

Sergio Moreno

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

12,711

citations

41

h-index

89

g-index

89

ext. papers

13,834

ext. citations

12.6

avg, IF

5.82

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 83 | RNA-Binding Protein Rnc1 Regulates Cell Length at Division and Acute Stress Response in Fission Yeast through Negative Feedback Modulation of the Stress-Activated Mitogen-Activated Protein Kinase Pathway. <i>MBio</i> , 2020 , 11, | 7.8 | 5 |
| 82 | Down-regulation of Cdk1 activity in G1 coordinates the G1/S gene expression programme with genome replication. <i>Current Genetics</i> , 2019 , 65, 685-690 | 2.9 | 6 |
| 81 | Greatwall-Endosulfine: A Molecular Switch that Regulates PP2A/B55 Protein Phosphatase Activity in Dividing and Quiescent Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 4 |
| 80 | Nutritional cell cycle reprogramming reveals that inhibition of Cdk1 is required for proper MBF-dependent transcription. <i>Journal of Cell Science</i> , 2018 , 131, | 5.3 | 5 |
| 79 | Specific detection of fission yeast primary septum reveals septum and cleavage furrow ingression during early anaphase independent of mitosis completion. <i>PLoS Genetics</i> , 2018 , 14, e1007388 | 6 | 12 |
| 78 | Shortage of dNTPs underlies altered replication dynamics and DNA breakage in the absence of the APC/C cofactor Cdh1. <i>Oncogene</i> , 2017 , 36, 5808-5818 | 9.2 | 11 |
| 77 | Coupling TOR to the Cell Cycle by the Greatwall-Endosulfine-PP2A-B55 Pathway. <i>Biomolecules</i> , 2017 , 7, | 5.9 | 16 |
| 76 | Nutritional Control of Cell Size by the Greatwall-Endosulfine-PP2A/B55 Pathway. <i>Current Biology</i> , 2016 , 26, 319-30 | 6.3 | 63 |
| 75 | Fission Yeast Cell Cycle Synchronization Methods. <i>Methods in Molecular Biology</i> , 2016 , 1369, 293-308 | 1.4 | 8 |
| 74 | Chromosome segregation and organization are targets of 5'-Fluorouracil in eukaryotic cells. <i>Cell Cycle</i> , 2015 , 14, 206-18 | 4.7 | 8 |
| 73 | Trabectedin 2015 , 1-5 | | |
| 72 | The APC/C activator FZR1 is essential for meiotic prophase I in mice. <i>Development (Cambridge)</i> , 2014 , 141, 1354-65 | 6.6 | 18 |
| 71 | Npl3, a new link between RNA-binding proteins and the maintenance of genome integrity. <i>Cell Cycle</i> , 2014 , 13, 1524-9 | 4.7 | 7 |
| 70 | The E3 ubiquitin ligase APC/C-Cdh1 coordinates neurogenesis and cortical size during development. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S4-5 | 7.8 | 3 |
| 69 | Multiple functions of the noncanonical Wnt pathway. <i>Trends in Genetics</i> , 2013 , 29, 545-53 | 8.5 | 97 |
| 68 | APC/C-Cdh1 coordinates neurogenesis and cortical size during development. <i>Nature Communications</i> , 2013 , 4, 2879 | 17.4 | 56 |
| 67 | Reduced chromosome cohesion measured by interkinetochore distance is associated with aneuploidy even in oocytes from young mice. <i>Biology of Reproduction</i> , 2013 , 88, 31 | 3.9 | 20 |

