

# Carlos Caldas

## 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.

401  
papers

59,149  
citations

104  
h-index

239  
g-index

454  
ext. papers

70,331  
ext. citations

13.4  
avg, IF

7.13  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 401 | The Molecular Tumor Board Portal supports clinical decisions and automated reporting for precision oncology.. <i>Nature Cancer</i> , <b>2022</b> , 3, 251-261   | 15.4 | 3         |
| 400 | Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors.. <i>Cell Reports</i> , <b>2022</b> , 38, 110418                                    | 10.6 | 0         |
| 399 | Modeling the Prognostic Impact of Circulating Tumor Cells Enumeration in Metastatic Breast Cancer for Clinical Trial Design Simulation.. <i>Oncologist</i> , <b>2022</b> ,  | 5.7  | 4         |
| 398 | Preclinical In Vivo Validation of the RAD51 Test for Identification of Homologous Recombination-Deficient Tumors and Patient Stratification.. <i>Cancer Research</i> , <b>2022</b> , 82, 1646-1657                    | 10.1 | 4         |
| 397 | Residual cancer burden after neoadjuvant chemotherapy and long-term survival outcomes in breast cancer: a multicentre pooled analysis of 5161 patients.. <i>Lancet Oncology</i> , <b>2021</b> ,                       | 21.7 | 16        |
| 396 | Multi-omic machine learning predictor of breast cancer therapy response. <i>Nature</i> , <b>2021</b> ,  | 50.4 | 15        |
| 395 | Positive correlation between transcriptomic stemness and PI3K/AKT/mTOR signaling scores in breast cancer, and a counterintuitive relationship with PIK3CA genotype. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009876 | 6.76 | 0         |
| 394 | Clonal populations of a human TNBC model display significant functional heterogeneity and divergent growth dynamics in distinct contexts. <i>Oncogene</i> , <b>2021</b> ,   | 9.2  | 2         |
| 393 | Hyperpolarized Carbon-13 MRI for Early Response Assessment of Neoadjuvant Chemotherapy in Breast Cancer Patients. <i>Cancer Research</i> , <b>2021</b> , 81, 6004-6017  | 10.1 | 4         |
| 392 | Determinants of anti-PD-1 response and resistance in clear cell renal cell carcinoma. <i>Cancer Cell</i> , <b>2021</b> , 39, 1497-1518.e11  | 24.3 | 14        |
| 391 | Time-resolved single-cell analysis of Brca1 associated mammary tumorigenesis reveals aberrant differentiation of luminal progenitors. <i>Nature Communications</i> , <b>2021</b> , 12, 1502                           | 17.4 | 9         |
| 390 | Landscapes of cellular phenotypic diversity in breast cancer xenografts and their impact on drug response. <i>Nature Communications</i> , <b>2021</b> , 12, 1998  | 17.4 | 12        |
| 389 | PI3K activation promotes resistance to eribulin in HER2-negative breast cancer. <i>British Journal of Cancer</i> , <b>2021</b> , 124, 1581-1591   | 8.7  | 4         |
| 388 | Characterisation of PALB2 tumours through whole-exome and whole-transcriptomic analyses. <i>Npj Breast Cancer</i> , <b>2021</b> , 7, 46   | 7.8  | 1         |
| 387 | Intestinal microbiota influences clinical outcome and side effects of early breast cancer treatment. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 2778-2796  | 12.7 | 13        |
| 386 | Deciphering the signaling network of breast cancer improves drug sensitivity prediction. <i>Cell Systems</i> , <b>2021</b> , 12, 401-418.e12  | 10.6 | 6         |
| 385 | High-throughput surface marker screen on primary human breast tissues reveals further cellular heterogeneity. <i>Breast Cancer Research</i> , <b>2021</b> , 23, 66  | 8.3  | 1         |

