Diether Lambrechts

List of Publications by Citations

477 papers	36,016 citations	90 h-index	178 g-index
596 ext. papers	43,702 ext. citations	10.6 avg, IF	6.43 L-index

#	Paper	IF	Citations
477	Effects of KRAS, BRAF, NRAS, and PIK3CA mutations on the efficacy of cetuximab plus chemotherapy in chemotherapy-refractory metastatic colorectal cancer: a retrospective consortium analysis. *Lancet Oncology, The*, **2010**, 11, 753-62	21.7	1653
476	Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. *Lancet, The*, **2012**, 380, 572-80	40	1523
475	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. *Nature Genetics*, **2011**, 43, 333-8	36.3	1394
474	Large-scale genotyping identifies 41 new loci associated with breast cancer risk. *Nature Genetics*, **2013**, 45, 353-61, 361e1-2	36.3	813
473	Addition of cetuximab to oxaliplatin-based first-line combination chemotherapy for treatment of advanced colorectal cancer: results of the randomised phase 3 MRC COIN trial. *Lancet, The*, **2011**, 377, 2103-14	40	762
472	VEGF is a modifier of amyotrophic lateral sclerosis in mice and humans and protects motoneurons against ischemic death. *Nature Genetics*, **2003**, 34, 383-94	36.3	712
471	Gene prioritization through genomic data fusion. *Nature Biotechnology*, **2006**, 24, 537-44	44.5	685
470	Association analysis identifies 65 new breast cancer risk loci. *Nature*, **2017**, 551, 92-94	50.4	643
469	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. *Nature Medicine*, **2003**, 9, 936-43	50.5	631
468	Phenotype molding of stromal cells in the lung tumor microenvironment. *Nature Medicine*, **2018**, 24, 1277-1289	50.5	607
467	Associations of breast cancer risk factors with tumor subtypes: a pooled analysis from the Breast Cancer Association Consortium studies. *Journal of the National Cancer Institute*, **2011**, 103, 250-63	9.7	513
466	Treatment of motoneuron degeneration by intracerebroventricular delivery of VEGF in a rat model of ALS. *Nature Neuroscience*, **2005**, 8, 85-92	25.5	429
465	Association between BRCA1 and BRCA2 mutations and survival in women with invasive epithelial ovarian cancer. *JAMA - Journal of the American Medical Association*, **2012**, 307, 382-90	27.4	427
464	VEGF: once regarded as a specific angiogenic factor, now implicated in neuroprotection. *BioEssays*, **2004**, 26, 943-54	4.1	423
463	Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. *Nature Genetics*, **2013**, 45, 371-84, 384e1-2	36.3	422
462	Thrombomodulin mutations in atypical hemolytic-uremic syndrome. *New England Journal of Medicine*, **2009**, 361, 345-57	59.2	418
461	Genome-wide association analysis of more than 120,000 individuals identifies 15 new susceptibility loci for breast cancer. *Nature Genetics*, **2015**, 47, 373-80	36.3	406

460	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. *Nature*, **2014**, 514, 92-97	50.4	401
459	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. *Nature Genetics*, **2008**, 40, 170-80	36.3	383
458	Polygenic Risk Scores for Prediction of Breast Cancer and Breast Cancer Subtypes. *American Journal of Human Genetics*, **2019**, 104, 21-34	11	363
457	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. *Nature*, **2016**, 537, 63-68	50.4	354
456	Gain of function of mutant p53 by coaggregation with multiple tumor suppressors. *Nature Chemical Biology*, **2011**, 7, 285-95	11.7	345
455	Genome-wide association studies identify four ER negative-specific breast cancer risk loci. *Nature Genetics*, **2013**, 45, 392-8, 398e1-2	36.3	327
454	Inhibition of the Glycolytic Activator PFKFB3 in Endothelium Induces Tumor Vessel Normalization, Impairs Metastasis, and Improves Chemotherapy. *Cancer Cell*, **2016**, 30, 968-985	24.3	325
453	Prediction of breast cancer risk based on profiling with common genetic variants. *Journal of the National Cancer Institute*, **2015**, 107,	9.7	324
452	Progranulin functions as a neurotrophic factor to regulate neurite outgrowth and enhance neuronal survival. *Journal of Cell Biology*, **2008**, 181, 37-41	7.3	322
