# Nicola J Curtin

List of Publications by Year
in descending order



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|---|---|---|---|
| 157 papers | 17,618 citations | 25423 59 h-index | 15698 129 g-index |
| 162 all docs | 162 docs citations | 162 times ranked | 21587 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Differences in Durability of PARP Inhibition by PARP Inhibitors in Ovarian Cancer Cells. Medical Sciences Forum, 2021, 3, . | 0.5 | 0 |
| 2 | Genomic, Transcriptomic, and Functional Alterations in DNA Damage Response Pathways as Putative Biomarkers of Chemotherapy Response in Ovarian Cancer. Cancers, 2021, 13, 1420. | 1.7 | 7 |
| 3 | Increased Replication Stress Sensitises High Risk Neuroblastoma Cells to ATR and PARP Inhibition. Medical Sciences Forum, 2021, 3, . | 0.5 | 0 |
| 4 | Radiotherapy biobanking: current landscape, opportunities, challenges, and future aspirations. Journal of Pathology: Clinical Research, 2021, , . | 1.3 | 3 |
| 5 | Increased Replication Stress Determines ATR Inhibitor Sensitivity in Neuroblastoma Cells. Cancers, 2021, 13, 6215. | 1.7 | 8 |
| 6 | Targeting ATR as Cancer Therapy: A new era for synthetic lethality and synergistic combinations?. , 2020, 207, 107450. | | 101 |
| 7 | PARPs, PAR and NAD Metabolism and Their Inhibitors in Cancer. Cancers, 2020, 12, 3494. | 1.7 | 2 |
| 8 | Characterisation of Ovarian Cancer Cell Line NIH-OVCAR3 and Implications of Genomic, Transcriptomic, Proteomic and Functional DNA Damage Response Biomarkers for Therapeutic Targeting. Cancers, 2020, 12, 1939. | 1.7 | 18 |
| 9 | Poly(ADP-ribose) polymerase inhibition: past, present and future. Nature Reviews Drug Discovery, 2020, 19, 711-736. | 21.5 | 275 |
| 10 | DNA damage checkpoint kinases in cancer. Expert Reviews in Molecular Medicine, 2020, 22, e2. | 1.6 | 150 |
| 11 | The Development of Rucaparib/RubracaÂ®: A Story of the Synergy Between Science and Serendipity. Cancers, 2020, 12, 564. | 1.7 | 12 |
| 12 | ATR Inhibition Potentiates PARP Inhibitor Cytotoxicity in High Risk Neuroblastoma Cell Lines by Multiple Mechanisms. Cancers, 2020, 12, 1095. | 1.7 | 24 |
| 13 | Targeting the DNA Damage Response for the Treatment of High Risk Neuroblastoma. Frontiers in Oncology, 2020, 10, 371. | 1.3 | 22 |
| 14 | Exploring the Synergy between PARP and CHK1 Inhibition in Matched BRCA2 Mutant and Corrected Cells. Cancers, 2020, 12, 878. | 1.7 | 18 |
| 15 | Repositioning PARP inhibitors for SARSâ€CoVâ€2 infection(COVIDâ€19); a new multiâ€pronged therapy for acute respiratory distress syndrome?. British Journal of Pharmacology, 2020, 177, 3635-3645. | 2.7 | 52 |
| 16 | Why BRCA mutations are not tumour-agnostic biomarkers for PARP inhibitor therapy. Nature Reviews Clinical Oncology, 2019, 16, 725-726. | 12.5 | 19 |
| 17 | Warburg and Krebs and related effects in cancer. Expert Reviews in Molecular Medicine, 2019, 21, e4. | 1.6 | 22 |
| 18 | Exploring the Frequency of Homologous Recombination DNA Repair Dysfunction in Multiple Cancer Types. Cancers, 2019, 11, 354. | 1.7 | 12 |

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| 19 | Evaluating the potential of kinase inhibitors to suppress DNA repair and sensitise ovarian cancer cells to PARP inhibitors. Biochemical Pharmacology, 2019, 167, 125-132. | 2.0 | 9 |
| 20 | Opportunities for the repurposing of PARP inhibitors for the therapy of nonâ€oncological diseases. British Journal of Pharmacology, 2018, 175, 192-222. | 2.7 | 160 |
