Alexander Knoll

List of Publications by Year
in descending order

17	633	687363 13	996975 15
papers	citations	h-index	g-index

17	17	17	708
all docs	docs citations	times ranked	citing authors

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