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| 384 | The temporal mutational and immune tumour microenvironment remodelling of HER2-negative primary breast cancers. <i>Npj Breast Cancer</i> , <b>2021</b> , 7, 73  | 7.8  | 2  |
| 383 | Clinical utility of whole-genome sequencing in precision oncology. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,  | 12.7 | 7  |
| 382 | Analytical demands to use whole-genome sequencing in precision oncology. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,  | 12.7 | 3  |
| 381 | Clonal fitness inferred from time-series modelling of single-cell cancer genomes. <i>Nature</i> , <b>2021</b> , 595, 585-590  | 5.9  | 10 |
| 380 | Clinical interpretation of whole-genome and whole-transcriptome sequencing for precision oncology. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,  | 12.7 | 3  |
| 379 | Serial Analysis of Circulating Tumor Cells in Metastatic Breast Cancer Receiving First-Line Chemotherapy. <i>Journal of the National Cancer Institute</i> , <b>2021</b> , 113, 443-452  | 9.7  | 8  |
| 378 | NRG1 fusions in breast cancer. <i>Breast Cancer Research</i> , <b>2021</b> , 23, 3  | 8.3  | 6  |
| 377 | FGFR1 amplification or overexpression and hormonal resistance in luminal breast cancer: rationale for a triple blockade of ER, CDK4/6, and FGFR1. <i>Breast Cancer Research</i> , <b>2021</b> , 23, 21                            | 8.3  | 4  |
| 376 | Functional genomics approaches to improve pre-clinical drug screening and biomarker discovery. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13189  | 12   | 2  |
| 375 | Circulating tumor DNA is readily detectable among Ghanaian breast cancer patients supporting non-invasive cancer genomic studies in Africa. <i>Npj Precision Oncology</i> , <b>2021</b> , 5, 83                                   | 9.8  | 0  |
| 374 | Metabolic imaging with hyperpolarized [1-C] pyruvate in patient-derived preclinical mouse models of breast cancer. <i>STAR Protocols</i> , <b>2021</b> , 2, 100608  | 1.4  | 1  |
| 373 | 3D deformable registration of longitudinal abdominopelvic CT images using unsupervised deep learning. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 208, 106261   | 6.9  | 3  |
| 372 | DNA methylation landscapes of 1538 breast cancers reveal a replication-linked clock, epigenomic instability and cis-regulation. <i>Nature Communications</i> , <b>2021</b> , 12, 5406   | 17.4 | 6  |
| 371 | Germline APOBEC3B deletion increases somatic hypermutation in Asian breast cancer that is associated with Her2 subtype, PIK3CA mutations, and immune activation. <i>International Journal of Cancer</i> , <b>2021</b> , 148, 2489 | 7.5  | 7  |
| 370 | Age-correlated protein and transcript expression in breast cancer and normal breast tissues is dominated by host endocrine effects.. <i>Nature Cancer</i> , <b>2020</b> , 1, 518-532  | 15.4 | 7  |
| 369 | Transcriptional profiling reveals a subset of human breast tumors that retain wt TP53 but display mutant p53-associated features. <i>Molecular Oncology</i> , <b>2020</b> , 14, 1640-1652   | 7.9  | 2  |
| 368 | Trial watch : the gut microbiota as a tool to boost the clinical efficacy of anticancer immunotherapy. <i>Oncolimmunology</i> , <b>2020</b> , 9, 1774298  | 7.2  | 13 |
| 367 | ctDNA monitoring using patient-specific ctDNA sequencing and integration of variant reads. <i>Science Translational Medicine</i> , <b>2020</b> , 12,  | 17.5 | 57 |

