

# Olivier Panaud

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

10,534  
citations

136950

32  
h-index

144013

57  
g-index

63  
all docs

63  
docs citations

63  
times ranked

12689  
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified classification system for eukaryotic transposable elements. <i>Nature Reviews Genetics</i> , 2007, 8, 973-982.	16.3	2,396
2	The banana ( <i>Musa acuminata</i> ) genome and the evolution of monocotyledonous plants. <i>Nature</i> , 2012, 488, 213-217.	27.8	1,049
3	Reference genome sequence of the model plant <i>Setaria</i> . <i>Nature Biotechnology</i> , 2012, 30, 555-561.	17.5	864
4	Genome analysis of the smallest free-living eukaryote <i>Ostreococcus tauri</i> unveils many unique features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11647-11652.	7.1	809
5	The genome of <i>Theobroma cacao</i> . <i>Nature Genetics</i> , 2011, 43, 101-108.	21.4	656
6	Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes <i>Micromonas</i> . <i>Science</i> , 2009, 324, 268-272.	12.6	591
7	Doubling genome size without polyploidization: Dynamics of retrotransposition-driven genomic expansions in <i>Oryza australiensis</i> , a wild relative of rice. <i>Genome Research</i> , 2006, 16, 1262-1269.	5.5	522
8	Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , 2018, 50, 285-296.	21.4	413
9	The genome sequence of African rice ( <i>Oryza glaberrima</i> ) and evidence for independent domestication. <i>Nature Genetics</i> , 2014, 46, 982-988.	21.4	342
10	Genome structure and metabolic features in the red seaweed <i>Chondrus crispus</i> shed light on evolution of the Archaeplastida. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5247-5252.	7.1	307
11	Oak genome reveals facets of long lifespan. <i>Nature Plants</i> , 2018, 4, 440-452.	9.3	303
12	The Rice Annotation Project Database (RAP-DB): 2008 update. <i>Nucleic Acids Research</i> , 2007, 36, D1028-D1033.	14.5	295
13	Widespread and frequent horizontal transfers of transposable elements in plants. <i>Genome Research</i> , 2014, 24, 831-838.	5.5	177
14	Comparative Genomic Paleontology across Plant Kingdom Reveals the Dynamics of TE-Driven Genome Evolution. <i>Genome Biology and Evolution</i> , 2013, 5, 954-965.	2.5	148
15	LTR retrotransposons in rice ( <i>Oryza sativa</i> , L.): recent burst amplifications followed by rapid DNA loss. <i>BMC Genomics</i> , 2007, 8, 218.	2.8	134
16	Sequencing the extrachromosomal circular mobilome reveals retrotransposon activity in plants. <i>PLoS Genetics</i> , 2017, 13, e1006630.	3.5	118
17	Retrotranspositional landscape of Asian rice revealed by 3000 genomes. <i>Nature Communications</i> , 2019, 10, 24.	12.8	102
18	Evolutionary dynamics of an ancient retrotransposon family provides insights into evolution of genome size in the genus <i>Oryza</i> . <i>Plant Journal</i> , 2007, 52, 342-351.	5.7	99

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19	Abiotic stress and genome dynamics: specific genes and transposable elements response to iron excess in rice. <i>Rice</i> , 2015, 8, 13.	4.0	87
20	RiTE database: a resource database for genus-wide rice genomics and evolutionary biology. <i>BMC Genomics</i> , 2015, 16, 538.	2.8	86
21	Title is missing!. <i>Euphytica</i> , 2001, 120, 143-157.	1.2	83
22	Plant root transcriptome profiling reveals a strain-dependent response during <i>Azospirillum</i> -rice cooperation. <i>Frontiers in Plant Science</i> , 2014, 5, 607.	3.6	74
23	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
24	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
25	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
26	Identification of an active LTR retrotransposon in rice. <i>Plant Journal</i> , 2009, 58, 754-765.	5.7	60
27	RetrOryza: a database of the rice LTR-retrotransposons. <i>Nucleic Acids Research</i> , 2007, 35, D66-D70.	14.5	53
28	The impact of transposable elements on the structure, evolution and function of the rice genome. <i>New Phytologist</i> , 2020, 226, 44-49.	7.3	51
29	A Genetic Model for the Female Sterility Barrier Between Asian and African Cultivated Rice Species. <i>Genetics</i> , 2010, 185, 1425-1440.	2.9	46
30	Reply: A unified classification system for eukaryotic transposable elements should reflect their phylogeny. <i>Nature Reviews Genetics</i> , 2009, 10, 276-276.	16.3	41
31	Detection of active transposable elements in <i>Arabidopsis thaliana</i> using Oxford Nanopore Sequencing technology. <i>BMC Genomics</i> , 2017, 18, 537.	2.8	39
32	Horizontal transfers of transposable elements in eukaryotes: The flying genes. <i>Comptes Rendus - Biologies</i> , 2016, 339, 296-299.	0.2	38
33	Horizontal transfer of transposable elements in plants. <i>Communicative and Integrative Biology</i> , 2008, 1, 74-77.	1.4	35
34	A new approach for annotation of transposable elements using small RNA mapping. <i>Nucleic Acids Research</i> , 2015, 43, e84-e84.	14.5	28
35	Use of non-radioactive digoxigenin-labeled DNA probes for RFLP analysis in rice. <i>Plant Molecular Biology Reporter</i> , 1990, 8, 167-171.	1.8	26
36	Assessment of genetic relationships among sexual and asexual forms of <i>Allium cepa</i> using morphological traits and RAPD markers. <i>Heredity</i> , 1997, 78, 403-409.	2.6	26

