Heather Kirk

List of Publications by Year
in descending order

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27 papers	1,673 citations	394421 19 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	2463 citing authors

#	Article	IF	Citations
1	Assembling the 20 Gb white spruce (Picea glauca) genome from whole-genome shotgun sequencing data. Bioinformatics, 2013, 29, 1492-1497.	4.1	356
2	Applications and Implications of Neutral versus Non-neutral Markers in Molecular Ecology. International Journal of Molecular Sciences, 2011, 12, 3966-3988.	4.1	183
3	Expression Cloning of lfc, a Novel Oncogene with Structural Similarities to Guanine Nucleotide Exchange Factors and to the Regulatory Region of Protein Kinase C. Journal of Biological Chemistry, 1995, 270, 18388-18395.	3.4	163
4	Molecular genetics and genomics generate new insights into invertebrate pest invasions. Evolutionary Applications, 2013, 6, 842-856.	3.1	91
5	Longâ€distance dispersal and high genetic diversity are implicated in the invasive spread of the common reed, Phragmites australis (Poaceae), in northeastern North America. American Journal of Botany, 2011, 98, 1180-1190.	1.7	82
6	Expression Cloning of lsc, a Novel Oncogene with Structural Similarities to the Dbl Family of Guanine Nucleotide Exchange Factors. Journal of Biological Chemistry, 1996, 271, 18643-18650.	3.4	74
7	G2A is an oncogenic G protein-coupled receptor. Oncogene, 2000, 19, 3866-3877.	5.9	71
8	Species by Environment Interactions Affect Pyrrolizidine Alkaloid Expression in Senecio jacobaea, Senecio aquaticus, and Their Hybrids. Journal of Chemical Ecology, 2010, 36, 378-387.	1.8	66
9	Pyrrolizidine alkaloid variation in shoots and roots of segregating hybrids between Jacobaea vulgaris and Jacobaea aquatica. New Phytologist, 2011, 192, 1010-1023.	7.3	57
10	Natural hybridization between Senecio jacobaea and Senecio aquaticus: molecular and chemical evidence. Molecular Ecology, 2004, 13, 2267-2274.	3.9	54
11	Comparing metabolomes: the chemical consequences of hybridization in plants. New Phytologist, 2005, 167, 613-622.	7.3	54
12	Sources of erroneous sequences and artifact chimeric reads in next generation sequencing of genomic DNA from formalin-fixed paraffin-embedded samples. Nucleic Acids Research, 2019, 47, e12-e12.	14.5	50
13	Complete Mitochondrial Genome of a Gymnosperm, Sitka Spruce (Picea sitchensis), Indicates a Complex Physical Structure. Genome Biology and Evolution, 2020, 12, 1174-1179.	2.5	49
14	Molecular genetic data reveal hybridization between Typha angustifolia and Typha latifolia across a broad spatial scale in eastern North America. Aquatic Botany, 2011, 95, 189-193.	1.6	47
15	Maternal effects and heterosis influence the fitness of plant hybrids. New Phytologist, 2005, 166, 685-694.	7.3	40
16	Regional differences in the abundance of native, introduced, and hybrid Typha spp. in northeastern North America influence wetland invasions. Biological Invasions, 2013, 15, 2651-2665.	2.4	39
17	Intercontinental dispersal of Typha angustifolia and T. latifolia between Europe and North America has implications for Typha invasions. Biological Invasions, 2013, 15, 1377-1390.	2.4	36
18	The Relationship between Structurally Different Pyrrolizidine Alkaloids and Western Flower Thrips Resistance in F2 Hybrids of Jacobaea vulgaris and Jacobaea aquatica. Journal of Chemical Ecology, 2011, 37, 1071-1080.	1.8	26

#	Article	IF	Citations
19	Transgressive segregation of primary and secondary metabolites in F2 hybrids between Jacobaea aquatica and J. vulgaris. Metabolomics, 2012, 8, 211-219.	3.0	23
20	No evidence for niche segregation in a North American Cattail (Typha) species complex. Ecology and Evolution, 2012, 2, 952-961.	1.9	21
21	Can plant resistance to specialist herbivores be explained by plant chemistry or resource use strategy?. Oecologia, 2012, 168, 1043-1055.	2.0	18
22	Automated high throughput nucleic acid purification from formalin-fixed paraffin-embedded tissue samples for next generation sequence analysis. PLoS ONE, 2017, 12, e0178706.	2.5	18
23	Genetic diversity and differentiation of fragmented reedbeds (Phragmites australis) in the United Kingdom. Hydrobiologia, 2011, 665, 107-115.	2.0	17
24	Reproductive fitness of hybrids betweenSenecio jacobaeaandS. aquaticus(Asteraceae). American Journal of Botany, 2005, 92, 1467-1473.	1.7	14
25	Evaluation of protocols for rRNA depletion-based RNA sequencing of nanogram inputs of mammalian total RNA. PLoS ONE, 2019, 14, e0224578.	2.5	12
26	Increasing quality, throughput and speed of sample preparation for strand-specific messenger RNA sequencing. BMC Genomics, 2017, 18, 515.	2.8	8
27	Wholeâ€slide laser microdissection for tumour enrichment. Journal of Pathology, 2021, 253, 225-233.	4.5	4