| 21 | The Impact of p53 Dysfunction in ATR Inhibitor Cytotoxicity and Chemo- and Radiosensitisation. Cancers, 2018, 10, 275. | 1.7 | 28 |
| 22 | Inhibition of ATR acutely sensitizes acute myeloid leukemia cells to nucleoside analogs that target ribonucleotide reductase. Blood Advances, 2018, 2, 1157-1169. | 2.5 | 28 |
| 23 | Targeting ATR for Cancer Therapy: Profile and Expectations for ATR Inhibitors. Cancer Drug Discovery and Development, 2018, , 63-97. | 0.2 | 0 |
| 24 | Characterization and drug sensitivity of a novel human ovarian clear cell carcinoma cell line genomically and phenotypically similar to the original tumor. Cancer Medicine, 2018, 7, 4744-4754. | 1.3 | 9 |
| 25 | Validating and enabling phosphoglycerate dehydrogenase (PHGDH) as a target for fragment-based drug discovery in PHGDH-amplified breast cancer. Oncotarget, 2018, 9, 13139-13153. | 0.8 | 25 |
| 26 | Phase I, Dose-Escalation, Two-Part Trial of the PARP Inhibitor Talazoparib in Patients with Advanced Germline BRCA1/2 Mutations and Selected Sporadic Cancers. Cancer Discovery, 2017, 7, 620-629. | 7.7 | 321 |
| 27 | PARP. , 2017, , 913-934. | | 0 |
| 28 | PARP inhibitor rucaparib induces changes in NAD levels in cells and liver tissues as assessed by MRS. NMR in Biomedicine, 2017, 30, e3736. | 1.6 | 14 |
| 29 | Strategies Employed for the Development of PARP Inhibitors. Methods in Molecular Biology, 2017, 1608, 271-297. | 0.4 | 3 |
| 30 | Ovarian Cancers Harbor Defects in Nonhomologous End Joining Resulting in Resistance to Rucaparib. Clinical Cancer Research, 2017, 23, 2050-2060. | 3.2 | 60 |
| 31 | Targeting the ATR-CHK1 Axis in Cancer Therapy. Cancers, 2017, 9, 41. | 1.7 | 156 |
| 32 | The Use of PARP Inhibitors in Cancer Therapy: Use as Adjuvant with Chemotherapy or Radiotherapy, Use as a Single Agent in Susceptible Patients, and Techniques Used to Identify Susceptible Patients. Methods in Molecular Biology, 2017, 1608, 343-370. | 0.4 | 7 |
| 33 | Combination treatment with rucaparib (Rubraca) and MDM2 inhibitors, Nutlin-3 and RG7388, has synergistic and dose reduction potential in ovarian cancer. Oncotarget, 2017, 8, 69779-69796. | 0.8 | 27 |
| 34 | Sensitizing Ewing sarcoma to chemo- and radiotherapy by inhibition of the DNA-repair enzymes DNA protein kinase (DNA-PK) and poly-ADP-ribose polymerase (PARP) 1/2. Oncotarget, 2017, 8, 113418-113430. | 0.8 | 20 |
| 35 | Structural insights into the enzymatic activity and potential substrate promiscuity of human 3-phosphoglycerate dehydrogenase (PHGDH). Oncotarget, 2017, 8, 104478-104491. | 0.8 | 27 |
| 36 | Advanced Ovarian Cancer Displays Functional Intratumor Heterogeneity That Correlates to Ex Vivo Drug Sensitivity. International Journal of Gynecological Cancer, 2016, 26, 1004-1011. | 1.2 | 9 |

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|---|---|---|---|
| 37 | Highâ€resolution imaging for the detection and characterisation of circulating tumour cells from patients with oesophageal, hepatocellular, thyroid and ovarian cancers. International Journal of Cancer, 2016, 138, 206-216. | 2.3 | 45 |
| 38 | Imagestream detection and characterisation of circulating tumour cells â€“ A liquid biopsy for hepatocellular carcinoma?. Journal of Hepatology, 2016, 65, 305-313. | 1.8 | 98 |