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| 366 | Representative Sequencing: Unbiased Sampling of Solid Tumor Tissue. <i>Cell Reports</i> , <b>2020</b> , 31, 107550   | 10.6 | 19 |
| 365 | The GATA3 X308_Splice breast cancer mutation is a hormone context-dependent oncogenic driver. <i>Oncogene</i> , <b>2020</b> , 39, 5455-5467  | 9.2  | 6  |
| 364 | Cancer-associated fibroblast compositions change with breast cancer progression linking the ratio of S100A4 and PDPN CAFs to clinical outcome.. <i>Nature Cancer</i> , <b>2020</b> , 1, 692-708  | 15.4 | 53 |
| 363 | Support systems to guide clinical decision-making in precision oncology: The Cancer Core Europe Molecular Tumor Board Portal. <i>Nature Medicine</i> , <b>2020</b> , 26, 992-994                 | 50.5 | 19 |
| 362 | Imaging breast cancer using hyperpolarized carbon-13 MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2092-2098                  | 11.5 | 71 |
| 361 | Imaging mass cytometry and multiplatform genomics define the phenogenomic landscape of breast cancer.. <i>Nature Cancer</i> , <b>2020</b> , 1, 163-175   | 15.4 | 90 |
| 360 | A network analysis to identify mediators of germline-driven differences in breast cancer prognosis. <i>Nature Communications</i> , <b>2020</b> , 11, 312   | 17.4 | 20 |
| 359 | Six versus 12 months Padjuvant trastuzumab in patients with HER2-positive early breast cancer: the PERSEPHONE non-inferiority RCT. <i>Health Technology Assessment</i> , <b>2020</b> , 24, 1-190 | 4.4  | 2  |
| 358 | Deep Sequencing of B Cell Receptor Repertoires From COVID-19 Patients Reveals Strong Convergent Immune Signatures. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 605170                     | 8.4  | 38 |
| 357 | The molecular landscape of Asian breast cancers reveals clinically relevant population-specific differences. <i>Nature Communications</i> , <b>2020</b> , 11, 6433                               | 17.4 | 9  |
| 356 | DNA copy number motifs are strong and independent predictors of survival in breast cancer. <i>Communications Biology</i> , <b>2020</b> , 3, 153  | 6.7  | 4  |
| 355 | ARID1A influences HDAC1/BRD4 activity, intrinsic proliferative capacity and breast cancer treatment response. <i>Nature Genetics</i> , <b>2020</b> , 52, 187-197                                 | 36.3 | 47 |
| 354 | Association Between Levels of Sex Hormones and Risk of Esophageal Adenocarcinoma and Barrett's Esophagus. <i>Clinical Gastroenterology and Hepatology</i> , <b>2020</b> , 18, 2701-2709.e3       | 6.9  | 8  |
| 353 | Metabolic Imaging Detects Resistance to PI3K Inhibition Mediated by Persistent FOXM1 Expression in ER Breast Cancer. <i>Cancer Cell</i> , <b>2020</b> , 38, 516-533.e9                           | 24.3 | 14 |
| 352 | Hyperpolarized C MRI of Tumor Metabolism Demonstrates Early Metabolic Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Radiology Imaging Cancer</i> , <b>2020</b> , 2, e200017          | 1.4  | 15 |
| 351 | Towards a cancer mission in Horizon Europe: recommendations. <i>Molecular Oncology</i> , <b>2020</b> , 14, 1589-1615.9   | 5.9  | 15 |
| 350 | Landscape of G-quadruplex DNA structural regions in breast cancer. <i>Nature Genetics</i> , <b>2020</b> , 52, 878-883  | 36.3 | 59 |
| 349 | Sex differences in oncogenic mutational processes. <i>Nature Communications</i> , <b>2020</b> , 11, 4330   | 17.4 | 23 |

