

David B Solit

List of Publications by Citations

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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.

318
papers

40,612
citations

107
h-index

198
g-index

353
ext. papers

50,198
ext. citations

13.3
avg, IF

7.19
L-index

#	Paper	IF	Citations
318	mTOR inhibition induces upstream receptor tyrosine kinase signaling and activates Akt. <i>Cancer Research</i> , 2006 , 66, 1500-8	10.1	2114
317	Mutational landscape of metastatic cancer revealed from prospective clinical sequencing of 10,000 patients. <i>Nature Medicine</i> , 2017 , 23, 703-713	50.5	1638
316	Tumor mutational load predicts survival after immunotherapy across multiple cancer types. <i>Nature Genetics</i> , 2019 , 51, 202-206	36.3	1435
315	Emergence of KRAS mutations and acquired resistance to anti-EGFR therapy in colorectal cancer. <i>Nature</i> , 2012 , 486, 532-6	50.4	1327
314	Tumour micro-environment elicits innate resistance to RAF inhibitors through HGF secretion. <i>Nature</i> , 2012 , 487, 500-4	50.4	1308
313	BRAF mutation predicts sensitivity to MEK inhibition. <i>Nature</i> , 2006 , 439, 358-62	50.4	1137
312	RAF inhibitor resistance is mediated by dimerization of aberrantly spliced BRAF(V600E). <i>Nature</i> , 2011 , 480, 387-90	50.4	1107
311	Inherited DNA-Repair Gene Mutations in Men with Metastatic Prostate Cancer. <i>New England Journal of Medicine</i> , 2016 , 375, 443-53	59.2	791
310	Molecular Determinants of Response to Anti-Programmed Cell Death (PD)-1 and Anti-Programmed Death-Ligand 1 (PD-L1) Blockade in Patients With Non-Small-Cell Lung Cancer Profiled With Targeted Next-Generation Sequencing. <i>Journal of Clinical Oncology</i> , 2018 , 36, 633-641	2.2	730
309	OncoKB: A Precision Oncology Knowledge Base. <i>JCO Precision Oncology</i> , 2017 , 2017,	3.6	699
308	AACR Project GENIE: Powering Precision Medicine through an International Consortium. <i>Cancer Discovery</i> , 2017 , 7, 818-831	24.4	629
307	Genome sequencing identifies a basis for everolimus sensitivity. <i>Science</i> , 2012 , 338, 221	33.3	546
306	Patient HLA class I genotype influences cancer response to checkpoint blockade immunotherapy. <i>Science</i> , 2018 , 359, 582-587	33.3	500
305	Akt forms an intracellular complex with heat shock protein 90 (Hsp90) and Cdc37 and is destabilized by inhibitors of Hsp90 function. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39858-66	5.4	479
304	Identifying recurrent mutations in cancer reveals widespread lineage diversity and mutational specificity. <i>Nature Biotechnology</i> , 2016 , 34, 155-63	44.5	465
303	(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
302	Tumor adaptation and resistance to RAF inhibitors. <i>Nature Medicine</i> , 2013 , 19, 1401-9	50.5	419

301	Mutational profile of advanced primary and metastatic radioactive iodine-refractory thyroid cancers reveals distinct pathogenetic roles for BRAF, PIK3CA, and AKT1. <i>Cancer Research</i> , 2009 , 69, 4885-4893	10.1	403
300	HER kinase inhibition in patients with HER2- and HER3-mutant cancers. <i>Nature</i> , 2018 , 554, 189-194	50.4	388
299	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
298	Convergent loss of PTEN leads to clinical resistance to a PI(3)K inhibitor. <i>Nature</i> , 2015 , 518, 240-4	50.4	366
297	Somatic ERCC2 mutations correlate with cisplatin sensitivity in muscle-invasive urothelial carcinoma. <i>Cancer Discovery</i> , 2014 , 4, 1140-53	24.4	361
296	The BAD protein integrates survival signaling by EGFR/MAPK and PI3K/Akt kinase pathways in PTEN-deficient tumor cells. <i>Cancer Cell</i> , 2005 , 8, 287-97	24.3	348
295	Therapy-Related Clonal Hematopoiesis in Patients with Non-hematologic Cancers Is Common and Associated with Adverse Clinical Outcomes. <i>Cell Stem Cell</i> , 2017 , 21, 374-382.e4	18	339
294	The Genomic Landscape of Endocrine-Resistant Advanced Breast Cancers. <i>Cancer Cell</i> , 2018 , 34, 427-438.e6	24.3	339
293	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2018 , 33, 125-136.e3	24.3	338
292	HSP90 inhibition is effective in breast cancer: a phase II trial of tanespimycin (17-AAG) plus trastuzumab in patients with HER2-positive metastatic breast cancer progressing on trastuzumab. <i>Clinical Cancer Research</i> , 2011 , 17, 5132-9	12.9	330
291	Prospective Comprehensive Molecular Characterization of Lung Adenocarcinomas for Efficient Patient Matching to Approved and Emerging Therapies. <i>Cancer Discovery</i> , 2017 , 7, 596-609	24.4	317
290	4E-BP1 is a key effector of the oncogenic activation of the AKT and ERK signaling pathways that integrates their function in tumors. <i>Cancer Cell</i> , 2010 , 18, 39-51	24.3	314
289	Tumor Evolution and Drug Response in Patient-Derived Organoid Models of Bladder Cancer. <i>Cell</i> , 2018 , 173, 515-528.e17	56.2	310
288	17-Allylamino-17-demethoxygeldanamycin induces the degradation of androgen receptor and HER-2/neu and inhibits the growth of prostate cancer xenografts. <i>Clinical Cancer Research</i> , 2002 , 8, 986-993	13.9	304
287	PIK3CA mutation associates with improved outcome in breast cancer. <i>Clinical Cancer Research</i> , 2009 , 15, 5049-59	12.9	290
286	Combination of trastuzumab and tanespimycin (17-AAG, KOS-953) is safe and active in trastuzumab-refractory HER-2 overexpressing breast cancer: a phase I dose-escalation study. <i>Journal of Clinical Oncology</i> , 2007 , 25, 5410-7	2.2	288
285	Somatic mutations of the Parkinson disease-associated gene PARK2 in glioblastoma and other human malignancies. <i>Nature Genetics</i> , 2010 , 42, 77-82	36.3	280
284	Alterations in DNA Damage Response and Repair Genes as Potential Marker of Clinical Benefit From PD-1/PD-L1 Blockade in Advanced Urothelial Cancers. <i>Journal of Clinical Oncology</i> , 2018 , 36, 1685-1694	22.4	274

