

# Anne C Roulin

## List of Publications by Year in descending order

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28  
papers

1,723  
citations

516710

16  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Doubling genome size without polyploidization: Dynamics of retrotransposon-driven genomic expansions in <i>Oryza australiensis</i> , a wild relative of rice. <i>Genome Research</i> , 2006, 16, 1262-1269.	5.5	522
2	Extensive gene content variation in the <i>Brachypodium distachyon</i> pan-genome correlates with population structure. <i>Nature Communications</i> , 2017, 8, 2184.	12.8	269
3	The fate of duplicated genes in a polyploid plant genome. <i>Plant Journal</i> , 2013, 73, 143-153.	5.7	243
4	Evidence of multiple horizontal transfers of the long terminal repeat retrotransposon <i>RIRE1</i> within the genus <i>Oryza</i> . <i>Plant Journal</i> , 2008, 53, 950-959.	5.7	70
5	Transpositional landscape of the rice genome revealed by paired-end mapping of high-throughput resequencing data. <i>Plant Journal</i> , 2011, 66, 241-246.	5.7	62
6	Whole genome surveys of rice, maize and sorghum reveal multiple horizontal transfers of the LTR-retrotransposon <i>Route66</i> in Poaceae. <i>BMC Evolutionary Biology</i> , 2009, 9, 58.	3.2	61
7	Local adaptation of sex induction in a facultative sexual crustacean: insights from QTL mapping and natural populations of <i>Daphnia magna</i> . <i>Molecular Ecology</i> , 2013, 22, 3567-3579.	3.9	54
8	Recent Activity in Expanding Populations and Purifying Selection Have Shaped Transposable Element Landscapes across Natural Accessions of the Mediterranean Grass <i>Brachypodium distachyon</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 304-318.	2.5	54
9	A Photoreceptor Contributes to the Natural Variation of Diapause Induction in <i>Daphnia magna</i> . <i>Molecular Biology and Evolution</i> , 2016, 33, 3194-3204.	8.9	41
10	Pathogen-inducible <i>TaLr34res</i> expression in heterologous barley confers disease resistance without negative pleiotropic effects. <i>Plant Biotechnology Journal</i> , 2018, 16, 245-253.	8.3	39
11	Horizontal transfer of transposable elements in plants. <i>Communicative and Integrative Biology</i> , 2008, 1, 74-77.	1.4	35
12	Diversity, dynamics and effects of long terminal repeat retrotransposons in the model grass <i>Brachypodium distachyon</i> . <i>New Phytologist</i> , 2020, 227, 1736-1748.	7.3	33
13	Identification of specificity-defining amino acids of the wheat immune receptor Pm2 and powdery mildew effector AvrPm2. <i>Plant Journal</i> , 2021, 106, 993-1007.	5.7	25
14	Genome-wide scans of selection highlight the impact of biotic and abiotic constraints in natural populations of the model grass <i>Brachypodium distachyon</i> . <i>Plant Journal</i> , 2018, 96, 438-451.	5.7	24
15	High genetic variation in resting-stage production in a metapopulation: Is there evidence for local adaptation?. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2747-2756.	2.3	22
16	<i>Brachypodium</i> : 20 years as a grass biology model system; the way forward?. <i>Trends in Plant Science</i> , 2022, 27, 1002-1016.	8.8	21
17	Impact of Transposable Elements on Methylation and Gene Expression across Natural Accessions of <i>Brachypodium distachyon</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 1994-2001.	2.5	20
18	Combined effects of dietary polyunsaturated fatty acids and parasite exposure on eicosanoid-related gene expression in an invertebrate model. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 201, 115-123.	1.8	18

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19	Parasitism drives host genome evolution: Insights from the <i>Pasteuria ramosa</i> - <i>Daphnia magna</i> system. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1106-1113.	2.3	18
20	De Novo Transcriptome Hybrid Assembly and Validation in the European Earwig (Dermaptera, Forficula) <i>Tj ETQq0 0,0 rgBT /Overlock 10</i>	2.5	17
21	Genetic and Methylome Variation in Turkish <i>Brachypodium distachyon</i> Accessions Differentiate Two Geographically Distinct Subpopulations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6700.	4.1	14
22	Rare transposable elements challenge the prevailing view of transposition dynamics in plants. <i>American Journal of Botany</i> , 2021, 108, 1310-1314.	1.7	12
23	Migration without interbreeding: Evolutionary history of a highly selfing Mediterranean grass inferred from whole genomes. <i>Molecular Ecology</i> , 2022, 31, 70-85.	3.9	12
24	Experimentally heat-induced transposition increases drought tolerance in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2022, 236, 182-194.	7.3	12
25	Population genomics and haplotype analysis in spelt and bread wheat identifies a gene regulating glume color. <i>Communications Biology</i> , 2021, 4, 375.	4.4	11
26	Paleogenomic Analysis of the Short Arm of Chromosome 3 Reveals the History of the African and Asian Progenitors of Cultivated Rices. <i>Genome Biology and Evolution</i> , 2010, 2, 132-139.	2.5	4
27	Detecting Signatures of TE Polymorphisms in Short-Read Sequencing Data. <i>Methods in Molecular Biology</i> , 2021, 2250, 177-187.	0.9	1
28	Identification of Active Transposable Elements in Plants: The Mobilome-Seq Approach. <i>Methods in Molecular Biology</i> , 2021, 2250, 95-102.	0.9	1