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| 348 | Sex-Specific Genetic Associations for Barrett's Esophagus and Esophageal Adenocarcinoma. <i>Gastroenterology</i> , <b>2020</b> , 159, 2065-2076.e1   | 13.3 | 4   |
| 347 | Association of Sperm-Associated Antigen 5 and Treatment Response in Patients With Estrogen Receptor-Positive Breast Cancer. <i>JAMA Network Open</i> , <b>2020</b> , 3, e209486  | 10.4 | 2   |
| 346 | Fbxl17 is rearranged in breast cancer and loss of its activity leads to increased global O-GlcNAcylation. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 2605-2620  | 10.3 | 5   |
| 345 | Caring for patients with cancer in the COVID-19 era. <i>Nature Medicine</i> , <b>2020</b> , 26, 665-671  | 50.5 | 201 |
| 344 | Genetic Alterations in the PI3K/AKT Pathway and Baseline AKT Activity Define AKT Inhibitor Sensitivity in Breast Cancer Patient-derived Xenografts. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 3720-3731                    | 12.9 | 10  |
| 343 | Cancer Core Europe: A translational research infrastructure for a European mission on cancer. <i>Molecular Oncology</i> , <b>2019</b> , 13, 521-527  | 7.9  | 22  |
| 342 | The circular RNome of primary breast cancer. <i>Genome Research</i> , <b>2019</b> , 29, 356-366  | 9.7  | 55  |
| 341 | Chlorambucil targets BRCA1/2-deficient tumours and counteracts PARP inhibitor resistance. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e9982   | 12   | 17  |
| 340 | Chromosome 12p Amplification in Triple-Negative/Mutated Breast Cancer Associates with Emergence of Docetaxel Resistance and Carboplatin Sensitivity. <i>Cancer Research</i> , <b>2019</b> , 79, 4258-4270                            | 10.1 | 6   |
| 339 | Is a Transcriptional Dependency in Triple-Negative Breast Cancer Associated with Brain Metastasis. <i>Cancer Research</i> , <b>2019</b> , 79, 4173-4183  | 10.1 | 20  |
| 338 | 6 versus 12 months of adjuvant trastuzumab for HER2-positive early breast cancer (PERSEPHONE): 4-year disease-free survival results of a randomised phase 3 non-inferiority trial. <i>Lancet, The</i> , <b>2019</b> , 393, 2599-2612 | 40   | 131 |
| 337 | The Genomic and Immune Landscapes of Lethal Metastatic Breast Cancer. <i>Cell Reports</i> , <b>2019</b> , 27, 2690-2708.e198   | 10.8 | 198 |
| 336 | A key genomic subtype associated with lymphovascular invasion in invasive breast cancer. <i>British Journal of Cancer</i> , <b>2019</b> , 120, 1129-1136   | 8.7  | 12  |
| 335 | EZH2 Is Overexpressed in -like Breast Tumors and Predictive for Sensitivity to High-Dose Platinum-Based Chemotherapy. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 4351-4362  | 12.9 | 23  |
| 334 | PDLIM2 Is a Marker of Adhesion and $\beta$ Catenin Activity in Triple-Negative Breast Cancer. <i>Cancer Research</i> , <b>2019</b> , 79, 2619-2633   | 10.1 | 9   |
| 333 | Cancer Treatment in the Genomic Era. <i>Annual Review of Biochemistry</i> , <b>2019</b> , 88, 247-280  | 29.1 | 14  |
| 332 | Dynamics of breast-cancer relapse reveal late-recurring ER-positive genomic subgroups. <i>Nature</i> , <b>2019</b> , 567, 399-404  | 50.4 | 108 |
| 331 | miR-342-5p as a Potential Regulator of HER2 Breast Cancer Cell Growth. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , <b>2019</b> , 8, 155-165  | 2.9  | 17  |