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|----|--|------|-----|
| 66 | The Npl3 hnRNP prevents R-loop-mediated transcription-replication conflicts and genome instability. <i>Genes and Development</i> , 2013 , 27, 2445-58 | 12.6 | 61 |
| 65 | New insights into the RNA-based mechanism of action of the anticancer drug 5'-fluorouracil in eukaryotic cells. <i>PLoS ONE</i> , 2013 , 8, e78172 | 3.7 | 27 |
| 64 | The Vam6 and Gtr1-Gtr2 pathway activates TORC1 in response to amino acids in fission yeast. <i>Journal of Cell Science</i> , 2012 , 125, 1920-8 | 5.3 | 45 |
| 63 | The APC activator fizzy-related-1 (FZR1) is needed for preimplantation mouse embryo development. <i>Journal of Cell Science</i> , 2012 , 125, 6030-7 | 5.3 | 8 |
| 62 | Fission yeast TORC1 prevents eIF2 β phosphorylation in response to nitrogen and amino acids via Gcn2 kinase. <i>Journal of Cell Science</i> , 2012 , 125, 5955-9 | 5.3 | 31 |
| 61 | APC(FZR1) prevents nondisjunction in mouse oocytes by controlling meiotic spindle assembly timing. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3970-81 | 3.5 | 27 |
| 60 | Chemical inactivation of Pat1: a novel approach to synchronize meiosis. <i>Cell Cycle</i> , 2012 , 11, 1875 | 4.7 | 1 |
| 59 | AMPK phosphorylation by Ssp1 is required for proper sexual differentiation in fission yeast. <i>Journal of Cell Science</i> , 2012 , 125, 2655-64 | 5.3 | 23 |
| 58 | Loss of the RhoGAP SRGP-1 promotes the clearance of dead and injured cells in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2011 , 13, 79-86 | 23.4 | 45 |
| 57 | Lsm1 promotes genomic stability by controlling histone mRNA decay. <i>EMBO Journal</i> , 2011 , 30, 2008-18 | 13 | 42 |
| 56 | Functional interactions of Rec24, the fission yeast ortholog of mouse Mei4, with the meiotic recombination-initiation complex. <i>Journal of Cell Science</i> , 2011 , 124, 1328-38 | 5.3 | 18 |
| 55 | Disruption of the ATP-binding cassette B7 (ABTM-1/ABCB7) induces oxidative stress and premature cell death in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 21304-14 | 5.4 | 23 |
| 54 | The APC/C activator FZR1 coordinates the timing of meiotic resumption during prophase I arrest in mammalian oocytes. <i>Development (Cambridge)</i> , 2011 , 138, 905-13 | 6.6 | 45 |
| 53 | TOR and PKA pathways synergize at the level of the Ste11 transcription factor to prevent mating and meiosis in fission yeast. <i>PLoS ONE</i> , 2010 , 5, e11514 | 3.7 | 21 |
| 52 | ccz-1 mediates the digestion of apoptotic corpses in <i>C. elegans</i> . <i>Journal of Cell Science</i> , 2010 , 123, 2001-5 | 5.3 | 27 |
| 51 | Role of mitogen-activated protein kinase Sty1 in regulation of eukaryotic initiation factor 2 α kinases in response to environmental stress in <i>Schizosaccharomyces pombe</i> . <i>Eukaryotic Cell</i> , 2010 , 9, 194-207 | | 19 |
| 50 | Targeting mitotic exit leads to tumor regression in vivo: Modulation by Cdk1, Mastl, and the PP2A/B55 β phosphatase. <i>Cancer Cell</i> , 2010 , 18, 641-54 | 24.3 | 164 |
| 49 | Retinoic acid downregulates Rae1 leading to APC(Cdh1) activation and neuroblastoma SH-SY5Y differentiation. <i>Oncogene</i> , 2008 , 27, 3339-44 | 9.2 | 50 |

