

# Paweł, Krajewski

## List of Publications by Year in descending order

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82  
papers

2,201  
citations

257429

24  
h-index

265191

42  
g-index

86  
all docs

86  
docs citations

86  
times ranked

3385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial activities of SHORT VEGETATIVE PHASE and FLOWERING LOCUS C define distinct modes of flowering regulation in Arabidopsis. <i>Genome Biology</i> , 2015, 16, 31.	8.8	150
2	Analysis of Drought-Induced Proteomic and Metabolomic Changes in Barley ( <i>Hordeum vulgare</i> L.) Leaves and Roots Unravels Some Aspects of Biochemical Mechanisms Involved in Drought Tolerance. <i>Frontiers in Plant Science</i> , 2016, 7, 1108.	3.6	126
3	Towards recommendations for metadata and data handling in plant phenotyping. <i>Journal of Experimental Botany</i> , 2015, 66, 5417-5427.	4.8	116
4	Measures for interoperability of phenotypic data: minimum information requirements and formatting. <i>Plant Methods</i> , 2016, 12, 44.	4.3	109
5	Temporal dynamics of gene expression and histone marks at the Arabidopsis shoot meristem during flowering. <i>Nature Communications</i> , 2017, 8, 15120.	12.8	96
6	M34T and V37I mutations in <i>GJB2</i> associated hearing impairment: Evidence for pathogenicity and reduced penetrance. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 2534-2543.	1.2	92
7	Enabling reusability of plant phenomic datasets with MIAPPE 1.1. <i>New Phytologist</i> , 2020, 227, 260-273.	7.3	84
8	Drought-related secondary metabolites of barley ( <i>Hordeum vulgare</i> L.) leaves and their metabolomic quantitative trait loci. <i>Plant Journal</i> , 2017, 89, 898-913.	5.7	83
9	Structural analysis and profiling of phenolic secondary metabolites of Mexican lupine species using LC-MS techniques. <i>Phytochemistry</i> , 2013, 92, 71-86.	2.9	69
10	QTL for yield components and protein content: a multienvironment study of two pea ( <i>Pisum sativum</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	1.2	67
11	Remodeling of Leaf Cellular Glycerolipid Composition under Drought and Re-hydration Conditions in Grasses from the Lolium-Festuca Complex. <i>Frontiers in Plant Science</i> , 2016, 7, 1027.	3.6	63
12	Quantitative Trait Loci for Yield and Yield-Related Traits in Spring Barley Populations Derived from Crosses between European and Syrian Cultivars. <i>PLoS ONE</i> , 2016, 11, e0155938.	2.5	63
13	Divergence of regulatory networks governed by the orthologous transcription factors FLC and PEP1 in Brassicaceae species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11037-E11046.	7.1	50
14	Quantitative trait loci for plant height in Maresi-CamB barley population and their associations with yield-related traits under different water regimes. <i>Journal of Applied Genetics</i> , 2017, 58, 23-35.	1.9	49
15	QTLs for earliness and yield-forming traits in the Lubuski-CamB barley RIL population under various water regimes. <i>Journal of Applied Genetics</i> , 2017, 58, 49-65.	1.9	46
16	Combined mass spectrometric and chromatographic methods for in-depth analysis of phenolic secondary metabolites in barley leaves. <i>Journal of Mass Spectrometry</i> , 2015, 50, 513-532.	1.6	44
17	Silver nanoparticles affect phenolic and phytoalexin composition of <i>Arabidopsis thaliana</i> . <i>Science of the Total Environment</i> , 2020, 716, 135361.	8.0	44
18	Chromosome pairing in allotetraploid hybrids of <i>Festuca pratensis</i> × <i>Lolium perenne</i> revealed by genomic in situ hybridization (GISH). <i>Chromosome Research</i> , 2008, 16, 575-585.	2.2	39