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| 330 | Combined quantitative measures of ER, PR, HER2, and KI67 provide more prognostic information than categorical combinations in luminal breast cancer. <i>Modern Pathology</i> , <b>2019</b> , 32, 1244-1256   | 9.8  | 24  |
| 329 | No Association Between Vitamin D Status and Risk of Barrett's Esophagus or Esophageal Adenocarcinoma: A Mendelian Randomization Study. <i>Clinical Gastroenterology and Hepatology</i> , <b>2019</b> , 17, 2227-2235.e1  | 6.9  | 8   |
| 328 | Genome-wide association study of germline variants and breast cancer-specific mortality. <i>British Journal of Cancer</i> , <b>2019</b> , 120, 647-657   | 8.7  | 28  |
| 327 | Clonal replacement and heterogeneity in breast tumors treated with neoadjuvant HER2-targeted therapy. <i>Nature Communications</i> , <b>2019</b> , 10, 657   | 17.4 | 30  |
| 326 | Personalized circulating tumor DNA analysis to detect residual disease after neoadjuvant therapy in breast cancer. <i>Science Translational Medicine</i> , <b>2019</b> , 11,   | 17.5 | 106 |
| 325 | BET Inhibition as a Rational Therapeutic Strategy for Invasive Lobular Breast Cancer. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 7139-7150  | 12.9 | 9   |
| 324 | POSEIDON Trial Phase 1b Results: Safety, Efficacy and Circulating Tumor DNA Response of the Beta Isoform-Sparing PI3K Inhibitor Taselisib (GDC-0032) Combined with Tamoxifen in Hormone Receptor Positive Metastatic Breast Cancer Patients. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 6598-6605 | 12.9 | 11  |
| 323 | Clonal Decomposition and DNA Replication States Defined by Scaled Single-Cell Genome Sequencing. <i>Cell</i> , <b>2019</b> , 179, 1207-1221.e22  | 56.2 | 73  |
| 322 | Tumor diversity and the trade-off between universal cancer tasks. <i>Nature Communications</i> , <b>2019</b> , 10, 5423  | 17.4 | 18  |
| 321 | PathTracer: High-sensitivity detection of differential pathway activity in tumours. <i>Scientific Reports</i> , <b>2019</b> , 9, 16332   | 4.9  | 1   |
| 320 | The clinical use of circulating tumor cells (CTCs) enumeration for staging of metastatic breast cancer (MBC): International expert consensus paper. <i>Critical Reviews in Oncology/Hematology</i> , <b>2019</b> , 134, 39-45  | 7    | 129 |
| 319 | Next Generation-Targeted Amplicon Sequencing (NG-TAS): an optimised protocol and computational pipeline for cost-effective profiling of circulating tumour DNA. <i>Genome Medicine</i> , <b>2019</b> , 11, 1   | 14.4 | 32  |
| 318 | High USP6NL Levels in Breast Cancer Sustain Chronic AKT Phosphorylation and GLUT1 Stability Fueling Aerobic Glycolysis. <i>Cancer Research</i> , <b>2018</b> , 78, 3432-3444   | 10.1 | 34  |
| 317 | SILAC identifies LAD1 as a filamin-binding regulator of actin dynamics in response to EGF and a marker of aggressive breast tumors. <i>Science Signaling</i> , <b>2018</b> , 11,   | 8.8  | 21  |
| 316 | Determining Risk of Barrett's Esophagus and Esophageal Adenocarcinoma Based on Epidemiologic Factors and Genetic Variants. <i>Gastroenterology</i> , <b>2018</b> , 154, 1273-1281.e3   | 13.3 | 43  |
| 315 | Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element. <i>Cell</i> , <b>2018</b> , 173, 1398-1411.e22226   | 13.1 | 26  |
| 314 | Germline pathogenic variants in PALB2 and other cancer-predisposing genes in families with hereditary diffuse gastric cancer without CDH1 mutation: a whole-exome sequencing study. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2018</b> , 3, 489-498   | 18.8 | 58  |
| 313 | Shallow whole genome sequencing for robust copy number profiling of formalin-fixed paraffin-embedded breast cancers. <i>Experimental and Molecular Pathology</i> , <b>2018</b> , 104, 161-169  | 4.4  | 14  |