451	Role and therapeutic potential of VEGF in the nervous system. *Physiological Reviews*, **2009**, 89, 607-48	47.9	319
450	Vitamin D deficiency is highly prevalent in COPD and correlates with variants in the vitamin D-binding gene. *Thorax*, **2010**, 65, 215-20	7.3	308
449	Underestimated and under-recognized: the late consequences of acute coronary syndrome (GRACE UK-Belgian Study). *European Heart Journal*, **2010**, 31, 2755-64	9.5	306
448	A genome-wide association study identifies susceptibility loci for ovarian cancer at 2q31 and 8q24. *Nature Genetics*, **2010**, 42, 874-9	36.3	277
447	Neurovascular signalling defects in neurodegeneration. *Nature Reviews Neuroscience*, **2008**, 9, 169-81	13.5	277
446	A locus on 19p13 modifies risk of breast cancer in BRCA1 mutation carriers and is associated with hormone receptor-negative breast cancer in the general population. *Nature Genetics*, **2010**, 42, 885-92	36.3	276
445	PIK3CA mutations are not a major determinant of resistance to the epidermal growth factor receptor inhibitor cetuximab in metastatic colorectal cancer. *Clinical Cancer Research*, **2009**, 15, 3184-8	12.9	276
444	Genome dynamics of the human embryonic kidney 293 lineage in response to cell biology manipulations. *Nature Communications*, **2014**, 5, 4767	17.4	275
443	Markers of response for the antiangiogenic agent bevacizumab. *Journal of Clinical Oncology*, **2013**, 31, 1219-30	2.2	272

442	p53 induces formation of NEAT1 lncRNA-containing paraspeckles that modulate replication stress response and chemosensitivity. *Nature Medicine*, **2016**, 22, 861-8	50.5	271
441	GWAS meta-analysis and replication identifies three new susceptibility loci for ovarian cancer. *Nature Genetics*, **2013**, 45, 362-70, 370e1-2	36.3	267
440	Genomic analyses identify hundreds of variants associated with age at menarche and support a role for puberty timing in cancer risk. *Nature Genetics*, **2017**, 49, 834-841	36.3	257
439	VEGF: a modifier of the del22q11 (DiGeorge) syndrome?. *Nature Medicine*, **2003**, 9, 173-82	50.5	256
438	A common variant at the TERT-CLPTM1L locus is associated with estrogen receptor-negative breast cancer. *Nature Genetics*, **2011**, 43, 1210-4	36.3	253
437	Genome-wide association analysis identifies three new breast cancer susceptibility loci. *Nature Genetics*, **2012**, 44, 312-8	36.3	237
436	Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. *Nature Genetics*, **2015**, 47, 1294-1303	36.3	226
435	Common variants at 19p13 are associated with susceptibility to ovarian cancer. *Nature Genetics*, **2010**, 42, 880-4	36.3	210
434	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. *Cell*, **2018**, 175, 400-415.e13	56.2	201
433	A genetic Xenopus laevis tadpole model to study lymphangiogenesis. *Nature Medicine*, **2005**, 11, 998-1004	50.5	191
432	Identification of 12 new susceptibility loci for different histotypes of epithelial ovarian cancer. *Nature Genetics*, **2017**, 49, 680-691	36.3	190
431	Identification of ten variants associated with risk of estrogen-receptor-negative breast cancer. *Nature Genetics*, **2017**, 49, 1767-1778	36.3	186
430	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. *Developmental Cell*, **2017**, 40, 313-322.e5	10.2	181
429	Plasma circulating tumor DNA as an alternative to metastatic biopsies for mutational analysis in breast cancer. *Annals of Oncology*, **2014**, 25, 1959-1965	10.3	181
428	Identification of six new susceptibility loci for invasive epithelial ovarian cancer. *Nature Genetics*, **2015**, 47, 164-71	36.3	177
427	Genomic Characterization of Primary Invasive Lobular Breast Cancer. *Journal of Clinical Oncology*, **2016**, 34, 1872-81	2.2	175
426	Large-scale gene-centric analysis identifies novel variants for coronary artery disease. *PLoS Genetics* , **2011**, 7, e1002260	6	175
425	Prognostic significance of POLE proofreading mutations in endometrial cancer. *Journal of the National Cancer Institute*, **2015**, 107, 402	9.7	169

424	The role of fatty acid □oxidation in lymphangiogenesis. *Nature*, **2017**, 542, 49-54	50.4	167
