

Agnes Viale

List of Publications by Citations

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104
papers

26,372
citations

67
h-index

107
g-index

107
ext. papers

31,115
ext. citations

18.5
avg, IF

6
L-index

#	Paper	IF	Citations
104	The somatic genomic landscape of glioblastoma. <i>Cell</i> , 2013 , 155, 462-77	56.2	2900
103	Genes that mediate breast cancer metastasis to lung. <i>Nature</i> , 2005 , 436, 518-24	50.4	2242
102	MET amplification occurs with or without T790M mutations in EGFR mutant lung tumors with acquired resistance to gefitinib or erlotinib. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20932-7	11.5	1395
101	Prognostic relevance of integrated genetic profiling in acute myeloid leukemia. <i>New England Journal of Medicine</i> , 2012 , 366, 1079-89	59.2	1378
100	IDH1 mutation is sufficient to establish the glioma hypermethylator phenotype. <i>Nature</i> , 2012 , 483, 479-83	50.4	1373
99	Precision microbiome reconstitution restores bile acid mediated resistance to <i>Clostridium difficile</i> . <i>Nature</i> , 2015 , 517, 205-8	50.4	1064
98	Gene expression-based survival prediction in lung adenocarcinoma: a multi-site, blinded validation study. <i>Nature Medicine</i> , 2008 , 14, 822-7	50.5	835
97	Modelling pathogenesis and treatment of familial dysautonomia using patient-specific iPSCs. <i>Nature</i> , 2009 , 461, 402-6	50.4	701
96	Vancomycin-resistant <i>Enterococcus</i> domination of intestinal microbiota is enabled by antibiotic treatment in mice and precedes bloodstream invasion in humans. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4332-41	15.9	577
95	Germline mutations in BAP1 predispose to melanocytic tumors. <i>Nature Genetics</i> , 2011 , 43, 1018-21	36.3	562
94	Intestinal domination and the risk of bacteremia in patients undergoing allogeneic hematopoietic stem cell transplantation. <i>Clinical Infectious Diseases</i> , 2012 , 55, 905-14	11.6	561
93	Recurrent somatic TET2 mutations in normal elderly individuals with clonal hematopoiesis. <i>Nature Genetics</i> , 2012 , 44, 1179-81	36.3	552
92	Genome sequencing identifies a basis for everolimus sensitivity. <i>Science</i> , 2012 , 338, 221	33.3	546
91	The effects of intestinal tract bacterial diversity on mortality following allogeneic hematopoietic stem cell transplantation. <i>Blood</i> , 2014 , 124, 1174-82	2.2	531
90	Subtype-specific genomic alterations define new targets for soft-tissue sarcoma therapy. <i>Nature Genetics</i> , 2010 , 42, 715-21	36.3	521
89	(V600E)BRAF is associated with disabled feedback inhibition of RAF-MEK signaling and elevated transcriptional output of the pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4519-24	11.5	444
88	Chromatin states define tumour-specific T cell dysfunction and reprogramming. <i>Nature</i> , 2017 , 545, 452-456	50.4	413