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| 312 | Interactions Between Genetic Variants and Environmental Factors Affect Risk of Esophageal Adenocarcinoma and Barrett's Esophagus. <i>Clinical Gastroenterology and Hepatology</i> , <b>2018</b> , 16, 1598-1606.  | 6.9  | 14   |
| 311 | Comparative study of endoscopic surveillance in hereditary diffuse gastric cancer according to CDH1 mutation status. <i>Gastrointestinal Endoscopy</i> , <b>2018</b> , 87, 408-418  | 5.2  | 66   |
| 310 | Saccharomyces cerevisiae-like 1 (SEC14L1) is a prognostic factor in breast cancer associated with lymphovascular invasion. <i>Modern Pathology</i> , <b>2018</b> , 31, 1675-1682  | 9.8  | 7    |
| 309 | Shieldin complex promotes DNA end-joining and counters homologous recombination in BRCA1-null cells. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 954-965   | 23.4 | 178  |
| 308 | SOX4 can redirect TGF- $\beta$ -mediated SMAD3-transcriptional output in a context-dependent manner to promote tumorigenesis. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 9578-9590   | 20.1 | 23   |
| 307 | Therapeutic relevance of the PP2A-B55 inhibitory kinase MASTL/Greatwall in breast cancer. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 828-840   | 12.7 | 53   |
| 306 | PERSEPHONE: 6 versus 12 months (m) of adjuvant trastuzumab in patients (pts) with HER2 positive (+) early breast cancer (EBC): Randomised phase 3 non-inferiority trial with definitive 4-year (yr) disease-free survival (DFS) results.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 506-506 | 2.2  | 45   |
| 305 | Global transcriptional analysis identifies a novel role for SOX4 in tumor-induced angiogenesis. <i>ELife</i> , <b>2018</b> , 7,   | 8.9  | 24   |
| 304 | A RAD51 assay feasible in routine tumor samples calls PARP inhibitor response beyond BRCA mutation. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,  | 12   | 85   |
| 303 | Cancer Core Europe: A European cancer research alliance realizing a research infrastructure with critical mass and programmatic approach to cure cancer in the 21st century. <i>European Journal of Cancer</i> , <b>2018</b> , 103, 155-159   | 7.5  | 11   |
| 302 | Computational approach to discriminate human and mouse sequences in patient-derived tumour xenografts. <i>BMC Genomics</i> , <b>2018</b> , 19, 19   | 4.5  | 35   |
| 301 | Effects of Collection and Processing Procedures on Plasma Circulating Cell-Free DNA from Cancer Patients. <i>Journal of Molecular Diagnostics</i> , <b>2018</b> , 20, 883-892   | 5.1  | 57   |
| 300 | MAP3K1 and MAP2K4 mutations are associated with sensitivity to MEK inhibitors in multiple cancer models. <i>Cell Research</i> , <b>2018</b> , 28, 719-729   | 24.7 | 57   |
| 299 | E-catenin is a candidate tumor suppressor for the development of E-cadherin-expressing lobular-type breast cancer. <i>Journal of Pathology</i> , <b>2018</b> , 245, 456-467   | 9.4  | 15   |
| 298 | Dynamics of multiple resistance mechanisms in plasma DNA during EGFR-targeted therapies in non-small cell lung cancer. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,   | 12   | 43   |
| 297 | Interrogating open issues in cancer precision medicine with patient-derived xenografts. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 254-268  | 31.3 | 369  |
| 296 | Liquid biopsies come of age: towards implementation of circulating tumour DNA. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 223-238   | 31.3 | 1192 |
| 295 | High-risk individuals' perceptions of reproductive genetic testing for CDH1 mutations. <i>Familial Cancer</i> , <b>2017</b> , 16, 531-535   | 3    | 3    |