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|----|--|------|------|
| 48 | Genomic stability and tumour suppression by the APC/C cofactor Cdh1. <i>Nature Cell Biology</i> , 2008 , 10, 802-11 | 23.4 | 293 |
| 47 | Rec25 and Rec27, novel linear-element components, link cohesin to meiotic DNA breakage and recombination. <i>Current Biology</i> , 2008 , 18, 849-54 | 6.3 | 41 |
| 46 | Slk1 is a meiosis-specific Sid2-related kinase that coordinates meiotic nuclear division with growth of the forespore membrane. <i>Journal of Cell Science</i> , 2008 , 121, 1383-92 | 5.3 | 19 |
| 45 | The fission yeast meiotic checkpoint kinase Mek1 regulates nuclear localization of Cdc25 by phosphorylation. <i>Cell Cycle</i> , 2008 , 7, 3720-30 | 4.7 | 10 |
| 44 | PAR proteins direct asymmetry of the cell cycle regulators Polo-like kinase and Cdc25. <i>Journal of Cell Biology</i> , 2008 , 180, 877-85 | 7.3 | 65 |
| 43 | Levels of SCS7/FA2H-mediated fatty acid 2-hydroxylation determine the sensitivity of cells to antitumor PM02734. <i>Cancer Research</i> , 2008 , 68, 9779-87 | 10.1 | 45 |
| 42 | Modified Cell Cycle Regulation in Meiosis 2007 , 307-353 | | 5 |
| 41 | The fission yeast APC activator Ste9 is regulated by mRNA decay. <i>Cell Cycle</i> , 2006 , 5, 865-8 | 4.7 | 3 |
| 40 | Cross-talk between nucleotide excision and homologous recombination DNA repair pathways in the mechanism of action of antitumor trabectedin. <i>Cancer Research</i> , 2006 , 66, 8155-62 | 10.1 | 140 |
| 39 | Fission yeast Tor2 promotes cell growth and represses cell differentiation. <i>Journal of Cell Science</i> , 2006 , 119, 4475-85 | 5.3 | 111 |
| 38 | Etd1p is a novel protein that links the SIN cascade with cytokinesis. <i>EMBO Journal</i> , 2005 , 24, 2436-46 | 13 | 23 |
| 37 | A large-scale screen in <i>S. pombe</i> identifies seven novel genes required for critical meiotic events. <i>Current Biology</i> , 2005 , 15, 2056-62 | 6.3 | 91 |
| 36 | Cdh1/Hct1-APC is essential for the survival of postmitotic neurons. <i>Journal of Neuroscience</i> , 2005 , 25, 8115-21 | 6.6 | 120 |
| 35 | A role for the Cdc14-family phosphatase Flp1p at the end of the cell cycle in controlling the rapid degradation of the mitotic inducer Cdc25p in fission yeast. <i>Journal of Cell Science</i> , 2004 , 117, 2461-8 | 5.3 | 45 |
| 34 | Regulation of meiotic progression by the meiosis-specific checkpoint kinase Mek1 in fission yeast. <i>Journal of Cell Science</i> , 2003 , 116, 259-71 | 5.3 | 39 |
| 33 | Regulated mRNA stability of the Cdk inhibitor Rum1 links nutrient status to cell cycle progression. <i>Current Biology</i> , 2003 , 13, 2015-24 | 6.3 | 23 |
| 32 | Systematic functional analysis of the <i>Caenorhabditis elegans</i> genome using RNAi. <i>Nature</i> , 2003 , 421, 231-7 | 50.4 | 2758 |
| 31 | The genome sequence of <i>Schizosaccharomyces pombe</i> . <i>Nature</i> , 2002 , 415, 871-80 | 50.4 | 1281 |