87	Optimization of dosing for EGFR-mutant non-small cell lung cancer with evolutionary cancer modeling. <i>Science Translational Medicine</i> , 2011 , 3, 90ra59	17.5	383
86	The RAF inhibitor PLX4032 inhibits ERK signaling and tumor cell proliferation in a V600E BRAF-selective manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14903-8	11.5	383
85	Profound alterations of intestinal microbiota following a single dose of clindamycin results in sustained susceptibility to <i>Clostridium difficile</i> -induced colitis. <i>Infection and Immunity</i> , 2012 , 80, 62-73	3.7	369
84	The Genomic Landscape of Endocrine-Resistant Advanced Breast Cancers. <i>Cancer Cell</i> , 2018 , 34, 427-438.e6	24.3	339
83	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2018 , 33, 125-136.e3	24.3	338
82	Periodontal disease and the oral microbiota in new-onset rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012 , 64, 3083-94		317
81	The mutational landscape of adenoid cystic carcinoma. <i>Nature Genetics</i> , 2013 , 45, 791-8	36.3	311
80	Relief of feedback inhibition of HER3 transcription by RAF and MEK inhibitors attenuates their antitumor effects in BRAF-mutant thyroid carcinomas. <i>Cancer Discovery</i> , 2013 , 3, 520-33	24.4	266
79	Genome-wide association study provides evidence for a breast cancer risk locus at 6q22.33. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4340-5	11.5	256
78	Genomic safe harbors permit high β globin transgene expression in thalassemia induced pluripotent stem cells. <i>Nature Biotechnology</i> , 2011 , 29, 73-8	44.5	249
77	Familial transmission rather than defective innate immunity shapes the distinct intestinal microbiota of TLR-deficient mice. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1445-56	16.6	247
76	Prevalence and co-occurrence of actionable genomic alterations in high-grade bladder cancer. <i>Journal of Clinical Oncology</i> , 2013 , 31, 3133-40	2.2	226
75	Comparative genomic analysis of primary versus metastatic colorectal carcinomas. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2956-62	2.2	225
74	Comparative sequencing analysis reveals high genomic concordance between matched primary and metastatic colorectal cancer lesions. <i>Genome Biology</i> , 2014 , 15, 454	18.3	224
73	Breast cancer methylomes establish an epigenomic foundation for metastasis. <i>Science Translational Medicine</i> , 2011 , 3, 75ra25	17.5	215
72	Tracking tumour evolution in glioma through liquid biopsies of cerebrospinal fluid. <i>Nature</i> , 2019 , 565, 654-658	50.4	214
71	Evaluating Cancer of the Central Nervous System Through Next-Generation Sequencing of Cerebrospinal Fluid. <i>Journal of Clinical Oncology</i> , 2016 , 34, 2404-15	2.2	208
70	Ibrutinib Unmasks Critical Role of Bruton Tyrosine Kinase in Primary CNS Lymphoma. <i>Cancer Discovery</i> , 2017 , 7, 1018-1029	24.4	201

69	Gene expression profiling of liposarcoma identifies distinct biological types/subtypes and potential therapeutic targets in well-differentiated and dedifferentiated liposarcoma. <i>Cancer Research</i> , 2007 , 67, 6626-36	10.1	186
68	Tumor genetic analyses of patients with metastatic renal cell carcinoma and extended benefit from mTOR inhibitor therapy. <i>Clinical Cancer Research</i> , 2014 , 20, 1955-64	12.9	173
67	Efficient induction of differentiation and growth inhibition in IDH1 mutant glioma cells by the DNMT Inhibitor Decitabine. <i>Oncotarget</i> , 2013 , 4, 1729-36	3.3	171
66	Tumour lineage shapes BRCA-mediated phenotypes. <i>Nature</i> , 2019 , 571, 576-579	50.4	170
65	Multi-platform assessment of transcriptome profiling using RNA-seq in the ABRF next-generation sequencing study. <i>Nature Biotechnology</i> , 2014 , 32, 915-925	44.5	169
64	Identification of kinase fusion oncogenes in post-Chernobyl radiation-induced thyroid cancers. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4935-44	15.9	155
63	Classification of clear-cell sarcoma as a subtype of melanoma by genomic profiling. <i>Journal of Clinical Oncology</i> , 2003 , 21, 1775-81	2.2	152
62	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. <i>Nature Genetics</i> , 2014 , 46, 1166-9	36.3	150
61	Epigenetic expansion of VHL-HIF signal output drives multiorgan metastasis in renal cancer. <i>Nature Medicine</i> , 2013 , 19, 50-6	50.5	148
60	Mutational cooperativity linked to combinatorial epigenetic gain of function in acute myeloid leukemia. <i>Cancer Cell</i> , 2015 , 27, 502-15	24.3	145
59	Genomic Biomarkers of a Randomized Trial Comparing First-line Everolimus and Sunitinib in Patients with Metastatic Renal Cell Carcinoma. <i>European Urology</i> , 2017 , 71, 405-414	10.2	132
58	Pan-cancer genetic analysis identifies PARK2 as a master regulator of G1/S cyclins. <i>Nature Genetics</i> , 2014 , 46, 588-94	36.3	124
57	Gene expression profiling allows distinction between primary and metastatic squamous cell carcinomas in the lung. <i>Cancer Research</i> , 2005 , 65, 3063-71	10.1	122
56	Implications of TP53 allelic state for genome stability, clinical presentation and outcomes in myelodysplastic syndromes. <i>Nature Medicine</i> , 2020 , 26, 1549-1556	50.5	118
55	Interlaboratory comparability study of cancer gene expression analysis using oligonucleotide microarrays. <i>Clinical Cancer Research</i> , 2005 , 11, 565-72	12.9	116
54	Frequent somatic CDH1 loss-of-function mutations in plasmacytoid variant bladder cancer. <i>Nature Genetics</i> , 2016 , 48, 356-8	36.3	111
53	Massively Parallel Sequencing-Based Clonality Analysis of Synchronous Endometrioid Endometrial and Ovarian Carcinomas. <i>Journal of the National Cancer Institute</i> , 2016 , 108, djv427	9.7	111
52	A recurrent neomorphic mutation in MYOD1 defines a clinically aggressive subset of embryonal rhabdomyosarcoma associated with PI3K-AKT pathway mutations. <i>Nature Genetics</i> , 2014 , 46, 595-600	36.3	107