283	Diverse and Targetable Kinase Alterations Drive Histiocytic Neoplasms. <i>Cancer Discovery</i> , 2016 , 6, 154-654.4	269
282	BRAF Mutants Evade ERK-Dependent Feedback by Different Mechanisms that Determine Their Sensitivity to Pharmacologic Inhibition. <i>Cancer Cell</i> , 2015 , 28, 370-83	24.3 266
281	High-intensity sequencing reveals the sources of plasma circulating cell-free DNA variants. <i>Nature Medicine</i> , 2019 , 25, 1928-1937	50.5 263
280	Tumours with class 3 BRAF mutants are sensitive to the inhibition of activated RAS. <i>Nature</i> , 2017 , 548, 234-238	50.4 259
279	Analysis of the Prevalence of Microsatellite Instability in Prostate Cancer and Response to Immune Checkpoint Blockade. <i>JAMA Oncology</i> , 2019 , 5, 471-478	13.4 257
278	Imaging the pharmacodynamics of HER2 degradation in response to Hsp90 inhibitors. <i>Nature Biotechnology</i> , 2004 , 22, 701-6	44.5 256
277	Genomic sequencing of colorectal adenocarcinomas identifies a recurrent VTI1A-TCF7L2 fusion. <i>Nature Genetics</i> , 2011 , 43, 964-968	36.3 242
276	Mutation Detection in Patients With Advanced Cancer by Universal Sequencing of Cancer-Related Genes in Tumor and Normal DNA vs Guideline-Based Germline Testing. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 825-835	27.4 235
275	Recurrent somatic mutation of FAT1 in multiple human cancers leads to aberrant Wnt activation. <i>Nature Genetics</i> , 2013 , 45, 253-61	36.3 231
274	Development and application of Hsp90 inhibitors. <i>Drug Discovery Today</i> , 2008 , 13, 38-43	8.8 229
273	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
272	Ansamycin antibiotics inhibit Akt activation and cyclin D expression in breast cancer cells that overexpress HER2. <i>Oncogene</i> , 2002 , 21, 1159-66	9.2 226
271	Comparative genomic analysis of primary versus metastatic colorectal carcinomas. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2956-62	2.2 225
270	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
269	Prospective Genotyping of Hepatocellular Carcinoma: Clinical Implications of Next-Generation Sequencing for Matching Patients to Targeted and Immune Therapies. <i>Clinical Cancer Research</i> , 2019 , 25, 2116-2126	12.9 219
268	Genomic and biological characterization of exon 4 KRAS mutations in human cancer. <i>Cancer Research</i> , 2010 , 70, 5901-11	10.1 218
267	Ado-Trastuzumab Emtansine for Patients With HER2-Mutant Lung Cancers: Results From a Phase II Basket Trial. <i>Journal of Clinical Oncology</i> , 2018 , 36, 2532-2537	2.2 217
266	Genetic predictors of MEK dependence in non-small cell lung cancer. <i>Cancer Research</i> , 2008 , 68, 9375-8310.1	10.1 216

265	Genome doubling shapes the evolution and prognosis of advanced cancers. <i>Nature Genetics</i> , 2018 , 50, 1189-1195	36.3	208
264	A Phase Ib Study of Alpelisib (BYL719), a PI3K β -specific Inhibitor, with Letrozole in ER+/HER2-Metastatic Breast Cancer. <i>Clinical Cancer Research</i> , 2017 , 23, 26-34	12.9	204
263	Loss of NF1 in cutaneous melanoma is associated with RAS activation and MEK dependence. <i>Cancer Research</i> , 2014 , 74, 2340-50	10.1	204
262	Microsatellite Instability Is Associated With the Presence of Lynch Syndrome Pan-Cancer. <i>Journal of Clinical Oncology</i> , 2019 , 37, 286-295	2.2	203
261	Hsp90: the vulnerable chaperone. <i>Drug Discovery Today</i> , 2004 , 9, 881-8	8.8	201
260	Germline Variants in Targeted Tumor Sequencing Using Matched Normal DNA. <i>JAMA Oncology</i> , 2016 , 2, 104-11	13.4	198
259	The tyrosine phosphatase PTPRD is a tumor suppressor that is frequently inactivated and mutated in glioblastoma and other human cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9435-40	11.5	196
258	Resistance to BRAF inhibition in melanomas. <i>New England Journal of Medicine</i> , 2011 , 364, 772-4	59.2	189
257	Progression of RAS-mutant leukemia during RAF inhibitor treatment. <i>New England Journal of Medicine</i> , 2012 , 367, 2316-21	59.2	185
256	Transcriptional pathway signatures predict MEK addiction and response to selumetinib (AZD6244). <i>Cancer Research</i> , 2010 , 70, 2264-73	10.1	185
255	Novel MEK1 mutation identified by mutational analysis of epidermal growth factor receptor signaling pathway genes in lung adenocarcinoma. <i>Cancer Research</i> , 2008 , 68, 5524-8	10.1	185
254	AKT Inhibition in Solid Tumors With AKT1 Mutations. <i>Journal of Clinical Oncology</i> , 2017 , 35, 2251-2259	2.2	184
253	Phase I trial of 17-allylamino-17-demethoxygeldanamycin in patients with advanced cancer. <i>Clinical Cancer Research</i> , 2007 , 13, 1775-82	12.9	184
252	Inhibition of heat shock protein 90 function down-regulates Akt kinase and sensitizes tumors to Taxol. <i>Cancer Research</i> , 2003 , 63, 2139-44	10.1	184
251	Comprehensive Molecular Profiling of Intrahepatic and Extrahepatic Cholangiocarcinomas: Potential Targets for Intervention. <i>Clinical Cancer Research</i> , 2018 , 24, 4154-4161	12.9	182
250	Genetic Predictors of Response to Systemic Therapy in Esophagogastric Cancer. <i>Cancer Discovery</i> , 2018 , 8, 49-58	24.4	180
249	Resistance to gefitinib in PTEN-null HER-overexpressing tumor cells can be overcome through restoration of PTEN function or pharmacologic modulation of constitutive phosphatidylinositol 3Pkinase/Akt pathway signaling. <i>Clinical Cancer Research</i> , 2003 , 9, 4340-6	12.9	180
248	Phase II trial of 17-allylamino-17-demethoxygeldanamycin in patients with metastatic melanoma. <i>Clinical Cancer Research</i> , 2008 , 14, 8302-7	12.9	179