423	Functional variants at the 11q13 risk locus for breast cancer regulate cyclin D1 expression through long-range enhancers. *American Journal of Human Genetics*, **2013**, 92, 489-503	11	167
422	Optimized filtering reduces the error rate in detecting genomic variants by short-read sequencing. *Nature Biotechnology*, **2011**, 30, 61-8	44.5	163
421	25(OH)D2 half-life is shorter than 25(OH)D3 half-life and is influenced by DBP concentration and genotype. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 3373-81	5.6	154
420	VEGF pathway genetic variants as biomarkers of treatment outcome with bevacizumab: an analysis of data from the AViTA and AVOREN randomised trials. *Lancet Oncology, The*, **2012**, 13, 724-33	21.7	154
419	Patient-derived organoids from endometrial disease capture clinical heterogeneity and are amenable to drug screening. *Nature Cell Biology*, **2019**, 21, 1041-1051	23.4	146
418	Low penetrance breast cancer susceptibility loci are associated with specific breast tumor subtypes: findings from the Breast Cancer Association Consortium. *Human Molecular Genetics*, **2011** , 20, 3289-303	5.6	140
417	CPS1 maintains pyrimidine pools and DNA synthesis in KRAS/LKB1-mutant lung cancer cells. *Nature*, **2017**, 546, 168-172	50.4	136
416	The BRCA1-□11q Alternative Splice Isoform Bypasses Germline Mutations and Promotes Therapeutic Resistance to PARP Inhibition and Cisplatin. *Cancer Research*, **2016**, 76, 2778-90	10.1	136
415	CHEK2*1100delC heterozygosity in women with breast cancer associated with early death, breast cancer-specific death, and increased risk of a second breast cancer. *Journal of Clinical Oncology*, **2012**, 30, 4308-16	2.2	134
414	Lessons from the adjuvant bevacizumab trial on colon cancer: what next?. *Journal of Clinical Oncology*, **2011**, 29, 1-4	2.2	133
413	CYP2D6 genotype and adjuvant tamoxifen: meta-analysis of heterogeneous study populations. *Clinical Pharmacology and Therapeutics*, **2014**, 95, 216-27	6.1	131
412	Semiautomated isolation and molecular characterisation of single or highly purified tumour cells from CellSearch enriched blood samples using dielectrophoretic cell sorting. *British Journal of Cancer*, **2013**, 108, 1358-67	8.7	131
411	Genomic landscape of carcinogen-induced and genetically induced mouse skin squamous cell carcinoma. *Nature Medicine*, **2015**, 21, 946-54	50.5	127
410	Epigenetic analysis leads to identification of HNF1B as a subtype-specific susceptibility gene for ovarian cancer. *Nature Communications*, **2013**, 4, 1628	17.4	124
409	Genome-wide association study identifies a common variant associated with risk of endometrial cancer. *Nature Genetics*, **2011**, 43, 451-4	36.3	121
408	PALB2, CHEK2 and ATM rare variants and cancer risk: data from COGS. *Journal of Medical Genetics*, **2016**, 53, 800-811	5.8	121
407	Sequencing an Ashkenazi reference panel supports population-targeted personal genomics and illuminates Jewish and European origins. *Nature Communications*, **2014**, 5, 4835	17.4	115

406	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. *EMBO Journal*, **2016**, 35, 924-41	13	114
405	Evidence of gene-environment interactions between common breast cancer susceptibility loci and established environmental risk factors. *PLoS Genetics*, **2013**, 9, e1003284	6	112
404	Somatic mutation profiling and associations with prognosis and trastuzumab benefit in early breast cancer. *Journal of the National Cancer Institute*, **2013**, 105, 960-7	9.7	112
403	Inhibition of tumor angiogenesis and growth by a small-molecule multi-FGF receptor blocker with allosteric properties. *Cancer Cell*, **2013**, 23, 477-88	24.3	110
402	A pan-cancer blueprint of the heterogeneous tumor microenvironment revealed by single-cell profiling. *Cell Research*, **2020**, 30, 745-762	24.7	108
401	Germline mutation in BRCA1 or BRCA2 and ten-year survival for women diagnosed with epithelial ovarian cancer. *Clinical Cancer Research*, **2015**, 21, 652-7	12.9	107