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19	Transcriptome-derived investigation of biosynthesis of quinolizidine alkaloids in narrow-leaved lupin ( <i>Lupinus angustifolius</i> L.) highlights candidate genes linked to iucundus locus. <i>Scientific Reports</i> , 2019, 9, 2231.	3.3	33
20	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry monitoring of anthocyanins in extracts from <i>Arabidopsis thaliana</i> leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3949-3956.	1.5	31
21	Prioritization of Candidate Genes in QTL Regions for Physiological and Biochemical Traits Underlying Drought Response in Barley ( <i>Hordeum vulgare</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 769.	3.6	31
22	Phloem Companion Cell-Specific Transcriptomic and Epigenomic Analyses Identify MRF1, a Regulator of Flowering. <i>Plant Cell</i> , 2019, 31, 325-345.	6.6	30
23	Current bioinformatic approaches to identify DNase I hypersensitive sites and genomic footprints from DNase-seq data. <i>Frontiers in Genetics</i> , 2012, 3, 230.	2.3	29
24	Identification of drought responsive proteins and related proteomic QTLs in barley. <i>Journal of Experimental Botany</i> , 2019, 70, 2823-2837.	4.8	28
25	Identification of Single Nucleotide Polymorphisms Associated with Brown Rust Resistance, $\alpha$ -Amylase Activity and Pre-harvest Sprouting in Rye ( <i>Secale cereale</i> L.). <i>Plant Molecular Biology Reporter</i> , 2017, 35, 366-378.	1.8	27
26	Gene expression evolution in pattern-triggered immunity within <i>Arabidopsis thaliana</i> and across Brassicaceae species. <i>Plant Cell</i> , 2021, 33, 1863-1887.	6.6	27
27	Plant expression, lyophilisation and storage of HBV medium and large surface antigens for a prototype oral vaccine formulation. <i>Plant Cell Reports</i> , 2012, 31, 585-595.	5.6	25
28	Comparison of the genetic additive effect estimators based on phenotypic observations and on molecular marker data. <i>Euphytica</i> , 2009, 165, 113-122.	1.2	22
29	Effect of drought stress on metabolite contents in barley recombinant inbred line population revealed by untargeted GC-MS profiling. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	22
30	Differential metabolic response of narrow leaved lupine ( <i>Lupinus angustifolius</i> ) leaves to infection with <i>Colletotrichum lupini</i> . <i>Metabolomics</i> , 2009, 5, 354-362.	3.0	21
31	Surfactant administration without intubation in preterm infants with respiratory distress syndrome – our experiences. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2015, 28, 1161-1164.	1.5	21
32	Implementation of less invasive surfactant administration in clinical practice – Experience of a mid-sized country. <i>PLoS ONE</i> , 2020, 15, e0235363.	2.5	21
33	Diversity of seed globulins in <i>Lathyrus sativus</i> L. and some related species. <i>Genetic Resources and Crop Evolution</i> , 2000, 47, 239-246.	1.6	18
34	A comparison of a traditional endotracheal tube versus ETVIEW SL in endotracheal intubation during different emergency conditions. <i>Medicine (United States)</i> , 2016, 95, e5170.	1.0	17
35	Genome-wide identification, characterisation and expression profiles of calcium-dependent protein kinase genes in barley ( <i>Hordeum vulgare</i> L.). <i>Journal of Applied Genetics</i> , 2017, 58, 11-22.	1.9	17
36	Constrained estimators of treatment parameters in semiparametric models. <i>Statistics and Probability Letters</i> , 2007, 77, 914-919.	0.7	16

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37	Analyzing the genotype-by-environment interactions under a randomization-derived mixed model. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2009, 14, 224-241.	1.4	16
38	Genomic structure and fertility in advanced breeding populations derived from an allotetraploid <i>Festuca pratensis</i> × <i>Lolium perenne</i> cross. <i>Plant Breeding</i> , 2011, 130, 476-480.	1.9	16
39	ScBx gene based association analysis of hydroxamate content in rye ( <i>Secale cereale</i> L.). <i>Journal of Applied Genetics</i> , 2017, 58, 1-9.	1.9	16
40	Micropropagation of transgenic lettuce containing HBsAg as a method of mass-scale production of standardised plant material for biofarming purposes. <i>Plant Cell Reports</i> , 2017, 36, 49-60.	5.6	16
41	Population Carrier Rates of Pathogenic ARSA Gene Mutations: Is Metachromatic Leukodystrophy Underdiagnosed?. <i>PLoS ONE</i> , 2011, 6, e20218.	2.5	16
42	Statistical methods for microarray assays. <i>Journal of Applied Genetics</i> , 2002, 43, 269-78.	1.9	16
43	Genome-dependent chromosome dynamics in three successive generations of the allotetraploid <i>Festuca pratensis</i> × <i>Lolium perenne</i> hybrid. <i>Protoplasma</i> , 2015, 252, 985-996.	2.1	15
44	Uncovering correlated variability in epigenomic datasets using the Karhunen-Loeve transform. <i>BioData Mining</i> , 2015, 8, 20.	4.0	15
45	Interactions between Glu-1 and Glu-3 loci and associations of selected molecular markers with quality traits in winter wheat ( <i>Triticum aestivum</i> L.) DH lines. <i>Journal of Applied Genetics</i> , 2017, 58, 37-48.	1.9	15
46	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. <i>PLoS ONE</i> , 2020, 15, e0222375.	2.5	15
47	AFLP-profiling of long-term stored and regenerated rye Genebank samples. <i>Cellular and Molecular Biology Letters</i> , 2002, 7, 457-63.	7.0	15
48	QTL mapping for benzoxazinoid content, preharvest sprouting, $\alpha$ -amylase activity, and leaf rust resistance in rye ( <i>Secale cereale</i> L.). <i>PLoS ONE</i> , 2017, 12, e0189912.	2.5	13
49	Title is missing!. <i>Genetic Resources and Crop Evolution</i> , 1999, 46, 261-266.	1.6	12
50	The association between maternal cervicovaginal proinflammatory cytokines concentrations during pregnancy and subsequent early-onset neonatal infection. <i>Journal of Perinatal Medicine</i> , 2006, 34, 371-7.	1.4	12
51	Simultaneous selection for yield-related traits and susceptibility to <i>Fusarium</i> head blight in spring wheat RIL population. <i>Breeding Science</i> , 2016, 66, 281-292.	1.9	12
52	FiO2 Before Surfactant, but Not Time to Surfactant, Affects Outcomes in Infants With Respiratory Distress Syndrome. <i>Frontiers in Pediatrics</i> , 2021, 9, 734696.	1.9	10
53	Premedication practices for less invasive surfactant administration “ results from a nationwide cohort study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 4750-4754.	1.5	10
54	An analysis of isozymic loci polymorphism in the core collection of the Polish <i>Pisum</i> genebank. <i>Genetic Resources and Crop Evolution</i> , 2000, 47, 583-590.	1.6	9