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37	A protocol for non-radioactive DNA labelling and detection in the RFLP analysis of rice and tomato using single-copy probes. <i>Plant Molecular Biology Reporter</i> , 1993, 11, 54-59.	1.8	24
38	QTL Mapping Combined With Comparative Analyses Identified Candidate Genes for Reduced Shattering in <i>Setaria italica</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 918.	3.6	22
39	Exploration of intra- and inter-population genetic diversity in <i>Hedysarum coronarium</i> L. by AFLP markers. <i>Genetic Resources and Crop Evolution</i> , 2005, 52, 277-284.	1.6	19
40	Horizontal Gene Transfers in Plants. <i>Life</i> , 2021, 11, 857.	2.4	18
41	Evolution of Plant Phenotypes, from Genomes to Traits. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 775-778.	1.8	16
42	Amplification dynamics of miniature inverted repeat transposable elements and their impact on rice trait variability. <i>Plant Journal</i> , 2021, 107, 118-135.	5.7	16
43	The molecular bases of cereal domestication and the history of rice. <i>Comptes Rendus - Biologies</i> , 2009, 332, 267-272.	0.2	15
44	Title is missing!. <i>Euphytica</i> , 2002, 128, 301-305.	1.2	11
45	Spip and Squiq, two novel rice non-autonomous LTR retro-element families related to RIRE3 and RIRE8. <i>Plant Science</i> , 2007, 172, 8-19.	3.6	11
46	Diverse and mobile: <i>eccDNA</i> -based identification of carrot low-copy number LTR retrotransposons active in callus cultures. <i>Plant Journal</i> , 2022, 110, 1811-1828.	5.7	11
47	Diversity of the Ty-1 copia retrotransposon Tos17 in rice ( <i>Oryza sativa</i> L.) and the AA genome of the <i>Oryza</i> genus. <i>Molecular Genetics and Genomics</i> , 2009, 282, 633-652.	2.1	10
48	Use of Next Generation Sequencing (NGS) Technologies for the Genome-Wide Detection of Transposition. <i>Methods in Molecular Biology</i> , 2013, 1057, 265-274.	0.9	9
49	Transposable Element Dynamics in Rice and Its Wild Relatives. , 2013, , 55-69.		9
50	Characterization of the complete plastome of <i>Ophrys aveyronensis</i> , a Euro-Mediterranean orchid with an intriguing disjunct geographic distribution. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3256-3257.	0.4	8
51	Construction and characterization of a knock-down RNA interference line of <i>OsNRPD1</i> in rice ( <i>Oryza sativa</i> L.). <i>Journal of Agricultural and Biological Sciences</i> , 2020, 375, 20190338.	0.784314	8
52	RDA derived <i>Oryza minuta</i> -specific clones to probe genomic conservation across <i>Oryza</i> and introgression into rice ( <i>O. sativa</i> L.). <i>Euphytica</i> , 2010, 176, 269-279.	1.2	6
53	Identification of high-copy number long terminal repeat retrotransposons and their expansion in <i>Phalaenopsis</i> orchids. <i>BMC Genomics</i> , 2020, 21, 807.	2.8	5
54	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

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55	Genome-Wide Analysis of Transposition Using Next Generation Sequencing Technologies. Topics in Current Genetics, 2012, , 59-70.	0.7	3
56	Whole plastid genome-based phylogenomics supports an inner placement of the O. <i>insectifera</i> group rather than a basal position in the rapidly diversifying <i>Ophrys</i> genus (Orchidaceae). Botany Letters, 2021, 168, 452-457.	1.4	2
57	Horizontal Transfers and the New Model of TE-Driven Genome Evolution in Eukaryotes. , 2015, , 77-92.		1
58	The ecology of the genome and the dynamics of the biological dark matter. Journal of Theoretical Biology, 2021, 518, 110641.	1.7	0