247	Effects of Co-occurring Genomic Alterations on Outcomes in Patients with -Mutant Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 334-340	12.9	173
246	Tumour lineage shapes BRCA-mediated phenotypes. <i>Nature</i> , 2019 , 571, 576-579	50.4	170
245	Reliable Detection of Mismatch Repair Deficiency in Colorectal Cancers Using Mutational Load in Next-Generation Sequencing Panels. <i>Journal of Clinical Oncology</i> , 2016 , 34, 2141-7	2.2	170
244	Next-generation Sequencing of Nonmuscle Invasive Bladder Cancer Reveals Potential Biomarkers and Rational Therapeutic Targets. <i>European Urology</i> , 2017 , 72, 952-959	10.2	168
243	Accelerating Discovery of Functional Mutant Alleles in Cancer. <i>Cancer Discovery</i> , 2018 , 8, 174-183	24.4	162
242	BRAF(L597) mutations in melanoma are associated with sensitivity to MEK inhibitors. <i>Cancer Discovery</i> , 2012 , 2, 791-7	24.4	160
241	SNX2112, a synthetic heat shock protein 90 inhibitor, has potent antitumor activity against HER kinase-dependent cancers. <i>Clinical Cancer Research</i> , 2008 , 14, 240-8	12.9	156
240	Inhibition of Hsp90 down-regulates mutant epidermal growth factor receptor (EGFR) expression and sensitizes EGFR mutant tumors to paclitaxel. <i>Cancer Research</i> , 2008 , 68, 589-96	10.1	155
239	New efficient synthesis of resorcinylic macrolides via ynolides: establishment of cycloproparadicicol as synthetically feasible preclinical anticancer agent based on Hsp90 as the target. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7881-9	16.4	152
238	Prospective Genomic Profiling of Prostate Cancer Across Disease States Reveals Germline and Somatic Alterations That May Affect Clinical Decision Making. <i>JCO Precision Oncology</i> , 2017 , 2017,	3.6	151
237	Genomic Characterization of Upper Tract Urothelial Carcinoma. <i>European Urology</i> , 2015 , 68, 970-7	10.2	147
236	Hsp90: a novel target for cancer therapy. <i>Current Topics in Medicinal Chemistry</i> , 2006 , 6, 1205-14	3	146
235	Targeting wide-range oncogenic transformation via PU24FCl, a specific inhibitor of tumor Hsp90. <i>Chemistry and Biology</i> , 2004 , 11, 787-97		144
234	DNA Damage Response and Repair Gene Alterations Are Associated with Improved Survival in Patients with Platinum-Treated Advanced Urothelial Carcinoma. <i>Clinical Cancer Research</i> , 2017 , 23, 3610-3618	12.9	143
233	The Molecular Landscape of Recurrent and Metastatic Head and Neck Cancers: Insights From a Precision Oncology Sequencing Platform. <i>JAMA Oncology</i> , 2017 , 3, 244-255	13.4	141
232	Targeting the mitogen-activated protein kinase pathway: physiological feedback and drug response. <i>Clinical Cancer Research</i> , 2010 , 16, 3329-34	12.9	138
231	BRAF mutation predicts for poor outcomes after metastasectomy in patients with metastatic colorectal cancer. <i>Cancer</i> , 2014 , 120, 2316-24	6.4	136
230	BRAF mutation is associated with early stage disease and improved outcome in patients with low-grade serous ovarian cancer. <i>Cancer</i> , 2013 , 119, 548-554	6.4	135

229	Phase II study of everolimus in metastatic urothelial cancer. <i>BJU International</i> , 2013 , 112, 462-70	5.6	133
228	PIK3CA mutation uncouples tumor growth and cyclin D1 regulation from MEK/ERK and mutant KRAS signaling. <i>Cancer Research</i> , 2010 , 70, 6804-14	10.1	128
227	Hsp90 as a therapeutic target in prostate cancer. <i>Seminars in Oncology</i> , 2003 , 30, 709-16	5.5	127
226	Phase I dose escalation study of the PI3kinase pathway inhibitor BKM120 and the oral poly (ADP ribose) polymerase (PARP) inhibitor olaparib for the treatment of high-grade serous ovarian and breast cancer. <i>Annals of Oncology</i> , 2017 , 28, 512-518	10.3	125
225	Early tumor response to Hsp90 therapy using HER2 PET: comparison with 18F-FDG PET. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 793-6	8.9	125
224	Concurrent Alterations in EGFR-Mutant Lung Cancers Associated with Resistance to EGFR Kinase Inhibitors and Characterization of MTOR as a Mediator of Resistance. <i>Clinical Cancer Research</i> , 2018 , 24, 3108-3118	12.9	123
223	RAS mutations affect pattern of metastatic spread and increase propensity for brain metastasis in colorectal cancer. <i>Cancer</i> , 2015 , 121, 1195-203	6.4	120
222	3D clusters of somatic mutations in cancer reveal numerous rare mutations as functional targets. <i>Genome Medicine</i> , 2017 , 9, 4	14.4	117
221	Precision medicine at Memorial Sloan Kettering Cancer Center: clinical next-generation sequencing enabling next-generation targeted therapy trials. <i>Drug Discovery Today</i> , 2015 , 20, 1422-8	8.8	117
220	Randomized, phase II study of the insulin-like growth factor-1 receptor inhibitor IMC-A12, with or without cetuximab, in patients with cetuximab- or panitumumab-refractory metastatic colorectal cancer. <i>Journal of Clinical Oncology</i> , 2010 , 28, 4240-6	2.2	115
219	Pulsatile administration of the epidermal growth factor receptor inhibitor gefitinib is significantly more effective than continuous dosing for sensitizing tumors to paclitaxel. <i>Clinical Cancer Research</i> , 2005 , 11, 1983-9	12.9	114
218	Comprehensive Molecular Characterization of Salivary Duct Carcinoma Reveals Actionable Targets and Similarity to Apocrine Breast Cancer. <i>Clinical Cancer Research</i> , 2016 , 22, 4623-33	12.9	114
217	Pilot trial of unlabeled and indium-111-labeled anti-prostate-specific membrane antigen antibody J591 for castrate metastatic prostate cancer. <i>Clinical Cancer Research</i> , 2005 , 11, 7454-61	12.9	112
216	Frequent somatic CDH1 loss-of-function mutations in plasmacytoid variant bladder cancer. <i>Nature Genetics</i> , 2016 , 48, 356-8	36.3	111
215	HER kinase activation confers resistance to MET tyrosine kinase inhibition in MET oncogene-addicted gastric cancer cells. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 3499-508	6.1	111
214	Genetic Determinants of Cisplatin Resistance in Patients With Advanced Germ Cell Tumors. <i>Journal of Clinical Oncology</i> , 2016 , 34, 4000-4007	2.2	110
213	Phase II trial of MEK inhibitor selumetinib (AZD6244, ARRY-142886) in patients with BRAFV600E/K-mutated melanoma. <i>Clinical Cancer Research</i> , 2013 , 19, 2257-64	12.9	108
212	Real-Time Genomic Profiling of Pancreatic Ductal Adenocarcinoma: Potential Actionability and Correlation with Clinical Phenotype. <i>Clinical Cancer Research</i> , 2017 , 23, 6094-6100	12.9	107