51	CHZ868, a Type II JAK2 Inhibitor, Reverses Type I JAK Inhibitor Persistence and Demonstrates Efficacy in Myeloproliferative Neoplasms. <i>Cancer Cell</i> , 2015 , 28, 15-28	24.3	105
50	Synthetic lethality in ATM-deficient RAD50-mutant tumors underlies outlier response to cancer therapy. <i>Cancer Discovery</i> , 2014 , 4, 1014-21	24.4	98
49	Small RNA sequencing and functional characterization reveals MicroRNA-143 tumor suppressor activity in liposarcoma. <i>Cancer Research</i> , 2011 , 71, 5659-69	10.1	92
48	Identification of DOK genes as lung tumor suppressors. <i>Nature Genetics</i> , 2010 , 42, 216-23	36.3	91
47	Casein kinase II alpha subunit and C1-inhibitor are independent predictors of outcome in patients with squamous cell carcinoma of the lung. <i>Clinical Cancer Research</i> , 2004 , 10, 5792-803	12.9	88
46	Phase 1b trial of an ibrutinib-based combination therapy in recurrent/refractory CNS lymphoma. <i>Blood</i> , 2019 , 133, 436-445	2.2	88
45	Isoform Switching as a Mechanism of Acquired Resistance to Mutant Isocitrate Dehydrogenase Inhibition. <i>Cancer Discovery</i> , 2018 , 8, 1540-1547	24.4	86
44	The Rho GTPase Rnd1 suppresses mammary tumorigenesis and EMT by restraining Ras-MAPK signalling. <i>Nature Cell Biology</i> , 2015 , 17, 81-94	23.4	81
43	NF2 Loss Promotes Oncogenic RAS-Induced Thyroid Cancers via YAP-Dependent Transactivation of RAS Proteins and Sensitizes Them to MEK Inhibition. <i>Cancer Discovery</i> , 2015 , 5, 1178-93	24.4	78
42	Epigenomic reorganization of the clustered Hox genes in embryonic stem cells induced by retinoic acid. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3250-60	5.4	78
41	Extreme Outlier Analysis Identifies Occult Mitogen-Activated Protein Kinase Pathway Mutations in Patients With Low-Grade Serous Ovarian Cancer. <i>Journal of Clinical Oncology</i> , 2015 , 33, 4099-105	2.2	75
40	Targeted massively parallel sequencing of angiosarcomas reveals frequent activation of the mitogen activated protein kinase pathway. <i>Oncotarget</i> , 2015 , 6, 36041-52	3.3	71
39	Genetic Heterogeneity in Therapy-Naïve Synchronous Primary Breast Cancers and Their Metastases. <i>Clinical Cancer Research</i> , 2017 , 23, 4402-4415	12.9	69
38	BAC transgenesis in human embryonic stem cells as a novel tool to define the human neural lineage. <i>Stem Cells</i> , 2009 , 27, 521-32	5.8	69
37	Efficacy of intermittent combined RAF and MEK inhibition in a patient with concurrent BRAF- and NRAS-mutant malignancies. <i>Cancer Discovery</i> , 2014 , 4, 538-45	24.4	62
36	Stat3 mediates expression of autotaxin in breast cancer. <i>PLoS ONE</i> , 2011 , 6, e27851	3.7	56
35	The melanin-concentrating hormone gene in human: flanking region analysis, fine chromosome mapping, and tissue-specific expression. <i>Molecular Brain Research</i> , 1997 , 46, 243-55		55
34	Distinction of desmoplastic melanoma from non-desmoplastic melanoma by gene expression profiling. <i>Journal of Investigative Dermatology</i> , 2005 , 124, 412-8	4.3	52

