidia and Fungi: a genome-wide analysis by DarkHorse software. <i>Canadian Journal of Microbiology</i> , 2014, 60, 557-568.	0.8	14
24	Colorado Potato Beetle Resistance in <i>Solanum oplocense</i> X <i>Solanum tuberosum</i> Intercross Hybrids and Metabolite Markers for Selection. <i>American Journal of Potato Research</i> , 2015, 92, 684-696.	0.5	13
25	Detection of molecular markers linked to <i>Ry</i> genes in potato germplasm for marker-assisted selection for extreme resistance to PVY in AAFC's potato breeding program. <i>Canadian Journal of Plant Science</i> , 2016, 96, 737-742.	0.3	12
26	Sample Collection Protocol Effects on Quantification of Gene Expression in Potato Leaf Tissue. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 369-378.	1.0	11
27	Decreased defense gene expression in tolerance versus resistance to <i>Verticillium dahliae</i> in potato. <i>Functional and Integrative Genomics</i> , 2013, 13, 367-378.	1.4	10
28	Paternity Assignment in White Guinea Yam ( <i>Dioscorea Rotundata</i> ) Half-Sib Progenies from Polycross Mating Design Using SNP Markers. <i>Plants</i> , 2020, 9, 527.	1.6	9
29	A Simple and Efficient Inoculation Method for <i>Fusarium</i> Dry Rot Evaluations in Potatoes. <i>American Journal of Potato Research</i> , 2020, 97, 265-271.	0.5	8
30	Variation in Tuber Dry Matter Content and Starch Pasting Properties of White Guinea Yam ( <i>Dioscorea</i> ) Tj ETQq0 0 Q rgeBT /Overlock 10 T	1.3	8
31	Genetic Mapping of Steroidal Glycoalkaloids Using Selective Genotyping in Potato. <i>American Journal of Potato Research</i> , 2019, 96, 505-516.	0.5	7
32	Molecular Breeding for Potato Improvement. , 2011, , 41-67.		7
33	High Resolution DNA Melting Assays for Detection of <i>Rx1</i> and <i>Rx2</i> for High-Throughput Marker-Assisted Selection for Extreme Resistance to <i>Potato virus X</i> in Tetraploid Potato. <i>Plant Disease</i> , 2018, 102, 382-390.	0.7	6
34	Potato Tuber Necrosis Induced by Alfalfa Mosaic Virus Depends on Potato Cultivar Rather Than on Virus Strain. <i>Plant Disease</i> , 2020, 104, 340-347.	0.7	6
35	Cytological and Molecular Characterization for Ploidy Determination in Yams ( <i>Dioscorea</i> spp.). <i>Agronomy</i> , 2021, 11, 1897.	1.3	6
36	Title is missing!. <i>Euphytica</i> , 1998, 104, 67-72.	0.6	5

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37	Effectiveness of the Field Selection Parameters on Potato Yield in Atlantic Canada. Canadian Journal of Plant Science, 0, , .	0.3	5
38	<i>Verticillium dahliae</i> Disease Resistance and the Regulatory Pathway for Maturity and Tuberization in Potato. Plant Genome, 2018, 11, 170040.	1.6	5
39	Functional genomic resources for potato. Canadian Journal of Plant Science, 2008, 88, 573-581.	0.3	4
40	Identification of QTLs Controlling Resistance to Anthracnose Disease in Water Yam ( <i>Dioscorea alata</i> ). Genes, 2022, 13, 347.	1.0	4
41	Impaired expressions of the beta and delta isoforms of vacuolar processing enzymes compromise the basal defenses of <i>Arabidopsis thaliana</i> against the phloem-feeding insect <i>Myzus persicae</i> . Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	3