211	BRAFV600E mutation is associated with preferential sensitivity to mitogen-activated protein kinase kinase inhibition in thyroid cancer cell lines. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 2194-201	5.6	107
210	Genomic predictors of survival in patients with high-grade urothelial carcinoma of the bladder. <i>European Urology</i> , 2015 , 67, 198-201	10.2	105
209	First-line pembrolizumab and trastuzumab in HER2-positive oesophageal, gastric, or gastro-oesophageal junction cancer: an open-label, single-arm, phase 2 trial. <i>Lancet Oncology</i> , 2020 , 21, 821-831	21.7	104
208	The current state of preclinical prostate cancer animal models. <i>Prostate</i> , 2008 , 68, 629-39	4.2	103
207	Cancer therapy shapes the fitness landscape of clonal hematopoiesis. <i>Nature Genetics</i> , 2020 , 52, 1219-1226	3.6	103
206	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
205	Perturbation biology: inferring signaling networks in cellular systems. <i>PLoS Computational Biology</i> , 2013 , 9, e1003290	5	98
204	Resistance to MEK inhibitors: should we co-target upstream?. <i>Science Signaling</i> , 2011 , 4, pe16	8.8	98
203	Development of purine-scaffold small molecule inhibitors of Hsp90. <i>Current Cancer Drug Targets</i> , 2003 , 3, 371-6	2.8	98
202	MAP2K1 (MEK1) Mutations Define a Distinct Subset of Lung Adenocarcinoma Associated with Smoking. <i>Clinical Cancer Research</i> , 2015 , 21, 1935-43	12.9	95
201	Peptide-conjugated antisense oligonucleotides for targeted inhibition of a transcriptional regulator in vivo. <i>Nature Biotechnology</i> , 2008 , 26, 91-100	44.5	94
200	Clonal Relatedness and Mutational Differences between Upper Tract and Bladder Urothelial Carcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 967-976	12.9	94
199	Development of new mouse lung tumor models expressing EGFR T790M mutants associated with clinical resistance to kinase inhibitors. <i>PLoS ONE</i> , 2007 , 2, e810	3.7	93
198	Prevalence of Clonal Hematopoiesis Mutations in Tumor-Only Clinical Genomic Profiling of Solid Tumors. <i>JAMA Oncology</i> , 2018 , 4, 1589-1593	13.4	91
197	Genomic complexity and AKT dependence in serous ovarian cancer. <i>Cancer Discovery</i> , 2012 , 2, 56-67	24.4	89
196	Massively parallel sequencing of phyllodes tumours of the breast reveals actionable mutations, and TERT promoter hotspot mutations and TERT gene amplification as likely drivers of progression. <i>Journal of Pathology</i> , 2016 , 238, 508-18	9.4	80
195	Phase I study of samarium-153 lexidronam with docetaxel in castration-resistant metastatic prostate cancer. <i>Journal of Clinical Oncology</i> , 2009 , 27, 2436-42	2.2	79
194	and Amplifications Determine Response to HER2 Inhibition in -Amplified Esophagogastric Cancer. <i>Cancer Discovery</i> , 2019 , 9, 199-209	24.4	79

193	Angiogenesis impairment in Id-deficient mice cooperates with an Hsp90 inhibitor to completely suppress HER2/neu-dependent breast tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12337-42	11.5	78
192	Mapping the molecular determinants of BRAF oncogene dependence in human lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E748-57	11.5	76
191	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
190	Presence of somatic mutations within PIK3CA, AKT, RAS, and FGFR3 but not BRAF in cisplatin-resistant germ cell tumors. <i>Clinical Cancer Research</i> , 2014 , 20, 3712-20	12.9	75
189	Ultra-deep next-generation sequencing of plasma cell-free DNA in patients with advanced lung cancers: results from the Actionable Genome Consortium. <i>Annals of Oncology</i> , 2019 , 30, 597-603	10.3	74
188	Association with HSP90 inhibits Cbl-mediated down-regulation of mutant epidermal growth factor receptors. <i>Cancer Research</i> , 2006 , 66, 6990-7	10.1	74
187	Multicenter Prospective Phase II Trial of Neoadjuvant Dose-Dense Gemcitabine Plus Cisplatin in Patients With Muscle-Invasive Bladder Cancer. <i>Journal of Clinical Oncology</i> , 2018 , 36, 1949-1956	2.2	72
186	Oncogenic activation of Pak1-dependent pathway of macropinocytosis determines BCG entry into bladder cancer cells. <i>Cancer Research</i> , 2013 , 73, 1156-67	10.1	68
185	An Acquired Gatekeeper Mutation Induces Resistance to Neratinib in a Patient with HER2 Mutant-Driven Breast Cancer. <i>Cancer Discovery</i> , 2017 , 7, 575-585	24.4	66
184	HER2-Mediated Internalization of Cytotoxic Agents in Amplified or Mutant Lung Cancers. <i>Cancer Discovery</i> , 2020 , 10, 674-687	24.4	66
183	Perturbation biology nominates upstream-downstream drug combinations in RAF inhibitor resistant melanoma cells. <i>ELife</i> , 2015 , 4,	8.9	65
182	Genetic hallmarks of recurrent/metastatic adenoid cystic carcinoma. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4276-4289	15.9	64
181	³ Pdeoxy- ³ P[¹⁸ F]fluorothymidine positron emission tomography is a sensitive method for imaging the response of BRAF-dependent tumors to MEK inhibition. <i>Cancer Research</i> , 2007 , 67, 11463-9	10.1	63
180	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
179	Somatic mutation of fibroblast growth factor receptor-3 (FGFR3) defines a distinct morphological subtype of high-grade urothelial carcinoma. <i>Journal of Pathology</i> , 2011 , 224, 270-9	9.4	62
178	Therapeutic strategies for inhibiting oncogenic BRAF signaling. <i>Current Opinion in Pharmacology</i> , 2008 , 8, 419-26	5.1	62
177	Clinical Utility of Prospective Molecular Characterization in Advanced Endometrial Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 5939-5947	12.9	60
176	A polyvalent vaccine for high-risk prostate patients: "are more antigens better?". <i>Cancer Immunology, Immunotherapy</i> , 2007 , 56, 1921-30	7.4	60