400	Genome-Wide Meta-Analyses of Breast, Ovarian, and Prostate Cancer Association Studies Identify Multiple New Susceptibility Loci Shared by at Least Two Cancer Types. *Cancer Discovery*, **2016**, 6, 1052-67	24.4	104
399	Transient PLK4 overexpression accelerates tumorigenesis in p53-deficient epidermis. *Nature Cell Biology*, **2016**, 18, 100-10	23.4	104
398	Novel role for vascular endothelial growth factor (VEGF) receptor-1 and its ligand VEGF-B in motor neuron degeneration. *Journal of Neuroscience*, **2008**, 28, 10451-9	6.6	104
397	The P450 oxidoreductase *28 SNP is associated with low initial tacrolimus exposure and increased dose requirements in CYP3A5-expressing renal recipients. *Pharmacogenomics*, **2011**, 12, 1281-91	2.6	102
396	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. *Cell Research*, **2021**, 31, 272-290	24.7	102
395	A transcriptome-wide association study of 229,000 women identifies new candidate susceptibility genes for breast cancer. *Nature Genetics*, **2018**, 50, 968-978	36.3	101
394	Common breast cancer susceptibility loci are associated with triple-negative breast cancer. *Cancer Research*, **2011**, 71, 6240-9	10.1	100
393	Quiescent Endothelial Cells Upregulate Fatty Acid β-Oxidation for Vasculoprotection via Redox Homeostasis. *Cell Metabolism*, **2018**, 28, 881-894.e13	24.6	99
392	Lineage-dependent gene expression programs influence the immune landscape of colorectal cancer. *Nature Genetics*, **2020**, 52, 594-603	36.3	96
391	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. *Cancer Cell*, **2020**, 37, 21-36.e13	24.3	93
390	Breast cancer risk variants at 6q25 display different phenotype associations and regulate ESR1, RMND1 and CCDC170. *Nature Genetics*, **2016**, 48, 374-86	36.3	93
389	19p13.1 is a triple-negative-specific breast cancer susceptibility locus. *Cancer Research*, **2012**, 72, 1795-803	10.1	93

388	HIF-1⍺ Promotes Glutamine-Mediated Redox Homeostasis and Glycogen-Dependent Bioenergetics to Support Postimplantation Bone Cell Survival. *Cell Metabolism*, **2016**, 23, 265-79	24.6	92
387	Identification of a BRCA2-specific modifier locus at 6p24 related to breast cancer risk. *PLoS Genetics*, **2013**, 9, e1003173	6	90
386	Evidence that breast cancer risk at the 2q35 locus is mediated through IGFBP5 regulation. *Nature Communications*, **2014**, 4, 4999	17.4	87
385	Identification and molecular characterization of a new ovarian cancer susceptibility locus at 17q21.31. *Nature Communications*, **2013**, 4, 1627	17.4	85
384	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. *Nature Genetics*, **2016**, 48, 519-27	36.3	83
383	No evidence that protein truncating variants in BRIP1 are associated with breast cancer risk: implications for gene panel testing. *Journal of Medical Genetics*, **2016**, 53, 298-309	5.8	83
382	Obesity and survival among women with ovarian cancer: results from the Ovarian Cancer Association Consortium. *British Journal of Cancer*, **2015**, 113, 817-26	8.7	80
381	Fine-scale mapping of the FGFR2 breast cancer risk locus: putative functional variants differentially bind FOXA1 and E2F1. *American Journal of Human Genetics*, **2013**, 93, 1046-60	11	80
380	Vitamin D status at breast cancer diagnosis: correlation with tumor characteristics, disease outcome, and genetic determinants of vitamin D insufficiency. *Carcinogenesis*, **2012**, 33, 1319-26	4.6	80
379	VEGF at the neurovascular interface: therapeutic implications for motor neuron disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2006**, 1762, 1109-21	6.9	80
378	Phylogenetic analysis of metastatic progression in breast cancer using somatic mutations and copy number aberrations. *Nature Communications*, **2017**, 8, 14944	17.4	79
377	Expression profiling of budding cells in colorectal cancer reveals an EMT-like phenotype and molecular subtype switching. *British Journal of Cancer*, **2017**, 116, 58-65	8.7	79
376	ABCA transporter gene expression and poor outcome in epithelial ovarian cancer. *Journal of the National Cancer Institute*, **2014**, 106,	9.7	79