| 39 | Chk1 phosphorylated at serine345 is a predictor of early local recurrence and radioâ€resistance in breast cancer. Molecular Oncology, 2016, 10, 213-223. | 2.1 | 33 |
| 40 | Phase 2 multicentre trial investigating intermittent and continuous dosing schedules of the poly(ADP-ribose) polymerase inhibitor rucaparib in germline BRCA mutation carriers with advanced ovarian and breast cancer. British Journal of Cancer, 2016, 114, 723-730. | 2.9 | 132 |
| 41 | Poly(ADP-Ribose) Polymerase in Cervical Cancer Pathogenesis: Mechanism and Potential Role for PARP Inhibitors. International Journal of Gynecological Cancer, 2016, 26, 763-769. | 1.2 | 11 |
| 42 | mTORC1 and DNAâ€PKcs as novel molecular determinants of sensitivity to Chk1 inhibition. Molecular Oncology, 2016, 10, 101-112. | 2.1 | 17 |
| 43 | Clinico-pathological correlation of homologous recombination status in epithelial ovarian cancer: Surgeonâ€™s perspective. , 2016, 02, . | | 0 |
| 44 | PARP activity in peripheral blood lymphocytes as a predictive biomarker for PARP inhibition in tumor tissues â€“ A population pharmacokinetic/pharmacodynamic analysis of rucaparib. Clinical Pharmacology in Drug Development, 2015, 4, 89-98. | 0.8 | 4 |
| 45 | PARP1 expression, activity andex vivosensitivity to the PARP inhibitor, talazoparib (BMN 673), in chronic lymphocytic leukaemia. Oncotarget, 2015, 6, 43978-43991. | 0.8 | 31 |
| 46 | Development of pharmacodynamic biomarkers for ATR inhibitors. Molecular Oncology, 2015, 9, 463-472. | 2.1 | 22 |
| 47 | Untangling the ATRâ€CHEK1 network for prognostication, prediction and therapeutic target validation in breast cancer. Molecular Oncology, 2015, 9, 569-585. | 2.1 | 75 |
| 48 | DNA-PKâ€”A Candidate Driver of Hepatocarcinogenesis and Tissue Biomarker That Predicts Response to Treatment and Survival. Clinical Cancer Research, 2015, 21, 925-933. | 3.2 | 74 |
| 49 | Efficacy of PARP Inhibitor Rucaparib in Orthotopic Glioblastoma Xenografts Is Limited by Ineffective Drug Penetration into the Central Nervous System. Molecular Cancer Therapeutics, 2015, 14, 2735-2743. | 1.9 | 75 |
| 50 | Vasoactivity of Rucaparib, a PARP-1 Inhibitor, is a Complex Process that Involves Myosin Light Chain Kinase, P2 Receptors, and PARP Itself. PLoS ONE, 2015, 10, e0118187. | 1.1 | 17 |
| 51 | Common cancer-associated imbalances in the DNA damage response confer sensitivity to single agent ATR inhibition. Oncotarget, 2015, 6, 32396-32409. | 0.8 | 59 |
| 52 | Biomarkers for PARP Inhibitors. Cancer Drug Discovery and Development, 2015, , 553-579. | 0.2 | 0 |
| 53 | The Use of Ovarian Cancer Cells from Patients Undergoing Surgery to Generate Primary Cultures Capable of Undergoing Functional Analysis. PLoS ONE, 2014, 9, e90604. | 1.1 | 42 |
| 54 | PARP inhibitors target ATM+p53-defective gastric cancer. Cell Cycle, 2014, 13, 3161-3162. | 1.3 | 2 |

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| 55 | Poly(ADP-ribose) polymerase inhibitors in Ewing sarcoma. Current Opinion in Oncology, 2014, 26, 428-433. | 1.1 | 36 |
| 56 | DNA-PK inhibition by NU7441 sensitizes breast cancer cells to ionizing radiation and doxorubicin. Breast Cancer Research and Treatment, 2014, 143, 47-55. | 1.1 | 116 |
| 57 | Inhibition of DNA Repair as a Therapeutic Target. , 2014, , 193-237. | | 0 |
| 58 | Assessing the function of homologous recombination DNA repair in malignant pleural effusion (MPE) samples. British Journal of Cancer, 2014, 111, 94-100. | 2.9 | 23 |