175	Phase III trial of cetuximab, bevacizumab, and 5-fluorouracil/leucovorin vs. FOLFOX-bevacizumab in colorectal cancer. <i>Clinical Colorectal Cancer</i> , 2012 , 11, 101-11	3.8	58
174	Allele-Specific Mechanisms of Activation of MEK1 Mutants Determine Their Properties. <i>Cancer Discovery</i> , 2018 , 8, 648-661	24.4	57
173	Helicase Domain Mutations Confer Nucleotide Excision Repair Deficiency and Drive Cisplatin Sensitivity in Muscle-Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2019 , 25, 977-988	12.9	57
172	Kras mutation is a marker of worse oncologic outcomes after percutaneous radiofrequency ablation of colorectal liver metastases. <i>Oncotarget</i> , 2017 , 8, 66117-66127	3.3	55
171	Activating mutations in CSF1R and additional receptor tyrosine kinases in histiocytic neoplasms. <i>Nature Medicine</i> , 2019 , 25, 1839-1842	50.5	55
170	Genomic Differences Between "Primary" and "Secondary" Muscle-invasive Bladder Cancer as a Basis for Disparate Outcomes to Cisplatin-based Neoadjuvant Chemotherapy. <i>European Urology</i> , 2019 , 75, 231-239	10.2	53
169	Clinical and molecular characterization of patients with cancer of unknown primary in the modern era. <i>Annals of Oncology</i> , 2017 , 28, 3015-3021	10.3	52
168	Transcriptional Mechanisms of Resistance to Anti-PD-1 Therapy. <i>Clinical Cancer Research</i> , 2017 , 23, 3168-3180	13.0	51
167	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
166	Mutant N-RAS protects colorectal cancer cells from stress-induced apoptosis and contributes to cancer development and progression. <i>Cancer Discovery</i> , 2013 , 3, 294-307	24.4	50
165	A phase 2 study of the insulin-like growth factor-1 receptor inhibitor MK-0646 in patients with metastatic, well-differentiated neuroendocrine tumors. <i>Cancer</i> , 2012 , 118, 4795-800	6.4	50
164	Widespread Selection for Oncogenic Mutant Allele Imbalance in Cancer. <i>Cancer Cell</i> , 2018 , 34, 852-862.e4	4.3	50
163	Oncogenic Genomic Alterations, Clinical Phenotypes, and Outcomes in Metastatic Castration-Sensitive Prostate Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 3230-3238	12.9	49
162	Alterations in and promote clinical resistance to alpelisib plus aromatase inhibitors. <i>Nature Cancer</i> , 2020 , 1, 382-393	15.4	49
161	Randomized phase II study of pulse erlotinib before or after carboplatin and paclitaxel in current or former smokers with advanced non-small-cell lung cancer. <i>Journal of Clinical Oncology</i> , 2009 , 27, 264-70	2.2	49
160	A Retrospective Evaluation of Vemurafenib as Treatment for BRAF-Mutant Melanoma Brain Metastases. <i>Oncologist</i> , 2015 , 20, 789-97	5.7	48
159	Genomic Correlates of Disease Progression and Treatment Response in Prospectively Characterized Gliomas. <i>Clinical Cancer Research</i> , 2019 , 25, 5537-5547	12.9	48
158	Pilot study of ⁶⁸ Ga-DOTA-F(ab) ₂ -trastuzumab in patients with breast cancer. <i>Nuclear Medicine Communications</i> , 2013 , 34, 1157-65	1.6	48

157	A phase I trial of intermittent high-dose gefitinib and fixed-dose docetaxel in patients with advanced solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2007 , 59, 467-75	3.5	46
156	Clinical and Molecular Predictors of Response to Immune Checkpoint Inhibitors in Patients with Advanced Esophagogastric Cancer. <i>Clinical Cancer Research</i> , 2019 , 25, 6160-6169	12.9	45
155	Mechanisms of Acquired Resistance to BRAF V600E Inhibition in Colon Cancers Converge on RAF Dimerization and Are Sensitive to Its Inhibition. <i>Cancer Research</i> , 2017 , 77, 6513-6523	10.1	43
154	Combination of RAF and MEK inhibition for the treatment of BRAF-mutated melanoma: feedback is not encouraged. <i>Cancer Cell</i> , 2014 , 26, 603-4	24.3	42
153	Urachal Carcinoma Shares Genomic Alterations with Colorectal Carcinoma and May Respond to Epidermal Growth Factor Inhibition. <i>European Urology</i> , 2016 , 70, 771-775	10.2	42
152	Combination treatment with 17-N-allylamino-17-demethoxy geldanamycin and acute irradiation produces supra-additive growth suppression in human prostate carcinoma spheroids. <i>Cancer Research</i> , 2003 , 63, 8393-9	10.1	42
151	Efficacy and Determinants of Response to HER Kinase Inhibition in -Mutant Metastatic Breast Cancer. <i>Cancer Discovery</i> , 2020 , 10, 198-213	24.4	41
150	JAK2 inhibition sensitizes resistant EGFR-mutant lung adenocarcinoma to tyrosine kinase inhibitors. <i>Science Signaling</i> , 2016 , 9, ra33	8.8	41
149	ERK pathway inhibitors: how low should we go?. <i>Cancer Discovery</i> , 2013 , 3, 719-21	24.4	39
148	Realizing the potential of plasma genotyping in an age of genotype-directed therapies. <i>Journal of the National Cancer Institute</i> , 2014 , 106,	9.7	38
147	The association between tumor mutational burden and prognosis is dependent on treatment context. <i>Nature Genetics</i> , 2021 , 53, 11-15	36.3	38
146	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
145	Pan-cancer Analysis of CDK12 Alterations Identifies a Subset of Prostate Cancers with Distinct Genomic and Clinical Characteristics. <i>European Urology</i> , 2020 , 78, 671-679	10.2	37
144	Genomic characterization of response to chemoradiation in urothelial bladder cancer. <i>Cancer</i> , 2016 , 122, 3715-3723	6.4	37
143	Platinum-Based Chemotherapy in Metastatic Prostate Cancer With DNA Repair Gene Alterations. <i>JCO Precision Oncology</i> , 2020 , 4, 355-366	3.6	35
142	Trametinib in Histiocytic Sarcoma with an Activating MAP2K1 (MEK1) Mutation. <i>New England Journal of Medicine</i> , 2018 , 378, 1945-1947	59.2	35
141	Identification of Targetable Kinase Alterations in Patients with Colorectal Carcinoma That are Preferentially Associated with Wild-Type RAS/RAF. <i>Molecular Cancer Research</i> , 2016 , 14, 296-301	6.6	34
140	Therapeutic strategies for targeting BRAF in human cancer. <i>Reviews on Recent Clinical Trials</i> , 2007 , 2, 121-34	1.2	34