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| 294 | CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours. <i>Nature Communications</i> , <b>2017</b> , 8, 14432  | 17.4 | 251 |
| 293 | Ki67 expression in invasive breast cancer: the use of tissue microarrays compared with whole tissue sections. <i>Breast Cancer Research and Treatment</i> , <b>2017</b> , 164, 341-348   | 4.4  | 33  |
| 292 | Addition of gemcitabine to paclitaxel, epirubicin, and cyclophosphamide adjuvant chemotherapy for women with early-stage breast cancer (tAnGo): final 10-year follow-up of an open-label, randomised, phase 3 trial. <i>Lancet Oncology, The</i> , <b>2017</b> , 18, 755-769 | 21.7 | 13  |
| 291 | Therapeutic Rationale to Target Highly Expressed CDK7 Conferring Poor Outcomes in Triple-Negative Breast Cancer. <i>Cancer Research</i> , <b>2017</b> , 77, 3834-3845  | 10.1 | 58  |
| 290 | Central pathology review with two-stage quality assurance for pathological response after neoadjuvant chemotherapy in the ARTemis Trial. <i>Modern Pathology</i> , <b>2017</b> , 30, 1069-1077   | 9.8  | 10  |
| 289 | Integrative clustering reveals a novel split in the luminal A subtype of breast cancer with impact on outcome. <i>Breast Cancer Research</i> , <b>2017</b> , 19, 44  | 8.3  | 57  |
| 288 | Germline variation in inflammation-related pathways and risk of Barrett's oesophagus and oesophageal adenocarcinoma. <i>Gut</i> , <b>2017</b> , 66, 1739-1747  | 19.2 | 24  |
| 287 | Somatic mutations reveal asymmetric cellular dynamics in the early human embryo. <i>Nature</i> , <b>2017</b> , 543, 714-718  | 50.4 | 157 |
| 286 | PDX-MI: Minimal Information for Patient-Derived Tumor Xenograft Models. <i>Cancer Research</i> , <b>2017</b> , 77, e62-e66   | 10.1 | 65  |
| 285 | The BRCA1ness signature is associated significantly with response to PARP inhibitor treatment versus control in the I-SPY 2 randomized neoadjuvant setting. <i>Breast Cancer Research</i> , <b>2017</b> , 19, 99   | 8.3  | 38  |
| 284 | Rho-GTPase activating-protein 18: a biomarker associated with good prognosis in invasive breast cancer. <i>British Journal of Cancer</i> , <b>2017</b> , 117, 1176-1184  | 8.7  | 10  |
| 283 | A mutational signature reveals alterations underlying deficient homologous recombination repair in breast cancer. <i>Nature Genetics</i> , <b>2017</b> , 49, 1476-1486   | 36.3 | 255 |
| 282 | Breast Cancer Molecular Stratification: From Intrinsic Subtypes to Integrative Clusters. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 2152-2162   | 5.8  | 114 |
| 281 | Predicting treatment resistance and relapse through circulating DNA. <i>Breast</i> , <b>2017</b> , 34 Suppl 1, S31-S35   | 3.6  | 15  |
| 280 | Intersect-then-combine approach: improving the performance of somatic variant calling in whole exome sequencing data using multiple aligners and callers. <i>Genome Medicine</i> , <b>2017</b> , 9, 35   | 14.4 | 35  |
| 279 | The Psychosocial Impact of Undergoing Prophylactic Total Gastrectomy (PTG) to Manage the Risk of Hereditary Diffuse Gastric Cancer (HDGC). <i>Journal of Genetic Counseling</i> , <b>2017</b> , 26, 752-762  | 2.5  | 21  |
| 278 | Further evidence to support bimodality of oestrogen receptor expression in breast cancer. <i>Histopathology</i> , <b>2017</b> , 70, 456-465  | 7.3  | 9   |
| 277 | Body mass index and breast cancer survival: a Mendelian randomization analysis. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 1814-1822   | 7.8  | 27  |



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| 276 | Integrative analysis of copy number and gene expression in breast cancer using formalin-fixed paraffin-embedded core biopsy tissue: a feasibility study. <i>BMC Genomics</i> , <b>2017</b> , 18, 526  | 4.5  | 10  |
| 275 | Data-driven analysis of immune infiltrate in a large cohort of breast cancer and its association with disease progression, ER activity, and genomic complexity. <i>Oncotarget</i> , <b>2017</b> , 8, 57121-57133  | 3.3  | 24  |
| 274 | Genome-wide association studies in oesophageal adenocarcinoma and Barrett's oesophagus: a large-scale meta-analysis. <i>Lancet Oncology</i> , <b>2016</b> , 17, 1363-1373   | 21.7 | 94  |
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| 6 | Cancer-associated fibroblast compositions change with breast-cancer progression linking S100A4 and PDPN ratios with clinical outcome | 5  |
| 5 | Deep sequencing of B cell receptor repertoires from COVID-19 patients reveals strong convergent immune signatures                    | 11 |
| 4 | Transcriptomically-inferred PI3K activity and stemness show a counterintuitive correlation with PIK3CA genotype in breast cancer     | 2  |
| 3 | Universal cancer tasks, evolutionary tradeoffs, and the functions of driver mutations  | 1  |
| 2 | Detection of residual disease after neoadjuvant therapy in breast cancer using personalized circulating tumor DNA analysis           | 2  |
| 1 | The GATA3 X308_Splice breast cancer mutation is a hormone context-dependent oncogenic driver   | 1  |