| 59 | Tumour cell retention of rucaparib, sustained PARP inhibition and efficacy of weekly as well as daily schedules. British Journal of Cancer, 2014, 110, 1977-1984. | 2.9 | 42 |
| 60 | Preferential potentiation of topoisomerase I poison cytotoxicity by PARP inhibition in S phase. British Journal of Cancer, 2014, 111, 1319-1326. | 2.9 | 36 |
| 61 | PARP inhibitors for anticancer therapy. Biochemical Society Transactions, 2014, 42, 82-88. | 1.6 | 78 |
| 62 | PARP. , 2014, , 1-22. | | 0 |
| 63 | 1-Substituted (Dibenzo[b,d]thiophen-4-yl)-2-morpholino-4H-chromen-4-ones Endowed with Dual DNA-PK/PI3-K Inhibitory Activity. Journal of Medicinal Chemistry, 2013, 56, 6386-6401. | 2.9 | 45 |
| 64 | A phase II study of the potent PARP inhibitor, Rucaparib (PF-01367338, AG014699), with temozolomide in patients with metastatic melanoma demonstrating evidence of chemopotentiation. Cancer Chemotherapy and Pharmacology, 2013, 71, 1191-1199. | 1.1 | 164 |
| 65 | Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. Breast Cancer Research, 2013, 15, R92. | 2.2 | 320 |
| 66 | Therapeutic applications of PARP inhibitors: Anticancer therapy and beyond. Molecular Aspects of Medicine, 2013, 34, 1217-1256. | 2.7 | 312 |
| 67 | Inhibiting the <scp>DNA</scp> damage response as a therapeutic manoeuvre in cancer. British Journal of Pharmacology, 2013, 169, 1745-1765. | 2.7 | 64 |
| 68 | Preclinical Evaluation of a Novel ATM Inhibitor, KU59403, In Vitro and In Vivo in p53 Functional and Dysfunctional Models of Human Cancer. Molecular Cancer Therapeutics, 2013, 12, 959-967. | 1.9 | 142 |
| 69 | Microsatellite instability induced mutations in DNA repair genes CtIP and MRE11 confer hypersensitivity to poly (ADP-ribose) polymerase inhibitors in myeloid malignancies. Haematologica, 2013, 98, 1397-1406. | 1.7 | 58 |
| 70 | ATR as a Therapeutic Target. , 2013, , 211-228. | | 0 |
| 71 | Chemosensitization of Cancer Cells by KU-0060648, a Dual Inhibitor of DNA-PK and PI-3K. Molecular Cancer Therapeutics, 2012, 11, 1789-1798. | 1.9 | 112 |
| 72 | The Role of PARP in DNA Repair and its Therapeutic Exploitation. , 2012, , 55-73. | | 2 |

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| 73 | Visualization of a DNA-PK/PARP1 complex. Nucleic Acids Research, 2012, 40, 4168-4177. | 6.5 | 89 |
| 74 | DNA repair dysregulation from cancer driver to therapeutic target. Nature Reviews Cancer, 2012, 12, 801-817. | 12.8 | 851 |
| 75 | Clinicopathological Features of Homologous Recombinationâ€“Deficient Epithelial Ovarian Cancers: Sensitivity to PARP Inhibitors, Platinum, and Survival. Cancer Research, 2012, 72, 5675-5682. | 0.4 | 109 |
| 76 | Defective homologous recombination in human cancers. Cancer Treatment Reviews, 2012, 38, 89-100. | 3.4 | 60 |
| 77 | Poly(ADP-ribose) polymerase (PARP) and PARP inhibitors. Drug Discovery Today: Disease Models, 2012, 9, e51-e58. | 1.2 | 14 |
| 78 | Targeting the S and G2 checkpoint to treat cancer. Drug Discovery Today, 2012, 17, 194-202. | 3.2 | 138 |
| 79 | Triple negative breast cancer: Proposals for a pragmatic definition and implications for patient management and trial design. Breast, 2012, 21, 20-26. | 0.9 | 30 |
| 80 | Further characterisation of the cellular activity of the DNA-PK inhibitor, NU7441, reveals potential cross-talk with homologous recombination. Cancer Chemotherapy and Pharmacology, 2012, 69, 155-164. | 1.1 | 55 |