139	Towards a unified model of RAF inhibitor resistance. <i>Cancer Discovery</i> , 2014 , 4, 27-30	24.4	33
138	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
137	Development of Genome-Derived Tumor Type Prediction to Inform Clinical Cancer Care. <i>JAMA Oncology</i> , 2020 , 6, 84-91	13.4	33
136	A phase I trial of ganetespib in combination with paclitaxel and trastuzumab in patients with human epidermal growth factor receptor-2 (HER2)-positive metastatic breast cancer. <i>Breast Cancer Research</i> , 2017 , 19, 89	8.3	32
135	Clinical experience with intravenous estramustine phosphate, paclitaxel, and carboplatin in patients with castrate, metastatic prostate adenocarcinoma. <i>Cancer</i> , 2003 , 98, 1842-8	6.4	32
134	Neratinib is effective in breast tumors bearing both amplification and mutation of ERBB2 (HER2). <i>Science Signaling</i> , 2018 , 11,	8.8	32
133	Cancer Susceptibility Mutations in Patients With Urothelial Malignancies. <i>Journal of Clinical Oncology</i> , 2020 , 38, 406-414	2.2	31
132	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
131	PD-L1 Expression in Urothelial Carcinoma With Predominant or Pure Variant Histology: Concordance Among 3 Commonly Used and Commercially Available Antibodies. <i>American Journal of Surgical Pathology</i> , 2019 , 43, 920-927	6.7	30
130	Ganetespib, a novel Hsp90 inhibitor in patients with KRAS mutated and wild type, refractory metastatic colorectal cancer. <i>Clinical Colorectal Cancer</i> , 2014 , 13, 207-12	3.8	29
129	The "SWOT" of BRAF inhibition in melanoma: RAF inhibitors, MEK inhibitors or both?. <i>Current Oncology Reports</i> , 2011 , 13, 479-87	6.3	29
128	Integrating Genomics Into Clinical Pediatric Oncology Using the Molecular Tumor Board at the Memorial Sloan Kettering Cancer Center. <i>Pediatric Blood and Cancer</i> , 2016 , 63, 1368-74	3	28
127	Mutation location on the RAS oncogene affects pathologic features and survival after resection of colorectal liver metastases. <i>Cancer</i> , 2017 , 123, 568-575	6.4	28
126	Genomic Biomarkers for the Prediction of Stage and Prognosis of Upper Tract Urothelial Carcinoma. <i>Journal of Urology</i> , 2016 , 195, 1684-1689	2.5	27
125	A phase I trial of docetaxel and pulse-dose 17-allylamino-17-demethoxygeldanamycin in adult patients with solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2012 , 69, 1089-97	3.5	27
124	Expression of the Carboxy-Terminal Portion of MUC16/CA125 Induces Transformation and Tumor Invasion. <i>PLoS ONE</i> , 2015 , 10, e0126633	3.7	27
123	Frequency and outcomes of brain metastases in patients with HER2-mutant lung cancers. <i>Cancer</i> , 2019 , 125, 4380-4387	6.4	26
122	Oncologist use and perception of large panel next-generation tumor sequencing. <i>Annals of Oncology</i> , 2017 , 28, 2298-2304	10.3	24

121	A multi-histology basket trial of ado-trastuzumab emtansine in patients with HER2 amplified cancers.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 2502-2502	2.2	23
120	PI3K pathway mutations are associated with longer time to local progression after radioembolization of colorectal liver metastases. <i>Oncotarget</i> , 2017 , 8, 23529-23538	3.3	23
119	Regional differences in gallbladder cancer pathogenesis: Insights from a multi-institutional comparison of tumor mutations. <i>Cancer</i> , 2019 , 125, 575-585	6.4	23
118	Summary and Recommendations from the National Cancer Institute's Clinical Trials Planning Meeting on Novel Therapeutics for Non-Muscle Invasive Bladder Cancer. <i>Bladder Cancer</i> , 2016 , 2, 165-202 ¹		22
117	Phase 2 study of buparlisib (BKM120), a pan-class I PI3K inhibitor, in patients with metastatic triple-negative breast cancer. <i>Breast Cancer Research</i> , 2020 , 22, 120	8.3	22
116	Interplay between chromosomal alterations and gene mutations shapes the evolutionary trajectory of clonal hematopoiesis. <i>Nature Communications</i> , 2021 , 12, 338	17.4	21
115	Next-generation sequencing of urine specimens: A novel platform for genomic analysis in patients with non-muscle-invasive urothelial carcinoma treated with bacille Calmette-Guérin. <i>Cancer Cytopathology</i> , 2017 , 125, 416-426	3.9	20
114	Genomic landscape of inverted urothelial papilloma and urothelial papilloma of the bladder. <i>Journal of Pathology</i> , 2019 , 248, 260-265	9.4	20
113	Clinical tumour sequencing for precision oncology: time for a universal strategy. <i>Nature Reviews Cancer</i> , 2018 , 18, 527-528	31.3	20
112	Mismatch repair (MMR) detection in urothelial carcinoma (UC) and correlation with immune checkpoint blockade (ICB) response.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 4511-4511	2.2	19
111	Intratumoral heterogeneity of ERBB2 amplification and HER2 expression in micropapillary urothelial carcinoma. <i>Human Pathology</i> , 2018 , 77, 63-69	3.7	18
110	Accelerating precision medicine in metastatic prostate cancer. <i>Nature Cancer</i> , 2020 , 1, 1041-1053	15.4	18
109	Prognostic Value of TERT Alterations, Mutational and Copy Number Alterations Burden in Urothelial Carcinoma. <i>European Urology Focus</i> , 2019 , 5, 201-204	5.1	18
108	Modeling biological and genetic diversity in upper tract urothelial carcinoma with patient derived xenografts. <i>Nature Communications</i> , 2020 , 11, 1975	17.4	17
107	Tracing cancer networks with phosphoproteomics. <i>Nature Biotechnology</i> , 2010 , 28, 1028-9	44.5	16
106	Genomic Landscape of Uterine Sarcomas Defined Through Prospective Clinical Sequencing. <i>Clinical Cancer Research</i> , 2020 , 26, 3881-3888	12.9	16
105	A Genomic-Pathologic Annotated Risk Model to Predict Recurrence in Early-Stage Lung Adenocarcinoma. <i>JAMA Surgery</i> , 2021 , 156, e205601	5.4	16
104	Anti-PD-1/L1 lead-in before MAPK inhibitor combination maximizes antitumor immunity and efficacy. <i>Cancer Cell</i> , 2021 , 39, 1375-1387.e6	24.3	16