375	LBA81 Keeping exhausted T-cells in check in COVID-19. *Annals of Oncology*, **2020**, 31, S1208	10.3	78
374	(Epi)genetic variation in ageing of metabolic fitness. *Archives of Public Health*, **2015**, 73,	2.6	78
373	The 15q24/25 susceptibility variant for lung cancer and chronic obstructive pulmonary disease is associated with emphysema. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 181, 486-93	10.2	77
372	Association of vitamin D levels and risk of ovarian cancer: a Mendelian randomization study. *International Journal of Epidemiology*, **2016**, 45, 1619-1630	7.8	77
371	Genome-wide association study identifies 32 novel breast cancer susceptibility loci from overall and subtype-specific analyses. *Nature Genetics*, **2020**, 52, 572-581	36.3	76

370	The role of genetic breast cancer susceptibility variants as prognostic factors. *Human Molecular Genetics*, **2012**, 21, 3926-39	5.6	75
369	Height and Breast Cancer Risk: Evidence From Prospective Studies and Mendelian Randomization. *Journal of the National Cancer Institute*, **2015**, 107,	9.7	74
368	Assessing interactions between the associations of common genetic susceptibility variants, reproductive history and body mass index with breast cancer risk in the breast cancer association consortium: a combined case-control study. *Breast Cancer Research*, **2010**, 12, R110	8.3	74
367	Role of Gas6 in erythropoiesis and anemia in mice. *Journal of Clinical Investigation*, **2008**, 118, 583-96	15.9	74
366	Single-nucleotide polymorphisms associated with outcome in metastatic renal cell carcinoma treated with sunitinib. *British Journal of Cancer*, **2013**, 108, 887-900	8.7	73
365	Somatic profiling of the epidermal growth factor receptor pathway in tumors from patients with advanced colorectal cancer treated with chemotherapy □ cetuximab. *Clinical Cancer Research*, **2013**, 19, 4104-13	12.9	72
364	Endovascular treatment of the descending thoracic aorta. *European Journal of Vascular and Endovascular Surgery*, **2003**, 26, 437-44	2.3	71
363	Identification of nine new susceptibility loci for endometrial cancer. *Nature Communications*, **2018**, 9, 3166	17.4	70
362	Matrix-binding vascular endothelial growth factor (VEGF) isoforms guide granule cell migration in the cerebellum via VEGF receptor Flk1. *Journal of Neuroscience*, **2010**, 30, 15052-66	6.6	68
361	Associations of common variants at 1p11.2 and 14q24.1 (RAD51L1) with breast cancer risk and heterogeneity by tumor subtype: findings from the Breast Cancer Association Consortium. *Human Molecular Genetics*, **2011**, 20, 4693-706	5.6	66
360	BRCA2 Polymorphic Stop Codon K3326X and the Risk of Breast, Prostate, and Ovarian Cancers. *Journal of the National Cancer Institute*, **2016**, 108,	9.7	65
359	The association of the 4q25 susceptibility variant for atrial fibrillation with stroke is limited to stroke of cardioembolic etiology. *Stroke*, **2010**, 41, 1850-7	6.7	65
358	Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. *Nature Communications*, **2016**, 7, 11375	17.4	64
357	Lineage-specific functions of TET1 in the postimplantation mouse embryo. *Nature Genetics*, **2017**, 49, 1061-1072	36.3	63
356	Meta-analysis of vascular endothelial growth factor variations in amyotrophic lateral sclerosis: increased susceptibility in male carriers of the -2578AA genotype. *Journal of Medical Genetics*, **2009**, 46, 840-6	5.8	63
355	Genome-wide CRISPR screening identifies TMEM106B as a proviral host factor for SARS-CoV-2. *Nature Genetics*, **2021**, 53, 435-444	36.3	62
354	Uncovering the genomic heterogeneity of multifocal breast cancer. *Journal of Pathology*, **2015**, 236, 457-66	9.4	61
353	Genome-wide significant risk associations for mucinous ovarian carcinoma. *Nature Genetics*, **2015**, 47, 888-97	36.3	60

352	High-throughput interrogation of PIK3CA, PTEN, KRAS, FBXW7 and TP53 mutations in primary endometrial carcinoma. *Gynecologic Oncology*, **2013**, 128, 327-34	4.9	60
351	Fine-scale mapping of the 5q11.2 breast cancer locus reveals at least three independent risk variants regulating MAP3K1. *American Journal of Human Genetics*, **2015**, 96, 5-20	11	59