| 81 | High Activity of Poly(ADP-Ribose) Polymerase in Chronic Lymphocytic Leukemia. Blood, 2012, 120, 1788-1788. | 0.6 | 1 |
| 82 | Compromised CDK1 activity sensitizes BRCA-proficient cancers to PARP inhibition. Nature Medicine, 2011, 17, 875-882. | 15.2 | 238 |
| 83 | Preclinical in vitro and in vivo evaluation of the potent and specific cyclin-dependent kinase 2 inhibitor NU6102 and a water soluble prodrug NU6301. European Journal of Cancer, 2011, 47, 2052-2059. | 1.3 | 12 |
| 84 | The potential for poly (ADP-ribose) polymerase inhibitors in cancer therapy. Therapeutic Advances in Medical Oncology, 2011, 3, 257-267. | 1.4 | 76 |
| 85 | Nucleoside Transport Inhibitors: Structureâ^'Activity Relationships for Pyrimido[5,4-d]pyrimidine Derivatives That Potentiate Pemetrexed Cytotoxicity in the Presence of Î±1-Acid Glycoprotein. Journal of Medicinal Chemistry, 2011, 54, 1847-1859. | 2.9 | 13 |
| 86 | Targeting the DNA Double Strand Break Repair Machinery in Prostate Cancer. PLoS ONE, 2011, 6, e20311. | 1.1 | 47 |
| 87 | Poly(ADP-ribose) polymerase-1 (PARP-1) pharmacogenetics, activity and expression analysis in cancer patients and healthy volunteers. Biochemical Journal, 2011, 436, 671-679. | 1.7 | 56 |
| 88 | PARP inhibitors and epithelial ovarian cancer: an approach to targeted chemotherapy and personalised medicine. BJOG: an International Journal of Obstetrics and Gynaecology, 2011, 118, 429-432. | 1.1 | 14 |
| 89 | Therapeutic Potential of Poly(ADP-ribose) Polymerase Inhibitor AG014699 in Human Cancers With Mutated or Methylated BRCA1 or BRCA2. Journal of the National Cancer Institute, 2011, 103, 334-346. | 3.0 | 235 |
| 90 | The Clinically Active PARP Inhibitor AG014699 Ameliorates Cardiotoxicity but Does Not Enhance the Efficacy of Doxorubicin, despite Improving Tumor Perfusion and Radiation Response in Mice. Molecular Cancer Therapeutics, 2011, 10, 2320-2329. | 1.9 | 50 |

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| 91 | The role of PARP in DNA repair and its therapeutic exploitation. British Journal of Cancer, 2011, 105, 1114-1122. | 2.9 | 263 |
| 92 | Identification and evaluation of a potent novel ATR inhibitor, NU6027, in breast and ovarian cancer cell lines. British Journal of Cancer, 2011, 105, 372-381. | 2.9 | 173 |
| 93 | The Use of PARP Inhibitors in Cancer Therapy: Use as Adjuvant with Chemotherapy or Radiotherapy; Use as a Single Agent in Susceptible Patients; Techniques Used to Identify Susceptible Patients. Methods in Molecular Biology, 2011, 780, 239-266. | 0.4 | 5 |
| 94 | Strategies Employed for the Development of PARP Inhibitors. Methods in Molecular Biology, 2011, 780, 463-489. | 0.4 | 5 |
| 95 | DNA-Dependent Protein Kinase (DNA-PK) Inhibitors. Synthesis and Biological Activity of Quinolin-4-one and Pyridopyrimidin-4-one Surrogates for the Chromen-4-one Chemotype. Journal of Medicinal Chemistry, 2010, 53, 8498-8507. | 2.9 | 40 |
| 96 | Doxorubicin-induced suppression of poly(ADP-ribose) polymerase-1 (PARP-1) activity and expression and its implication for PARP inhibitors in clinical trials. Cancer Chemotherapy and Pharmacology, 2010, 66, 807-812. | 1.1 | 17 |
| 97 | Pre-clinical evaluation of cyclin-dependent kinase 2 and 1 inhibition in anti-estrogen-sensitive and resistant breast cancer cells. British Journal of Cancer, 2010, 102, 342-350. | 2.9 | 55 |