103	Therapeutic Implications of Germline Testing in Patients With Advanced Cancers. <i>Journal of Clinical Oncology</i> , 2021 , 39, 2698-2709	2.2	16
102	Germ cell tumors and associated hematologic malignancies evolve from a common shared precursor. <i>Journal of Clinical Investigation</i> , 2020 , 130, 6668-6676	15.9	15
101	Clinical cancer genomic profiling. <i>Nature Reviews Genetics</i> , 2021 , 22, 483-501	30.1	15
100	Genomic Characterization of Upper-Tract Urothelial Carcinoma in Patients With Lynch Syndrome. <i>JCO Precision Oncology</i> , 2018 , 2018,	3.6	15
99	Analysis of Tumor Genomic Pathway Alterations Using Broad-Panel Next-Generation Sequencing in Surgically Resected Lung Adenocarcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 7475-7484	12.9	14
98	MAPK Pathway Alterations Correlate with Poor Survival and Drive Resistance to Therapy in Patients with Lung Cancers Driven by Fusions. <i>Clinical Cancer Research</i> , 2020 , 26, 2932-2945	12.9	14
97	Fragment Size Analysis May Distinguish Clonal Hematopoiesis from Tumor-Derived Mutations in Cell-Free DNA. <i>Clinical Chemistry</i> , 2020 , 66, 616-618	5.5	14
96	Will Hsp90 inhibitors prove effective in BRAF-mutant melanomas?. <i>Clinical Cancer Research</i> , 2012 , 18, 2420-2	12.9	14
95	Microsatellite instability in prostate cancer and response to immune checkpoint blockade.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 5020-5020	2.2	14
94	Genetic Determinants of Outcome in Intrahepatic Cholangiocarcinoma. <i>Hepatology</i> , 2021 , 74, 1429-1444	11.2	14
93	Rates of Alterations across Melanoma Subtypes and a Complete Response to Trastuzumab Emtansine in an -Amplified Acral Melanoma. <i>Clinical Cancer Research</i> , 2018 , 24, 5815-5819	12.9	13
92	Evaluation of plasma insulin-like growth factor binding protein 2 and Her-2 extracellular domain as biomarkers for 17-allylamino-17-demethoxygeldanamycin treatment of adult patients with advanced solid tumors. <i>Clinical Cancer Research</i> , 2007 , 13, 2121-7	12.9	13
91	Overcoming Adaptive Resistance to KRAS Inhibitors Through Vertical Pathway Targeting. <i>Clinical Cancer Research</i> , 2020 , 26, 1538-1540	12.9	13
90	Molecular classification and diagnostics of upper urinary tract urothelial carcinoma. <i>Cancer Cell</i> , 2021 , 39, 793-809.e8	24.3	13
89	Harnessing Clinical Sequencing Data for Survival Stratification of Patients with Metastatic Lung Adenocarcinomas. <i>JCO Precision Oncology</i> , 2019 , 3,	3.6	13
88	ARF Confers a Context-Dependent Response to Chemotherapy in Muscle-Invasive Bladder Cancer. <i>Cancer Research</i> , 2017 , 77, 1035-1046	10.1	12
87	Rates of TP53 Mutation are Significantly Elevated in African American Patients with Gastric Cancer. <i>Annals of Surgical Oncology</i> , 2018 , 25, 2027-2033	3.1	12
86	A Comprehensive Comparison of Early-Onset and Average-Onset Colorectal Cancers. <i>Journal of the National Cancer Institute</i> , 2021 ,	9.7	12

85	Gene Signature Associated with Upregulation of the Wnt/ β Catenin Signaling Pathway Predicts Tumor Response to Transarterial Embolization. <i>Journal of Vascular and Interventional Radiology</i> , 2017 , 28, 349-355.e1	2.4	11
84	Loss-of-Function Alterations Are Associated With Intrinsic Resistance to BRAF Inhibitors in Metastatic Melanoma. <i>JCO Precision Oncology</i> , 2017 , 1,	3.6	11
83	Total Synthesis as a Resource in the Discovery of Potentially Valuable Antitumor Agents: Cycloproparadicicol. <i>Angewandte Chemie</i> , 2003 , 115, 1318-1322	3.6	11
82	Genomic characterization of metastatic patterns from prospective clinical sequencing of 25,000 patients.. <i>Cell</i> , 2022 , 185, 563-575.e11	56.2	11
81	OncoTree: A Cancer Classification System for Precision Oncology. <i>JCO Clinical Cancer Informatics</i> , 2021 , 5, 221-230	5.2	11
80	RAF/MEK dependence of KRAS-mutant pancreatic ductal adenocarcinomas. <i>Cancer Discovery</i> , 2012 , 2, 666-9	24.4	10
79	Enhanced specificity of clinical high-sensitivity tumor mutation profiling in cell-free DNA via paired normal sequencing using MSK-ACCESS. <i>Nature Communications</i> , 2021 , 12, 3770	17.4	10
78	Genomic Characterization of -Driven Biliary Cancer and a Case of Response to Ado-Trastuzumab Emtansine. <i>JCO Precision Oncology</i> , 2019 , 3,	3.6	10
77	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
76	Germline alterations in patients with biliary tract cancers: A spectrum of significant and previously underappreciated findings. <i>Cancer</i> , 2020 , 126, 1995-2002	6.4	9
75	Phase II study of trastuzumab with modified docetaxel, cisplatin, and 5 fluorouracil in metastatic HER2-positive gastric cancer. <i>Gastric Cancer</i> , 2019 , 22, 355-362	7.6	9
74	Genomic Profiling Aids Classification of Diagnostically Challenging Uterine Mesenchymal Tumors With Myomelanocytic Differentiation. <i>American Journal of Surgical Pathology</i> , 2021 , 45, 77-92	6.7	9
73	Fibroblast Growth Factor Receptor 3 Alteration Status is Associated with Differential Sensitivity to Platinum-based Chemotherapy in Locally Advanced and Metastatic Urothelial Carcinoma. <i>European Urology</i> , 2020 , 78, 907-915	10.2	9
72	Impact of FDG PET Imaging for Expanding Patient Eligibility and Measuring Treatment Response in a Genome-Driven Basket Trial of the Pan-HER Kinase Inhibitor, Neratinib. <i>Clinical Cancer Research</i> , 2019 , 25, 7381-7387	12.9	9
71	Genomic Profile of Urothelial Carcinoma of the Upper Tract from Ureteroscopic Biopsy: Feasibility and Validation Using Matched Radical Nephroureterectomy Specimens. <i>European Urology Focus</i> , 2019 , 5, 365-368	5.1	9
70	PIK3CA and MAP3K1 alterations imply luminal A status and are associated with clinical benefit from pan-PI3K inhibitor buparlisib and letrozole in ER+ metastatic breast cancer. <i>Npj Breast Cancer</i> , 2019 , 5, 31	7.8	8
69	Monitoring the Induction of Heat Shock Factor 1/Heat Shock Protein 70 Expression following 17-Allylamino-Demethoxygeldanamycin Treatment by Positron Emission Tomography and Optical Reporter Gene Imaging. <i>Molecular Imaging</i> , 2012 , 11, 7290.2011.00028	3.7	8
68	Neratinib in patients with HER2-mutant, metastatic cervical cancer: Findings from the phase 2 SUMMIT basket trial. <i>Gynecologic Oncology</i> , 2020 , 159, 150-156	4.9	8

