

Giora Simchen

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,656
citations

361413

20
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

933
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | IME1, a positive regulator gene of meiosis in <i>S. cerevisiae</i> . <i>Cell</i> , 1988, 52, 853-862. | 28.9 | 316 |
| 2 | REGULATION OF MATING AND MEIOSIS IN YEAST BY THE MATING-TYPE REGION. <i>Genetics</i> , 1976, 82, 187-206. | 2.9 | 179 |
| 3 | [6] Monitoring meiosis and sporulation in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , 1991, 194, 94-110. | 1.0 | 127 |
| 4 | Sister chromatid-based DNA repair is mediated by RAD54, not by DMC1 or TID1. <i>EMBO Journal</i> , 1999, 18, 2648-2658. | 7.8 | 122 |
| 5 | Multiple and Distinct Activation and Repression Sequences Mediate the Regulated Transcription of <i>IME1</i> , a Transcriptional Activator of Meiosis-Specific Genes in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1998, 18, 1985-1995. | 2.3 | 75 |
| 6 | Meiotic Recombination Intermediates Are Resolved with Minimal Crossover Formation during Return-to-Growth, an Analogue of the Mitotic Cell Cycle. <i>PLoS Genetics</i> , 2011, 7, e1002083. | 3.5 | 68 |
| 7 | Switching yeast from meiosis to mitosis: double-strand break repair, recombination and synaptonemal complex. <i>Genes To Cells</i> , 1997, 2, 487-498. | 1.2 | 65 |
| 8 | What determines whether chromosomes segregate reductionally or equationally in meiosis?. <i>BioEssays</i> , 1993, 15, 1-8. | 2.5 | 63 |
| 9 | Modulation of the transcription regulatory program in yeast cells committed to sporulation. <i>Genome Biology</i> , 2006, 7, R20. | 9.6 | 63 |
| 10 | Patterns of meiotic double-strand breakage on native and artificial yeast chromosomes. <i>Chromosoma</i> , 1996, 105, 276-284. | 2.2 | 52 |
| 11 | Mating systems and population structure in two closely related species of the wheat group I. Variation between and within populations. <i>Heredity</i> , 1973, 30, 141-167. | 2.6 | 50 |
| 12 | Cloning and mapping of CDC40, a <i>Saccharomyces cerevisiae</i> gene with a role in DNA repair. <i>Current Genetics</i> , 1985, 9, 253-257. | 1.7 | 50 |
| 13 | MEIOTIC RECOMBINATION AND DNA SYNTHESIS IN A NEW CELL CYCLE MUTANT OF <i>SACCHAROMYCES CEREVISIAE</i> . <i>Genetics</i> , 1978, 90, 49-68. | 2.9 | 47 |
| 14 | Recombination and hydroxyurea inhibition of DNA synthesis in yeast meiosis. <i>Molecular Genetics and Genomics</i> , 1976, 144, 21-27. | 2.4 | 46 |
| 15 | Commitment to meiosis: what determines the mode of division in budding yeast?. <i>BioEssays</i> , 2009, 31, 169-177. | 2.5 | 45 |
| 16 | Regulation of the RAD6 gene of <i>Saccharomyces cerevisiae</i> in the mitotic cell cycle and in meiosis. <i>Molecular Genetics and Genomics</i> , 1986, 203, 538-543. | 2.4 | 33 |
| 17 | Arrest of the mitotic cell cycle and of meiosis in <i>Saccharomyces cerevisiae</i> by MMS. <i>Molecular Genetics and Genomics</i> , 1985, 201, 558-564. | 2.4 | 31 |
| 18 | Cloning and mapping of the RAD50 gene of <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1984, 193, 525-531. | 2.4 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Meiotic double-strand breaks in <i>Schizosaccharomyces pombe</i> . <i>Current Genetics</i> , 2000, 38, 33-38. | 1.7 | 26 |
| 20 | Elevated recombination and pairing structures during meiotic arrest in yeast of the nuclear division mutant <i>cdc5</i> . <i>Molecular Genetics and Genomics</i> , 1981, 184, 46-51. | 2.4 | 24 |
| 21 | Mammalian meiosis involves DNA double-strand breaks with 3' overhangs. <i>Chromosoma</i> , 2003, 111, 369-376. | 2.2 | 22 |
| 22 | DNA degradation and reduced recombination following UV irradiation during meiosis in yeast (<i>Saccharomyces cerevisiae</i>). <i>Molecular Genetics and Genomics</i> , 1976, 146, 55-59. | 2.4 | 20 |
| 23 | Elevated Mutagenicity in Meiosis and Its Mechanism. <i>BioEssays</i> , 2019, 41, e1800235. | 2.5 | 20 |
| 24 | A <i>Candida albicans</i> homolog of CDC25 is functional in <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 1993, 213, 195-204. | 0.2 | 14 |
| 25 | Adenylyl cyclase activity of the fission yeast <i>Schizosaccharomyces pombe</i> is not regulated by guanylyl nucleotides. <i>FEBS Letters</i> , 1990, 261, 413-418. | 2.8 | 13 |
| 26 | Trans-Lesion DNA Polymerases May Be Involved in Yeast Meiosis. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 633-644. | 1.8 | 13 |
| 27 | Sectoring and recombination in illegitimate di-mon matings of <i>Schizophyllum commune</i> . <i>Heredity</i> , 1972, 29, 191-201. | 2.6 | 10 |
| 28 | MUTATIONS LEADING TO EXPRESSION OF THE CRYPTIC HMR α LOCUS IN THE YEAST <i>SACCHAROMYCES CEREVISIAE</i> . <i>Genetics</i> , 1985, 109, 481-492. | 2.9 | 9 |
| 29 | Structure of DNA molecules in yeast meiosis. <i>Nature</i> , 1975, 257, 64-66. | 27.8 | 7 |
| 30 | Patterns of meiotic double-strand breakage on native and artificial yeast chromosomes. <i>Chromosoma</i> , 1996, 105, 276-284. | 2.2 | 5 |
| 31 | Frequent Meiotic Recombination Between the Ends of Truncated Chromosome Fragments of <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1999, 153, 1583-1590. | 2.9 | 5 |
| 32 | Timing of appearance of new mutations during yeast meiosis and their association with recombination. <i>Current Genetics</i> , 2020, 66, 577-592. | 1.7 | 4 |
| 33 | Mutagenicity in haploid yeast meiosis resulting from repair of DSBs by the sister chromatid. <i>Current Genetics</i> , 2021, 67, 799-806. | 1.7 | 3 |