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55	Studies on genetic changes in rye samples ( <i>Secale cereale</i> L.) maintained in a seed bank. <i>Cellular and Molecular Biology Letters</i> , 2006, 11, 338-47.	7.0	9
56	Expression Profiles of Alkaloid-Related Genes across the Organs of Narrow-Leafed Lupin ( <i>Lupinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Sciences, 2021, 22, 2676.	4.1	9
57	High-throughput sequencing data revealed genotype-specific changes evoked by heat stress in crown tissue of barley <i>sdw1</i> near-isogenic lines. <i>BMC Genomics</i> , 2022, 23, 177.	2.8	9
58	The influence of <i>Glu-1</i> and <i>Glu-3</i> loci on dough rheology and bread-making properties in wheat ( <i>Triticum aestivum</i> L.) doubled haploid lines. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 5083-5091.	3.5	8
59	Cytogenetic and molecular genotyping in the allotetraploid <i>Festuca pratensis</i> × <i>Lolium perenne</i> hybrids. <i>BMC Genomics</i> , 2019, 20, 367.	2.8	8
60	Innovative transcriptome-based genotyping highlights environmentally responsive genes for phenology, growth and yield in a non-model grain legume. <i>Plant, Cell and Environment</i> , 2020, 43, 2680-2698.	5.7	8
61	Image Phenotyping of Spring Barley ( <i>Hordeum vulgare</i> L.) RIL Population Under Drought: Selection of Traits and Biological Interpretation. <i>Frontiers in Plant Science</i> , 2020, 11, 743.	3.6	8
62	Semantic concept schema of the linear mixed model of experimental observations. <i>Scientific Data</i> , 2020, 7, 70.	5.3	8
63	Diversity of seed albumins in the grasspea ( <i>Lathyrus sativus</i> L.): an electrophoretic study. <i>Genetic Resources and Crop Evolution</i> , 1998, 45, 423-430.	1.6	7
64	The Resistance of Narrow-Leafed Lupin to <i>Diaporthe toxica</i> Is Based on the Rapid Activation of Defense Response Genes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 574.	4.1	7
65	Evaluation of genetic structure in European wheat cultivars and advanced breeding lines using high-density genotyping-by-sequencing approach. <i>BMC Genomics</i> , 2021, 22, 81.	2.8	6
66	Identification of Rf Genes in Hexaploid Wheat ( <i>Triticum aestivum</i> L.) by RNA-Seq and Paralog Analyses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9146.	4.1	6
67	STRATEGIES OF USING SURFACTANT: RESULTS OF THE FIRST POLISH NATIONAL SURVEY OF DAILY PRACTICE. <i>Medycyna Wieku Rozwojowego</i> , 2015, 19, 271-6.	0.2	5
68	SKG4EOSC - Scholarly Knowledge Graphs for EOSC: Establishing a backbone of knowledge graphs for FAIR Scholarly Information in EOSC. <i>Research Ideas and Outcomes</i> , 0, 8, .	1.0	5
69	Barley varieties in semi-controlled and natural conditions: Response to water shortage and changing environment. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 295-308.	3.5	4
70	Phenolic Metabolites from Barley in Contribution to Phenome in soil Moisture Deficit. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6032.	4.1	4
71	Ascites in infants with severe sepsis ? treatment with peritoneal drainage. <i>Paediatric Anaesthesia</i> , 2006, 16, 1268-1273.	1.1	3
72	A successful defense of the narrow-leafed lupin against anthracnose involves quick and orchestrated reprogramming of oxidation-reduction, photosynthesis and pathogenesis-related genes. <i>Scientific Reports</i> , 2022, 12, 8164.	3.3	3

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73	Separation of Chromatographic Co-Eluted Compounds by Clustering and by Functional Data Analysis. <i>Metabolites</i> , 2021, 11, 214.	2.9	2
74	Antenatal corticosteroids and respiratory distress syndrome – the first Polish national survey. <i>Ginekologia Polska</i> , 2016, 87, 498-503.	0.7	1
75	Analysis of 4C-seq data: A comparison of methods. <i>Journal of Bioinformatics and Computational Biology</i> , 2020, 18, 2050001.	0.8	0
76	Polish network of research infrastructure for plant phenotyping. <i>Research Ideas and Outcomes</i> , 0, 7, .	1.0	0
77	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0
78	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0
79	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0
80	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0
81	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0
82	Mapping of quantitative trait loci for traits linked to fusarium head blight in barley. , 2020, 15, e0222375.		0