| 98 | Central nervous system penetration and enhancement of temozolomide activity in childhood medulloblastoma models by poly(ADP-ribose) polymerase inhibitor AG-014699. British Journal of Cancer, 2010, 103, 1588-1596. | 2.9 | 58 |
| 99 | Development of a Functional Assay for Homologous Recombination Status in Primary Cultures of Epithelial Ovarian Tumor and Correlation with Sensitivity to Poly(ADP-Ribose) Polymerase Inhibitors. Clinical Cancer Research, 2010, 16, 2344-2351. | 3.2 | 244 |
| 100 | 6-Thioguanine Selectively Kills BRCA2-Defective Tumors and Overcomes PARP Inhibitor Resistance. Cancer Research, 2010, 70, 6268-6276. | 0.4 | 102 |
| 101 | Synthesis and biological evaluation of 5-substituted O4-alkylpyrimidines as CDK2 inhibitors. Organic and Biomolecular Chemistry, 2010, 8, 2397. | 1.5 | 26 |
| 102 | Inhibition of Poly(ADP-Ribose) Polymerase-1 Enhances Temozolomide and Topotecan Activity against Childhood Neuroblastoma. Clinical Cancer Research, 2009, 15, 1241-1249. | 3.2 | 75 |
| 103 | Preclinical evaluation of a novel pyrimidopyrimidine for the prevention of nucleoside and nucleobase reversal of antifolate cytotoxicity. Molecular Cancer Therapeutics, 2009, 8, 1828-1837. | 1.9 | 9 |
| 104 | Vasoactivity of AG014699, a Clinically Active Small Molecule Inhibitor of Poly(ADP-ribose) Polymerase: a Contributory Factor to Chemopotentiation In vivo?. Clinical Cancer Research, 2009, 15, 6106-6112. | 3.2 | 57 |
| 105 | Effective sensitization of temozolomide by ABT-888 is lost with development of temozolomide resistance in glioblastoma xenograft lines. Molecular Cancer Therapeutics, 2009, 8, 407-414. | 1.9 | 89 |
| 106 | Poly(ADP-ribose) polymerase-1 polymorphisms, expression and activity in selected human tumour cell lines. British Journal of Cancer, 2009, 101, 256-262. | 2.9 | 68 |
| 107 | Poly(ADP-Ribose) Polymerase-1 and DNA-Dependent Protein Kinase Have Equivalent Roles in Double Strand Break Repair Following Ionizing Radiation. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1520-1527. | 0.4 | 51 |
| 108 | A comparative study of genome-wide SNP, CGH microarray and protein expression analysis to explore genotypic and phenotypic mechanisms of acquired antiestrogen resistance in breast cancer. Breast Cancer Research and Treatment, 2008, 111, 55-63. | 1.1 | 19 |

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| 109 | 8-Biarylchromen-4-one inhibitors of the DNA-dependent protein kinase (DNA-PK). Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4885-4890. | 1.0 | 26 |
| 110 | Transient treatment with CDK inhibitors eliminates proliferative potential even when their abilities to evoke apoptosis and DNA damage are blocked. Cell Cycle, 2008, 7, 3898-3907. | 1.3 | 16 |
| 111 | Phase I Study of the Poly(ADP-Ribose) Polymerase Inhibitor, AG014699, in Combination with Temozolomide in Patients with Advanced Solid Tumors. Clinical Cancer Research, 2008, 14, 7917-7923. | 3.2 | 361 |
| 112 | Inhibition of DNA repair as a therapeutic target. , 2008, , 284-304. | | 0 |
| 113 | Preclinical selection of a novel poly(ADP-ribose) polymerase inhibitor for clinical trial. Molecular Cancer Therapeutics, 2007, 6, 945-956. | 1.9 | 266 |
| 114 | Structure-based design of 2-arylamino-4-cyclohexylmethoxy-5-nitroso-6-aminopyrimidine inhibitors of cyclin-dependent kinase 2. Organic and Biomolecular Chemistry, 2007, 5, 1577. | 1.5 | 16 |
| 115 | Therapeutic potential of drugs to modulate DNA repair in cancer. Expert Opinion on Therapeutic Targets, 2007, 11, 783-799. | 1.5 | 28 |
