# Alessandro A Sartori

List of Publications by Year
in descending order



| 48 | 4,758 | 172386 29 | 206029 48 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 51 | 51 | 51 | 6126 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Human CtIP promotes DNA end resection. Nature, 2007, 450, 509-514. | 13.7 | 1,158 |
| 2 | RIF1 Is Essential for 53BP1-Dependent Nonhomologous End Joining and Suppression of DNA Double-Strand Break Resection. Molecular Cell, 2013, 49, 858-871. | 4.5 | 543 |
| 3 | CDK targets Sae2 to control DNA-end resection and homologous recombination. Nature, 2008, 455, 689-692. | 13.7 | 402 |
| 4 | Carcinogenic bacterial pathogen Helicobacter pylori triggers DNA double-strand breaks and a DNA damage response in its host cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14944-14949. | 3.3 | 262 |
| 5 | Deficiency of FANCD2-Associated Nuclease KIAA1018/FAN1 Sensitizes Cells to Interstrand Crosslinking Agents. Cell, 2010, 142, 77-88. | 13.5 | 256 |
| 6 | Harnessing DNA Double-Strand Break Repair for Cancer Treatment. Frontiers in Oncology, 2019, 9, 1388. | 1.3 | 143 |
| 7 | Noncanonical Mismatch Repair as a Source of Genomic Instability in Human Cells. Molecular Cell, 2012, 47, 669-680. | 4.5 | 132 |
| 8 | Î³-Radiation Promotes Immunological Recognition of Cancer Cells through Increased Expression of Cancer-Testis Antigens In Vitro and In Vivo. PLoS ONE, 2011, 6, e28217. | 1.1 | 127 |
| 9 | DNA end resection by CtIP and exonuclease 1 prevents genomic instability. EMBO Reports, 2010, 11, 962-968. | 2.0 | 120 |
| 10 | Deficiency in Homologous Recombination Renders Mammalian Cells More Sensitive to Proton Versus Photon Irradiation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 175-181. | 0.4 | 95 |
| 11 | HELQ promotes RAD51 paralogue-dependent repair to avert germ cell loss and tumorigenesis. Nature, 2013, 502, 381-384. | 13.7 | 94 |
| 12 | CtIP-Mediated Fork Protection Synergizes with BRCA1 to Suppress Genomic Instability upon DNA Replication Stress. Molecular Cell, 2018, 72, 568-582.e6. | 4.5 | 93 |
| 13 | Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. Radiotherapy and Oncology, 2015, 116, 374-380. | 0.3 | 92 |
| 14 | A novel uracil-DNA glycosylase with broad substrate specificity and an unusual active site. EMBO Journal, 2002, 21, 3182-3191. | 3.5 | 91 |
| 15 | Controlling DNA-end resection: a new task for CDKs. Frontiers in Genetics, 2013, 4, 99. | 1.1 | 79 |
| 16 | Prolyl Isomerase PIN1 Regulates DNA Double-Strand Break Repair by Counteracting DNA End Resection. Molecular Cell, 2013, 50, 333-343. | 4.5 | 76 |
| 17 | FANCD2 and CtIP Cooperate to Repair DNA Interstrand Crosslinks. Cell Reports, 2014, 7, 1030-1038. | 2.9 | 75 |
| 18 | Targeting p38Î± Increases DNA Damage, Chromosome Instability, and the Anti-tumoral Response to Taxanes in Breast Cancer Cells. Cancer Cell, 2018, 33, 1094-1110.e8. | 7.7 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | CtIP-dependent DNA resection is required for DNA damage checkpoint maintenance but not initiation. Journal of Cell Biology, 2012, 197, 869-876. | 2.3 | 68 |
| 20 | An Iron-Sulfur Cluster in the Family 4 Uracil-DNA Glycosylases. Journal of Biological Chemistry, 2002, 277, 16936-16940. | 1.6 | 66 |
| 21 | <scp>APC</scp>/<scp>C<sup>C</sup></scp><sup>dh1</sup> controls Ct<scp>IP</scp> stability during the cell cycle and in response to <scp>DNA</scp> damage. EMBO Journal, 2014, 33, 2860-2879. | 3.5 | 65 |
| 22 | Cullin3-KLHL15 ubiquitin ligase mediates CtIP protein turnover to fine-tune DNA-end resection. Nature Communications, 2016, 7, 12628. | 5.8 | 56 |
| 23 | Biochemical Characterization of Uracil Processing Activities in the Hyperthermophilic Archaeon Pyrobaculum aerophilum. Journal of Biological Chemistry, 2001, 276, 29979-29986. | 1.6 | 48 |
| 24 | MRE11 complex links RECQ5 helicase to sites of DNA damage. Nucleic Acids Research, 2009, 37, 2645-2657. | 6.5 | 45 |
| 25 | Stereo- and regiodefined DNA-encoded chemical libraries enable efficient tumour-targeting applications. Nature Chemistry, 2021, 13, 540-548. | 6.6 | 42 |
| 26 | FAN1, a DNA Repair Nuclease, as a Modifier of Repeat Expansion Disorders. Journal of Huntington's Disease, 2021, 10, 95-122. | 0.9 | 34 |
| 27 | Targeting DNA double-strand break signalling and repair: recent advances in cancer therapy. Swiss Medical Weekly, 2013, 143, w13837. | 0.8 | 34 |
| 28 | A DNA Glycosylase from Pyrobaculum aerophilum with an 8-Oxoguanine Binding Mode and a Noncanonical Helix-Hairpin-Helix Structure. Structure, 2005, 13, 87-98. | 1.6 | 33 |
| 29 | FAN1 interaction with ubiquitylated PCNA alleviates replication stress and preserves genomic integrity independently of BRCA2. Nature Communications, 2017, 8, 1073. | 5.8 | 33 |
| 30 | A Singleâ€Stranded DNAâ€Encoded Chemical Library Based on a Stereoisomeric Scaffold Enables Ligand Discovery by Modular Assembly of Building Blocks. Advanced Science, 2020, 7, 2001970. | 5.6 | 30 |
| 31 | Functional Radiogenetic Profiling Implicates ERCC6L2 in Non-homologous End Joining. Cell Reports, 2020, 32, 108068. | 2.9 | 29 |
| 32 | Enzymology of Base Excision Repair in the Hyperthermophilic Archaeon Pyrobaculum aerophilum. Journal of Biological Chemistry, 2003, 278, 24563-24576. | 1.6 | 25 |
| 33 | Pa-AGOG, the founding member of a new family of archaeal 8-oxoguanine DNA-glycosylases. Nucleic Acids Research, 2004, 32, 6531-6539. | 6.5 | 25 |
| 34 | Human CtIP: A â€˜double agentâ€™ in DNA repair and tumorigenesis. Seminars in Cell and Developmental Biology, 2021, 113, 47-56. | 2.3 | 25 |
| 35 | Direct Interaction between Uracil-DNA Glycosylase and a Proliferating Cell Nuclear Antigen Homolog in the CrenarchaeonPyrobaculum aerophilum. Journal of Biological Chemistry, 2002, 277, 22271-22278. | 1.6 | 24 |
| 36 | A Short BRCA2-Derived Cell-Penetrating Peptide Targets RAD51 Function and Confers Hypersensitivity toward PARP Inhibition. Molecular Cancer Therapeutics, 2018, 17, 1392-1404. | 1.9 | 23 |