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|----|---|------|-----|
| 30 | HBP2: a new mammalian protein that complements the fission yeast MBF transcription complex. <i>Current Genetics</i> , 2001 , 40, 110-8 | 2.9 | 10 |
| 29 | Analysis of 41 kb of the DNA sequence from the right arm of chromosome II of <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2001 , 18, 1111-6 | 3.4 | 3 |
| 28 | Fission yeast mfr1 activates APC and coordinates meiotic nuclear division with sporulation. <i>Journal of Cell Science</i> , 2001 , 114, 2135-2143 | 5.3 | 52 |
| 27 | Flp1, a fission yeast orthologue of the <i>S. cerevisiae</i> CDC14 gene, is not required for cyclin degradation or rum1p stabilisation at the end of mitosis. <i>Journal of Cell Science</i> , 2001 , 114, 2649-2664 | 5.3 | 106 |
| 26 | APC(ste9/srw1) promotes degradation of mitotic cyclins in G(1) and is inhibited by cdc2 phosphorylation. <i>EMBO Journal</i> , 2000 , 19, 3945-55 | 13 | 89 |
| 25 | The puc1 cyclin regulates the G1 phase of the fission yeast cell cycle in response to cell size. <i>Molecular Biology of the Cell</i> , 2000 , 11, 543-54 | 3.5 | 50 |
| 24 | DNA sequencing and analysis of a 40 kb region from the right arm of chromosome II from <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 1999 , 15, 419-26 | 3.4 | 6 |
| 23 | Replication checkpoint requires phosphorylation of the phosphatase Cdc25 by Cds1 or Chk1. <i>Nature</i> , 1998 , 395, 507-10 | 50.4 | 322 |
| 22 | Cloning cell cycle regulatory genes by transcomplementation in yeast. <i>Methods in Enzymology</i> , 1997 , 283, 44-59 | 1.7 | 36 |
| 21 | Regulation of CDK/cyclin complexes during the cell cycle. <i>International Journal of Biochemistry and Cell Biology</i> , 1997 , 29, 559-73 | 5.6 | 153 |
| 20 | Recent advances on cyclins, CDKs and CDK inhibitors. <i>Trends in Cell Biology</i> , 1997 , 7, 95-8 | 18.3 | 43 |
| 19 | The fission yeast Cdc1 protein, a homologue of the small subunit of DNA polymerase delta, binds to Pol3 and Cdc27.. <i>EMBO Journal</i> , 1996 , 15, 4613-4628 | 13 | 73 |
| 18 | rum1: a CDK inhibitor regulating G1 progression in fission yeast. <i>Trends in Cell Biology</i> , 1996 , 6, 62-6 | 18.3 | 22 |
| 17 | Regulation of G1 progression in fission yeast by the rum1+ gene product. <i>Progress in Cell Cycle Research</i> , 1996 , 2, 29-35 | | 8 |
| 16 | Regulation of the cell cycle timing of Start in fission yeast by the rum1+ gene. <i>Journal of Cell Science</i> , 1994 , 18, 63-8 | 5.3 | 20 |
| 15 | Regulation of progression through the G1 phase of the cell cycle by the rum1+ gene. <i>Nature</i> , 1994 , 367, 236-42 | 50.4 | 328 |
| 14 | Checkpoint Controls in the cell cycle of <i>Schizosaccharomyces pombe</i> . <i>Biology of the Cell</i> , 1992 , 76, 212-215 | | 35 |
| 13 | Clues to action of cdc25 protein. <i>Nature</i> , 1991 , 351, 194 | 50.4 | 54 |

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|----|---|------|------|
| 12 | Molecular genetic analysis of fission yeast <i>Schizosaccharomyces pombe</i> . <i>Methods in Enzymology</i> , 1991 , 194, 795-823 | 1.7 | 2987 |
| 11 | Purification and characterization of the invertase from <i>Schizosaccharomyces pombe</i> . A comparative analysis with the invertase from <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 1990 , 267, 697-702 | 3.8 | 55 |
| 10 | Regulation of mitosis by cyclic accumulation of p80cdc25 mitotic inducer in fission yeast. <i>Nature</i> , 1990 , 344, 549-52 | 50.4 | 203 |
| 9 | Complementation of the mitotic activator, p80cdc25, by a human protein-tyrosine phosphatase. <i>Science</i> , 1990 , 250, 1573-6 | 33.3 | 177 |
| 8 | Substrates for p34cdc2: in vivo veritas?. <i>Cell</i> , 1990 , 61, 549-51 | 56.2 | 486 |
| 7 | Regulation of the cell cycle timing of mitosis. <i>Journal of Cell Science</i> , 1989 , 12, 1-8 | 5.3 | 13 |
| 6 | Conservation of mitotic controls in fission and budding yeasts. <i>Cell</i> , 1989 , 57, 295-303 | 56.2 | 259 |
| 5 | Regulation of p34cdc2 protein kinase during mitosis. <i>Cell</i> , 1989 , 58, 361-72 | 56.2 | 543 |
| 4 | Mammalian growth-associated H1 histone kinase: a homolog of cdc2+/CDC28 protein kinases controlling mitotic entry in yeast and frog cells. <i>Molecular and Cellular Biology</i> , 1989 , 9, 3860-8 | 4.8 | 268 |
| 3 | Synthesis of <i>Saccharomyces cerevisiae</i> invertase by <i>Schizosaccharomyces pombe</i> . <i>FEBS Letters</i> , 1988 , 234, 95-9 | 3.8 | 10 |
| 2 | Expression of the SV40 promoter in fission yeast: identification and characterization of an AP-1-like factor. <i>Cell</i> , 1988 , 53, 659-67 | 56.2 | 144 |
| 1 | Subcellular localization and glycoprotein nature of the invertase from the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Archives of Microbiology</i> , 1985 , 142, 370-4 | 3 | 56 |