| 116 | Pyranone, Thiopyranone, and Pyridone Inhibitors of Phosphatidylinositol 3-Kinase Related Kinases. Structureâ^'Activity Relationships for DNA-Dependent Protein Kinase Inhibition, and Identification of the First Potent and Selective Inhibitor of the Ataxia Telangiectasia Mutated Kinase. Journal of Medicinal Chemistry, 2007, 50, 1958-1972. | 2.9 | 79 |
| 117 | PARP Inhibitors and Cancer Therapy. , 2006, , 218-233. | | 5 |
| 118 | Searching for Cyclin-Dependent Kinase Inhibitors Using a New Variant of the Cope Elimination. Journal of the American Chemical Society, 2006, 128, 6012-6013. | 6.6 | 64 |
| 119 | Preclinical Evaluation of a Potent Novel DNA-Dependent Protein Kinase Inhibitor NU7441. Cancer Research, 2006, 66, 5354-5362. | 0.4 | 371 |
| 120 | Isoindolinone-based inhibitors of the MDM2â€“p53 proteinâ€“protein interaction. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1515-1520. | 1.0 | 89 |
| 121 | Specific killing of BRCA2-deficient tumours with inhibitors of poly(ADP-ribose) polymerase. Nature, 2005, 434, 913-917. | 13.7 | 4,382 |
| 122 | Potentiation of paclitaxel-induced apoptosis by the novel cyclin-dependent kinase inhibitor NU6140: a possible role for survivin down-regulation. Molecular Cancer Therapeutics, 2005, 4, 1328-1337. | 1.9 | 73 |
| 123 | Effect of Cell Cycle Inhibition on Cisplatin-Induced Cytotoxicity. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 206-213. | 1.3 | 21 |
| 124 | Temozolomide Pharmacodynamics in Patients with Metastatic Melanoma: DNA Damage and Activity of Repair Enzymes O6-Alkylguanine Alkyltransferase and Poly(ADP-Ribose) Polymerase-1. Clinical Cancer Research, 2005, 11, 3402-3409. | 3.2 | 103 |
| 125 | The Novel Poly(ADP-Ribose) Polymerase Inhibitor, AG14361, Sensitizes Cells to Topoisomerase I Poisons by Increasing the Persistence of DNA Strand Breaks. Clinical Cancer Research, 2005, 11, 8449-8457. | 3.2 | 105 |
| 126 | Discovery of Potent Chromen-4-one Inhibitors of the DNA-Dependent Protein Kinase (DNA-PK) Using a Small-Molecule Library Approach. Journal of Medicinal Chemistry, 2005, 48, 7829-7846. | 2.9 | 163 |

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| 127 | PARP inhibitors for cancer therapy. Expert Reviews in Molecular Medicine, 2005, 7, 1-20. | 1.6 | 190 |
| 128 | Novel Poly(ADP-ribose) Polymerase-1 Inhibitor, AG14361, Restores Sensitivity to Temozolomide in Mismatch Repair-Deficient Cells. Clinical Cancer Research, 2004, 10, 881-889. | 3.2 | 167 |
| 129 | Anticancer Chemosensitization and Radiosensitization by the Novel Poly(ADP-ribose) Polymerase-1 Inhibitor AG14361. Journal of the National Cancer Institute, 2004, 96, 56-67. | 3.0 | 459 |
| 130 | Identification and Characterization of a Novel and Specific Inhibitor of the Ataxia-Telangiectasia Mutated Kinase ATM. Cancer Research, 2004, 64, 9152-9159. | 0.4 | 1,089 |
| 131 | Effects of novel inhibitors of poly(ADP-ribose) polymerase-1 and the DNA-dependent protein kinase on enzyme activities and DNA repair. Oncogene, 2004, 23, 7322-7329. | 2.6 | 98 |
| 132 | N2-SubstitutedO6-Cyclohexylmethylguanine Derivatives:Â Potent Inhibitors of Cyclin-Dependent Kinases 1 and 2. Journal of Medicinal Chemistry, 2004, 47, 3710-3722. | 2.9 | 116 |
| 133 | Resistance-Modifying Agents. 11.1Pyrimido[5,4-d]pyrimidine Modulators of Antitumor Drug Activity. Synthesis and Structureâ^'Activity Relationships for Nucleoside Transport Inhibition and Binding to Î±1-Acid Glycoprotein. Journal of Medicinal Chemistry, 2004, 47, 4905-4922. | 2.9 | 41 |
