

# Nathalie N Picault

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

2,860  
citations

623734

14  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis SGS2 and SGS3 Genes Are Required for Posttranscriptional Gene Silencing and Natural Virus Resistance. <i>Cell</i> , 2000, 101, 533-542.	28.9	999
2	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
3	Oak genome reveals facets of long lifespan. <i>Nature Plants</i> , 2018, 4, 440-452.	9.3	303
4	The growing family of mitochondrial carriers in Arabidopsis. <i>Trends in Plant Science</i> , 2004, 9, 138-146.	8.8	184
5	Widespread and frequent horizontal transfers of transposable elements in plants. <i>Genome Research</i> , 2014, 24, 831-838.	5.5	177
6	Identification of a Novel Transporter for Dicarboxylates and Tricarboxylates in Plant Mitochondria. <i>Journal of Biological Chemistry</i> , 2002, 277, 24204-24211.	3.4	140
7	Molecular identification of three <i>Arabidopsis thaliana</i> mitochondrial dicarboxylate carrier isoforms: organ distribution, bacterial expression, reconstitution into liposomes and functional characterization. <i>Biochemical Journal</i> , 2008, 410, 621-629.	3.7	122
8	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
9	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
10	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
11	Identification of an active LTR retrotransposon in rice. <i>Plant Journal</i> , 2009, 58, 754-765.	5.7	60
12	Large tandem duplications affect gene expression, 3D organization, and plant pathogen response. <i>Genome Research</i> , 2020, 30, 1583-1592.	5.5	31
13	Isolation and characterisation of a bacterial strain degrading the herbicide sulcotrione from an agricultural soil. <i>Pest Management Science</i> , 2012, 68, 340-347.	3.4	21
14	Ribosomal RNA genes shape chromatin domains associating with the nucleolus. <i>Nucleus</i> , 2019, 10, 67-72.	2.2	18
15	The Evolutionary Volte-Face of Transposable Elements: From Harmful Jumping Genes to Major Drivers of Genetic Innovation. <i>Cells</i> , 2021, 10, 2952.	4.1	15
16	Nucleolus-associated chromatin domains are maintained under heat stress, despite nucleolar reorganization in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2020, 133, 463-470.	2.4	13
17	The plant mobile domain proteins MAIN and MAIL1 interact with the phosphatase PP7L to regulate gene expression and silence transposable elements in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2020, 16, e1008324.	3.5	13
18	Transport of antimony salts by <i>Arabidopsis thaliana</i> protoplasts over-expressing the human multidrug resistance-associated protein 1 (MRP1/ABCC1). <i>FEBS Letters</i> , 2006, 580, 6891-6897.	2.8	9

#	ARTICLE	IF	CITATIONS
19	ANCHOR: A Technical Approach to Monitor Single-Copy Locus Localization in Planta. <i>Frontiers in Plant Science</i> , 2021, 12, 677849.	3.6	6
20	Plant Mitochondrial Carriers. <i>Advances in Photosynthesis and Respiration</i> , 2004, , 247-275.	1.0	4