

Matthew J Neale

List of Publications by Year in descending order

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23
papers

3,443
citations

394421

19
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

3197
citing authors

#	ARTICLE	IF	CITATIONS
1	Endonucleolytic processing of covalent protein-linked DNA double-strand breaks. <i>Nature</i> , 2005, 436, 1053-1057.	27.8	536
2	A Hierarchical Combination of Factors Shapes the Genome-wide Topography of Yeast Meiotic Recombination Initiation. <i>Cell</i> , 2011, 144, 719-731.	28.9	520
3	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. <i>Molecular Cell</i> , 2014, 53, 7-18.	9.7	466
4	Clarifying the mechanics of DNA strand exchange in meiotic recombination. <i>Nature</i> , 2006, 442, 153-158.	27.8	383
5	Bidirectional resection of DNA double-strand breaks by Mre11 and Exo1. <i>Nature</i> , 2011, 479, 241-244.	27.8	373
6	Distinct Requirements for the Rad3/Mre11 Nuclease and Ctp1/CtIP in the Removal of Covalently Bound Topoisomerase I and II from DNA. <i>Molecular Cell</i> , 2009, 33, 117-123.	9.7	170
7	Tel1/ATM-mediated interference suppresses clustered meiotic double-strand-break formation. <i>Nature</i> , 2015, 520, 114-118.	27.8	150
8	Interactions between Mei4, Rec114, and other proteins required for meiotic DNA double-strand break formation in <i>Saccharomyces cerevisiae</i> . <i>Chromosoma</i> , 2007, 116, 471-486.	2.2	126
9	Principles of meiotic chromosome assembly revealed in <i>S. cerevisiae</i> . <i>Nature Communications</i> , 2019, 10, 4795.	12.8	88
10	Positive regulation of meiotic DNA double-strand break formation by activation of the DNA damage checkpoint kinase Mec1(ATR). <i>Open Biology</i> , 2013, 3, 130019.	3.6	65
11	Homeostatic regulation of meiotic DSB formation by ATM/ATR. <i>Experimental Cell Research</i> , 2014, 329, 124-131.	2.6	64
12	Regulatory control of DNA end resection by Sae2 phosphorylation. <i>Nature Communications</i> , 2018, 9, 4016.	12.8	64
13	A nucleotide resolution map of Top2-linked DNA breaks in the yeast and human genome. <i>Nature Communications</i> , 2019, 10, 4846.	12.8	64
14	Wild-Type Levels of Spo11-Induced DSBs Are Required for Normal Single-Strand Resection during Meiosis. <i>Molecular Cell</i> , 2002, 9, 835-846.	9.7	58
15	Meiotic DSB patterning: A multifaceted process. <i>Cell Cycle</i> , 2016, 15, 13-21.	2.6	53
16	Convergent genes shape budding yeast pericentromeres. <i>Nature</i> , 2020, 582, 119-123.	27.8	50
17	Concerted cutting by Spo11 illuminates meiotic DNA break mechanics. <i>Nature</i> , 2021, 594, 572-576.	27.8	34
18	End-Labeling and Analysis of Spo11-Oligonucleotide Complexes in <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2009, 557, 183-195.	0.9	29

#	ARTICLE	IF	CITATIONS
19	Excess Single-Stranded DNA Inhibits Meiotic Double-Strand Break Repair. <i>PLoS Genetics</i> , 2007, 3, e223.	3.5	25
20	Meiosis and beyond – understanding the mechanistic and evolutionary processes shaping the germline genome. <i>Biological Reviews</i> , 2021, 96, 822-841.	10.4	25
21	Evidence that MEK1 positively promotes interhomologue double-strand break repair. <i>Nucleic Acids Research</i> , 2010, 38, 4349-4360.	14.5	19
22	PRDM9 points the zinc finger at meiotic recombination hotspots. <i>Genome Biology</i> , 2010, 11, 104.	9.6	19
23	Telomerase subunit Est2 marks internal sites that are prone to accumulate DNA damage. <i>BMC Biology</i> , 2021, 19, 247.	3.8	4