| 134 | Potentiation of cytotoxic drug activity in human tumour cell lines, by amine-substituted 2-arylbenzimidazole-4-carboxamide PARP-1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2433-2437. | 1.0 | 71 |
| 135 | Design, Synthesis, and Evaluation of 3,4-Dihydro-2H-[1,4]diazepino[6,7,1-hi]indol-1-ones as Inhibitors of Poly(ADP-Ribose) Polymerase. Journal of Medicinal Chemistry, 2004, 47, 5467-5481. | 2.9 | 46 |
| 136 | 4-Alkoxy-2,6-diaminopyrimidine derivatives: inhibitors of cyclin dependent kinases 1 and 2. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 217-222. | 1.0 | 54 |
| 137 | Structure-Based design of 2-Arylamino-4-cyclohexylmethyl-5-nitroso-6-aminopyrimidine inhibitors of cyclin-Dependent kinases 1 and 2. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3079-3082. | 1.0 | 69 |
| 138 | Tricyclic Benzimidazoles as Potent Poly(ADP-ribose) Polymerase-1 Inhibitors. Journal of Medicinal Chemistry, 2003, 46, 210-213. | 2.9 | 152 |
| 139 | Identification of potent nontoxic poly(ADP-Ribose) polymerase-1 inhibitors: chemopotentiation and pharmacological studies. Clinical Cancer Research, 2003, 9, 2711-8. | 3.2 | 59 |
| 140 | Radiosensitization and DNA repair inhibition by the combined use of novel inhibitors of DNA-dependent protein kinase and poly(ADP-ribose) polymerase-1. Cancer Research, 2003, 63, 6008-15. | 0.4 | 260 |
| 141 | Probing the ATP Ribose-Binding Domain of Cyclin-Dependent Kinases 1 and 2 withO6-Substituted Guanine Derivatives. Journal of Medicinal Chemistry, 2002, 45, 3381-3393. | 2.9 | 90 |
| 142 | Novel Tricyclic Poly(ADP-ribose) Polymerase-1 Inhibitors with Potent Anticancer Chemopotentiating Activity:Â Design, Synthesis, and X-ray Cocrystal Structure. Journal of Medicinal Chemistry, 2002, 45, 4961-4974. | 2.9 | 130 |
| 143 | Controlled stepwise conversion of 2,4,6,8-tetrachloropyrimido[5,4-d]pyrimidine into 2,4,6,8-tetrasubstituted pyrimido[5,4-d]pyrimidines. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 108-115. | 1.3 | 1 |
| 144 | Structure-based design of a potent purine-based cyclin-dependent kinase inhibitor. Nature Structural Biology, 2002, 9, 745-749. | 9.7 | 198 |

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| 145 | Hypoxanthine transport in human tumour cell lines. Relationship to the inhibition of hypoxanthine rescue by dipyridamole22Abbreviations: ENT, equilibrative nucleoside transporter; CNT, concentrative nucleoside transporter; DP, dipyridamole; HPX, hypoxanthine; NBTI, nitrobenzylthioinosine; TdR, thymidine; Kt, kinetic constant for tansport; and Tmax, maximum velocity for transport.. Biochemical Pharmacology, 2001, 61, 477-484. | 2.0 | 9 |
| 146 | Resistance-modifying agents. Part 7: 2,6-disubstituted-4,8-dibenzylaminopyrimido[5,4- d ]pyrimidines that inhibit nucleoside transport in the presence of Î± 1 -acid glycoprotein (AGP). Bioorganic and Medicinal Chemistry Letters, 2000, 10, 585-589. | 1.0 | 10 |
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| 148 | Identification of Novel Purine and Pyrimidine Cyclin-Dependent Kinase Inhibitors with Distinct Molecular Interactions and Tumor Cell Growth Inhibition Profiles. Journal of Medicinal Chemistry, 2000, 43, 2797-2804. | 2.9 | 203 |
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