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|---|---|---|---|
| 37 | Controlling DNA-End Resection: An Emerging Task for Ubiquitin and SUMO. Frontiers in Genetics, 2016, 7, 152. | 1.1 | 20 |
| 38 | Activation of ATR-Chk1 pathway facilitates EBV-mediated transformation of primary tonsillar B-cells. Oncotarget, 2017, 8, 6461-6474. | 0.8 | 18 |
| 39 | FAN1-MLH1 interaction affects repair of DNA interstrand cross-links and slipped-CAG/CTG repeats. Science Advances, 2021, 7, . | 4.7 | 17 |
| 40 | FANCD2-Associated Nuclease 1 Partially Compensates for the Lack of Exonuclease 1 in Mismatch Repair. Molecular and Cellular Biology, 2021, 41, e0030321. | 1.1 | 11 |
| 41 | Identification of a miniature Sae2/Ctp1/CtIP ortholog from Paramecium tetraurelia required for sexual reproduction and DNA double-strand break repair. DNA Repair, 2019, 77, 96-108. | 1.3 | 8 |
| 42 | A stapled peptide mimetic of the CtIP tetramerization motif interferes with double-strand break repair and replication fork protection. Science Advances, 2021, 7, . | 4.7 | 8 |
| 43 | Prolyl isomerization: A new PIN code for DSB repair. Cell Cycle, 2013, 12, 2717-2718. | 1.3 | 5 |
| 44 | Context Matters: RNF168 Connects with PALB2 to Rewire Homologous Recombination in BRCA1 Haploinsufficiency. Molecular Cell, 2019, 73, 1089-1091. | 4.5 | 2 |
| 45 | RNAi Screening Uncovers a Synthetic Sick Interaction between CtIP and the BARD1 Tumor Suppressor. Cells, 2022, 11, 643. | 1.8 | 2 |
| 46 | The ubiquitin ligase APC/C<sup>Cdh1</sup> puts the brakes on DNA-end resection. Molecular and Cellular Oncology, 2015, 2, e1000696. | 0.3 | 1 |
| 47 | C02â€…FAN1 controls cag repeat expansion in huntingtonâ€™s disease by dual functions, MLH1 retention and nuclease activity. , 2021, , . | | 0 |
| 48 | Abstract 1315: CtIP is regulated by the APC/C-Cdh1 to mediate cell cycle-dependent control of DNA repair. , 2014, , . | | 0 |