350	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. *Nature Neuroscience*, **2021**, 24, 595-610	25.5	59
349	A single-cell map of intratumoral changes during anti-PD1 treatment of patients with breast cancer. *Nature Medicine*, **2021**, 27, 820-832	50.5	57
348	Fine-mapping of 150 breast cancer risk regions identifies 191 likely target genes. *Nature Genetics*, **2020**, 52, 56-73	36.3	56
347	Five endometrial cancer risk loci identified through genome-wide association analysis. *Nature Genetics*, **2016**, 48, 667-674	36.3	56
346	Platinum sensitivity-related germline polymorphism discovered via a cell-based approach and analysis of its association with outcome in ovarian cancer patients. *Clinical Cancer Research*, **2011**, 17, 5490-500	12.9	55
345	Microglial upregulation of progranulin as a marker of motor neuron degeneration. *Journal of Neuropathology and Experimental Neurology*, **2010**, 69, 1191-200	3.1	55
344	The Cancer Cell Oxygen Sensor PHD2 Promotes Metastasis via Activation of Cancer-Associated Fibroblasts. *Cell Reports*, **2015**, 12, 992-1005	10.6	54
343	Mismatch repair deficiency endows tumors with a unique mutation signature and sensitivity to DNA double-strand breaks. *ELife*, **2014**, 3, e02725	8.9	54
342	Lipid availability determines fate of skeletal progenitor cells via SOX9. *Nature*, **2020**, 579, 111-117	50.4	53
341	Joint associations of a polygenic risk score and environmental risk factors for breast cancer in the Breast Cancer Association Consortium. *International Journal of Epidemiology*, **2018**, 47, 526-536	7.8	53
340	Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus. *Nature Communications*, **2016**, 7, 12675	17.4	53
339	Low expression VEGF haplotype increases the risk for tetralogy of Fallot: a family based association study. *Journal of Medical Genetics*, **2005**, 42, 519-22	5.8	53
338	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. *Nature Communications*, **2021**, 12, 4117	17.4	53
337	Implementing liquid biopsies into clinical decision making for cancer immunotherapy. *Oncotarget*, **2017**, 8, 48507-48520	3.3	52
336	Chromosomal Instability in Cell-Free DNA as a Highly Specific Biomarker for Detection of Ovarian Cancer in Women with Adnexal Masses. *Clinical Cancer Research*, **2017**, 23, 2223-2231	12.9	52
335	Associations of obesity and circulating insulin and glucose with breast cancer risk: a Mendelian randomization analysis. *International Journal of Epidemiology*, **2019**, 48, 795-806	7.8	52

334	Genetic modifiers of CHEK2*1100delC-associated breast cancer risk. *Genetics in Medicine*, **2017**, 19, 599-603	8.1	51
333	Hypomorphic Missense Variants Confer Moderate Risks of Breast Cancer. *Cancer Research*, **2017**, 77, 2789-2799	10.1	49
332	Vascular endothelial growth factor counteracts the loss of phospho-Akt preceding motor neurone degeneration in amyotrophic lateral sclerosis. *Neuropathology and Applied Neurobiology*, **2007**, 33, 499-509	5.2	49
331	Comparison of 6q25 breast cancer hits from Asian and European Genome Wide Association Studies in the Breast Cancer Association Consortium (BCAC). *PLoS ONE*, **2012**, 7, e42380	3.7	49
330	Shared genetics underlying epidemiological association between endometriosis and ovarian cancer. *Human Molecular Genetics*, **2015**, 24, 5955-64	5.6	48
329	Biology of breast cancer during pregnancy using genomic profiling. *Endocrine-Related Cancer*, **2014**, 21, 545-54	5.7	48
328	Common non-synonymous SNPs associated with breast cancer susceptibility: findings from the Breast Cancer Association Consortium. *Human Molecular Genetics*, **2014**, 23, 6096-111	5.6	48
327	Genome-wide association and transcriptome studies identify target genes and risk loci for breast cancer. *Nature Communications*, **2019**, 10, 1741	17.4	47
326	Genetic variability in the multidrug resistance associated protein-1 (ABCC1/MRP1) predicts hematological toxicity in breast cancer patients receiving (neo-)adjuvant chemotherapy with 5-fluorouracil, epirubicin and cyclophosphamide (FEC). *Annals of Oncology*, **2013**, 24, 1513-25	10.3	47