33	Effects of leptin on melanin-concentrating hormone expression in the brain of lean and obese Lep(ob)/Lep(ob) mice. <i>Neuroendocrinology</i> , 1999 , 69, 145-53	5.6	52
32	The Oncogenic Action of NRF2 Depends on De-glycation by Fructosamine-3-Kinase. <i>Cell</i> , 2019 , 178, 807-812.e24	8.2	51
31	Small-Cell Carcinomas of the Bladder and Lung Are Characterized by a Convergent but Distinct Pathogenesis. <i>Clinical Cancer Research</i> , 2018 , 24, 1965-1973	12.9	51
30	Cellular localization and role of prohormone convertases in the processing of pro-melanin concentrating hormone in mammals. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6536-45	5.4	50
29	Segmental duplications in euchromatic regions of human chromosome 5: a source of evolutionary instability and transcriptional innovation. <i>Genome Research</i> , 2003 , 13, 369-81	9.7	47
28	Quantification of tumor-derived cell free DNA(cfDNA) by digital PCR (DigPCR) in cerebrospinal fluid of patients with BRAFV600 mutated malignancies. <i>Oncotarget</i> , 2016 , 7, 85430-85436	3.3	45
27	Metastatic Competence Can Emerge with Selection of Preexisting Oncogenic Alleles without a Need of New Mutations. <i>Cancer Research</i> , 2015 , 75, 3713-9	10.1	38
26	Coaltered and Is Associated with Extremes of Survivorship and Distinct Patterns of Metastasis in Patients with Metastatic Colorectal Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 1077-1085	12.9	37
25	Targeted next-generation sequencing of DNA regions proximal to a conserved GXGXXG signaling motif enables systematic discovery of tyrosine kinase fusions in cancer. <i>Nucleic Acids Research</i> , 2010 , 38, 6985-96	20.1	36
24	Antitumor activity of SNX-2112, a synthetic heat shock protein-90 inhibitor, in MET-amplified tumor cells with or without resistance to selective MET inhibition. <i>Clinical Cancer Research</i> , 2011 , 17, 122-33	12.9	33
23	Lobular Carcinomas Display Intralesion Genetic Heterogeneity and Clonal Evolution in the Progression to Invasive Lobular Carcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 674-686	12.9	31
22	Analysis of genetic variation in Ashkenazi Jews by high density SNP genotyping. <i>BMC Genetics</i> , 2008 , 9, 14	2.6	30
21	Frequent disruption of the RB pathway in indolent follicular lymphoma suggests a new combination therapy. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1379-91	16.6	26
20	Phase II Trial of Sorafenib in Patients with Chemotherapy Refractory Metastatic Esophageal and Gastroesophageal (GE) Junction Cancer. <i>PLoS ONE</i> , 2015 , 10, e0134731	3.7	26
19	Remodeling of the methylation landscape in breast cancer metastasis. <i>PLoS ONE</i> , 2014 , 9, e103896	3.7	25
18	Plasma DNA-based molecular diagnosis, prognostication, and monitoring of patients with fusion-positive sarcomas. <i>JCO Precision Oncology</i> , 2017 , 2017,	3.6	24
17	Structure and expression of the variant melanin-concentrating hormone genes: only PMCHL1 is transcribed in the developing human brain and encodes a putative protein. <i>Molecular Biology and Evolution</i> , 2000 , 17, 1626-40	8.3	24
16	17beta-estradiol regulation of melanin-concentrating hormone and neuropeptide-E-I contents in cynomolgus monkeys: a preliminary study. <i>Peptides</i> , 1999 , 20, 553-9	3.8	23

