

# Alexander Knoll

## List of Publications by Year in descending order

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17  
papers

633  
citations

687363

13  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

708  
citing authors

#	ARTICLE	IF	CITATIONS
1	The RecQ-like helicase HRQ1 is involved in DNA crosslink repair in Arabidopsis in a common pathway with the Fanconi anemia-associated nuclease FAN1 and the postreplicative repair ATPase RAD5A. <i>New Phytologist</i> , 2018, 218, 1478-1490.	7.3	18
2	The topoisomerase 3 $\beta$ zinc-finger domain T1 of Arabidopsis thaliana is required for targeting the enzyme activity to Holliday junction-like DNA repair intermediates. <i>PLoS Genetics</i> , 2018, 14, e1007674.	3.5	17
3	The RTR Complex Partner RMI2 and the DNA Helicase RTEL1 Are Both Independently Involved in Preserving the Stability of 45S rDNA Repeats in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2016, 12, e1006394.	3.5	29
4	The nuclease FAN1 is involved in DNA crosslink repair in Arabidopsis thaliana independently of the nuclease MUS81. <i>Nucleic Acids Research</i> , 2015, 43, 3653-3666.	14.5	14
5	The <i>Arabidopsis thaliana</i> Homolog of the Helicase RTEL1 Plays Multiple Roles in Preserving Genome Stability. <i>Plant Cell</i> , 2015, 26, 4889-4902.	6.6	40
6	The translesion polymerase $\eta$ has roles dependent and independent of the nuclease MUS81 and the helicase RECQ4A in DNA damage repair in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, pp.00806.2015.	4.8	13
7	Defining the roles of the N-terminal region and the helicase activity of RECQ4A in DNA repair and homologous recombination in Arabidopsis. <i>Nucleic Acids Research</i> , 2014, 42, 1684-1697.	14.5	34
8	The RTR complex as caretaker of genome stability and its unique meiotic function in plants. <i>Frontiers in Plant Science</i> , 2014, 5, 33.	3.6	27
9	Nucleus and Genome: DNA Recombination and Repair. , 2014, , 1-37.		4
10	MHF 1 plays Fanconi anemia complementation group M protein ( FANCM )-dependent and FANCM -independent roles in DNA repair and homologous recombination in plants. <i>Plant Journal</i> , 2014, 78, 822-833.	5.7	19
11	DNA recombination in somatic plant cells: mechanisms and evolutionary consequences. <i>Chromosome Research</i> , 2014, 22, 191-201.	2.2	83
12	DNA Repair and Recombination in Plants. , 2014, , 51-93.		4
13	Different functions for the domains of the Arabidopsis thaliana RMI1 protein in DNA cross-link repair, somatic and meiotic recombination. <i>Nucleic Acids Research</i> , 2013, 41, 9349-9360.	14.5	25
14	The Fanconi Anemia Ortholog FANCM Ensures Ordered Homologous Recombination in Both Somatic and Meiotic Cells in Arabidopsis. <i>Plant Cell</i> , 2012, 24, 1448-1464.	6.6	94
15	The role of DNA helicases and their interaction partners in genome stability and meiotic recombination in plants. <i>Journal of Experimental Botany</i> , 2011, 62, 1565-1579.	4.8	73
16	Identification, isolation and characterization of a CC-NBS-LRR candidate disease resistance gene family in grapevine. <i>Molecular Breeding</i> , 2008, 22, 421-432.	2.1	55
17	Topoisomerase 3 $\beta$ and RMI1 Suppress Somatic Crossovers and Are Essential for Resolution of Meiotic Recombination Intermediates in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2008, 4, e1000285.	3.5	84