325	Fine-mapping of the HNF1B multicancer locus identifies candidate variants that mediate endometrial cancer risk. *Human Molecular Genetics*, **2015**, 24, 1478-92	5.6	46
324	A variant at chromosome 9p21 is associated with recurrent myocardial infarction and cardiac death after acute coronary syndrome: the GRACE Genetics Study. *European Heart Journal*, **2010**, 31, 1132-41	9.5	46
323	The molecular genetic basis of ovarian cancer and its roadmap towards a better treatment. *Gynecologic Oncology*, **2010**, 117, 358-65	4.9	46
322	Shared heritability and functional enrichment across six solid cancers. *Nature Communications*, **2019**, 10, 431	17.4	45
321	The role of KRAS rs61764370 in invasive epithelial ovarian cancer: implications for clinical testing. *Clinical Cancer Research*, **2011**, 17, 3742-50	12.9	45
320	Adult body mass index and risk of ovarian cancer by subtype: a Mendelian randomization study. *International Journal of Epidemiology*, **2016**, 45, 884-95	7.8	45
319	Developing Organoids from Ovarian Cancer as Experimental and Preclinical Models. *Stem Cell Reports*, **2020**, 14, 717-729	8	44
318	Tamoxifen Metabolism and Efficacy in Breast Cancer: A Prospective Multicenter Trial. *Clinical Cancer Research*, **2018**, 24, 2312-2318	12.9	44
317	Differences in MWCNT- and SWCNT-induced DNA methylation alterations in association with the nuclear deposition. *Particle and Fibre Toxicology*, **2018**, 15, 11	8.4	44

316	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. *Nature Genetics*, **2021**, 53, 86-99	36.3	44
315	Clinical and genetic risk factors for epirubicin-induced cardiac toxicity in early breast cancer patients. *Breast Cancer Research and Treatment*, **2015**, 152, 67-76	4.4	43
314	Somatic POLE exonuclease domain mutations are early events in sporadic endometrial and colorectal carcinogenesis, determining driver mutational landscape, clonal neoantigen burden and immune response. *Journal of Pathology*, **2018**, 245, 283-296	9.4	43
313	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. *Cell Stem Cell*, **2017**, 20, 360-373.e7	18	43
312	DNA methylation in imprinted genes IGF2 and GNASXL is associated with prenatal maternal stress. *Genes, Brain and Behavior*, **2015**, 14, 573-82	3.6	43
311	Systemic anti-vascular endothelial growth factor therapies induce a painful sensory neuropathy. *Brain*, **2012**, 135, 2629-41	11.2	43
310	Therapeutic potential of VEGF and VEGF-derived peptide in peripheral neuropathies. *Neuroscience*, **2013**, 244, 77-89	3.9	43
309	Role of VEGF-D and VEGFR-3 in developmental lymphangiogenesis, a chemicogenetic study in Xenopus tadpoles. *Blood*, **2008**, 112, 1740-9	2.2	43
308	Evidence that the 5p12 Variant rs10941679 Confers Susceptibility to Estrogen-Receptor-Positive Breast Cancer through FGF10 and MRPS30 Regulation. *American Journal of Human Genetics*, **2016**, 99, 903-911	11	43
307	Genetic Risk Score Mendelian Randomization Shows that Obesity Measured as Body Mass Index, but not Waist:Hip Ratio, Is Causal for Endometrial Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2016**, 25, 1503-1510	4	42
306	Genetic variants in CDC42 and NXPH1 as susceptibility factors for constipation and diarrhoea predominant irritable bowel syndrome. *Gut*, **2014**, 63, 1103-11	19.2	42
305	Genetic evidence for a role of IL33 in nasal polyposis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2010**, 65, 616-22	9.3	42
304	Characterization of patient-derived tumor xenograft models of endometrial cancer for preclinical evaluation of targeted therapies. *Gynecologic Oncology*, **2015**, 139, 118-26	4.9	41
303	CYP19A1 fine-mapping and Mendelian randomization: estradiol is causal for endometrial cancer. *Endocrine-Related Cancer*, **2016**, 23, 77-91	5.7	41
302	Functional polymorphisms in the TERT promoter are associated with risk of serous epithelial ovarian and breast cancers. *PLoS ONE*, **2011**, 6, e24987	3.7	41
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