15	Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Real-Time RT-PCR Tests on Oral Rinses and Saliva Samples. <i>Journal of Molecular Diagnostics</i> , 2021 , 23, 3-9	5.1	23
14	Peripheral Circulating Tumor DNA Detection Predicts Poor Outcomes After Liver Resection for Metastatic Colorectal Cancer. <i>Annals of Surgical Oncology</i> , 2019 , 26, 1824-1832	3.1	21
13	SET: a robust 18-gene predictor for sensitivity to endocrine therapy for metastatic breast cancer. <i>Npj Breast Cancer</i> , 2019 , 5, 16	7.8	21
12	Quantitative assessment of intragenic receptor tyrosine kinase deletions in primary glioblastomas: their prevalence and molecular correlates. <i>Acta Neuropathologica</i> , 2014 , 127, 747-59	14.3	21
11	Somatic mutations in leukocytes infiltrating primary breast cancers. <i>Npj Breast Cancer</i> , 2015 , 1, 15005	7.8	18
10	c-MYC regulates mRNA translation efficiency and start-site selection in lymphoma. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1509-1524	16.6	17
9	EGFR-mutant lung adenocarcinomas treated first-line with the novel EGFR inhibitor, XL647, can subsequently retain moderate sensitivity to erlotinib. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 434-42	8.9	15
8	Genetic analysis of five children with essential thrombocytosis identified mutations in cancer-associated genes with roles in transcriptional regulation. <i>Haematologica</i> , 2016 , 101, e237-9	6.6	10
7	Leveraging Systematic Functional Analysis to Benchmark an Framework Distinguishes Driver from Passenger MEK Mutants in Cancer. <i>Cancer Research</i> , 2020 , 80, 4233-4243	10.1	9
6	Tumor fraction-guided cell-free DNA profiling in metastatic solid tumor patients. <i>Genome Medicine</i> , 2021 , 13, 96	14.4	8
5	Germ Cell Tumor Molecular Heterogeneity Revealed Through Analysis of Primary and Metastasis Pairs. <i>JCO Precision Oncology</i> , 2020 , 4,	3.6	4
4	Targeting eIF4A-Dependent Translation of KRAS Signaling Molecules. <i>Cancer Research</i> , 2021 , 81, 2002-2014	10.4	4
3	NRF2 Activation Confers Resistance to eIF4A Inhibitors in Cancer Therapy. <i>Cancers</i> , 2021 , 13,	6.6	3
2	Structure, expression, and evolution of the variant MCH gene in primates. <i>Annals of the New York Academy of Sciences</i> , 1998 , 839, 214-8	6.5	1
1	Frequent 4EBP1 Amplification Induces Synthetic Dependence on FGFR Signaling in Cancer. <i>Cancers</i> , 2022 , 14, 2397	6.6	1