67	Tumor fraction-guided cell-free DNA profiling in metastatic solid tumor patients. <i>Genome Medicine</i> , 2021 , 13, 96	14.4	8
66	Addressing the dichotomy between individual and societal approaches to personalised medicine in oncology. <i>European Journal of Cancer</i> , 2019 , 114, 128-136	7.5	7
65	Oncogenic RAF: a brief history of time. <i>Pigment Cell and Melanoma Research</i> , 2010 , 23, 760-2	4.5	7
64	Generation of DOTA-conjugated antibody fragments for radioimmunoimaging. <i>Methods in Enzymology</i> , 2004 , 386, 262-75	1.7	7
63	Monitoring the induction of heat shock factor 1/heat shock protein 70 expression following 17-allylamino-demethoxygeldanamycin treatment by positron emission tomography and optical reporter gene imaging. <i>Molecular Imaging</i> , 2012 , 11, 67-76	3.7	7
62	Oncologic therapy shapes the fitness landscape of clonal hematopoiesis		7
61	Precision Oncology: Three Small Steps Forward. <i>Cancer Cell</i> , 2019 , 35, 825-826	24.3	6
60	Protein-altering germline mutations implicate novel genes related to lung cancer development. <i>Nature Communications</i> , 2020 , 11, 2220	17.4	6
59	AKT1 E17K Inhibits Cancer Cell Migration by Abrogating β Catenin Signaling. <i>Molecular Cancer Research</i> , 2021 , 19, 573-584	6.6	6
58	Local recurrences at the anastomotic area are clonally related to the primary tumor in sporadic colorectal carcinoma. <i>Oncotarget</i> , 2017 , 8, 42487-42494	3.3	6
57	The context-specific role of germline pathogenicity in tumorigenesis. <i>Nature Genetics</i> , 2021 , 53, 1577-1585	9.3	6
56	Differences in Prostate Cancer Genomes by Self-reported Race: Contributions of Genetic Ancestry, Modifiable Cancer Risk Factors, and Clinical Factors. <i>Clinical Cancer Research</i> , 2021 ,	12.9	6
55	Identification of a Synthetic Lethal Relationship between Nucleotide Excision Repair Deficiency and Irofulven Sensitivity in Urothelial Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 2011-2022	12.9	6
54	TNFR2/14-3-3 signaling complex instructs macrophage plasticity in inflammation and autoimmunity. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
53	Therapeutic Implications of Detecting MAPK-Activating Alterations in Cutaneous and Unknown Primary Melanomas. <i>Clinical Cancer Research</i> , 2021 , 27, 2226-2235	12.9	6
52	Efficacy of Combined VEGFR1-3, PDGFR α and FGFR1-3 Blockade Using Nintedanib for Esophagogastric Cancer. <i>Clinical Cancer Research</i> , 2019 , 25, 3811-3817	12.9	5
51	Regorafenib in Combination with First-Line Chemotherapy for Metastatic Esophagogastric Cancer. <i>Oncologist</i> , 2020 , 25, e68-e74	5.7	5
50	Activating Mutations in CSF1R and Additional Receptor Tyrosine Kinases in Sporadic and Familial Histiocytic Neoplasms. <i>Blood</i> , 2018 , 132, 49-49	2.2	5

49	DNA damage response (DDR) gene mutations (mut), mut load, and sensitivity to chemotherapy plus immune checkpoint blockade in urothelial cancer (UC).. <i>Journal of Clinical Oncology</i> , 2017 , 35, 300-300	2.2	5
48	Association of RAS Mutation Location and Oncologic Outcomes After Resection of Colorectal Liver Metastases. <i>Annals of Surgical Oncology</i> , 2021 , 28, 817-825	3.1	5
47	Germ Cell Tumor Molecular Heterogeneity Revealed Through Analysis of Primary and Metastasis Pairs. <i>JCO Precision Oncology</i> , 2020 , 4,	3.6	4
46	Molecular Signature of Response to Pazopanib Salvage Therapy for Urothelial Carcinoma. <i>Clinical Genitourinary Cancer</i> , 2016 , 14, e81-90	3.3	4
45	Opportunities and Challenges in Genomic Sequencing for Precision Cancer Care. <i>Annals of Internal Medicine</i> , 2018 , 168, 221-222	8	4
44	Population pharmacokinetic analysis of 17-dimethylaminoethylamino-17-demethoxygeldanamycin (17-DMAG) in adult patients with solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2012 , 70, 201-5	3.5	4
43	Prognostic significance of DNA damage repair (DDR) mutations in patients with urothelial carcinoma (UC) and associations with tumor infiltrating lymphocytes (TILs).. <i>Journal of Clinical Oncology</i> , 2016 , 34, 4538-4538	2.2	4
42	HER2 + breast cancers evade anti-HER2 therapy via a switch in driver pathway. <i>Nature Communications</i> , 2021 , 12, 6667	17.4	4
41	Inverted urothelial papilloma and urothelial carcinoma with inverted growth are histologically and molecularly distinct entities. <i>Journal of Pathology</i> , 2020 , 250, 464-465	9.4	4
40	Identification of a Novel Inflamed Tumor Microenvironment Signature as a Predictive Biomarker of Bacillus Calmette-Guérin Immunotherapy in Non-Muscle-Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 4599-4609	12.9	4
39	Prevalence of Germline Alterations on Targeted Tumor-Normal Sequencing of Esophagogastric Cancer. <i>JAMA Network Open</i> , 2021 , 4, e2114753	10.4	4
38	Natural history, response to systemic therapy, and genomic landscape of plasmacytoid urothelial carcinoma. <i>British Journal of Cancer</i> , 2021 , 124, 1214-1221	8.7	4
37	Identifying treatment options for BRAFV600 wild-type metastatic melanoma: A SU2C/MRA genomics-enabled clinical trial. <i>PLoS ONE</i> , 2021 , 16, e0248097	3.7	3
36	Real-World Outcomes of an Automated Physician Support System for Genome-Driven Oncology. <i>JCO Precision Oncology</i> , 2019 , 3,	3.6	3
35	Prevalence and Characterization of Biallelic and Monoallelic and Variant Carriers From a Pan-Cancer Patient Population. <i>JCO Precision Oncology</i> , 2021 , 5,	3.6	3
34	Anatomic position determines oncogenic specificity in melanoma.. <i>Nature</i> , 2022 ,	50.4	3
33	HER-Kinase-Directed Therapy of Prostate Cancer. <i>Prostate Journal</i> , 2001 , 3, 53-58		2
32	The Genetic Evolution of Treatment-Resistant Cutaneous, Acral, and Uveal Melanomas. <i>Clinical Cancer Research</i> , 2021 , 27, 1516-1525	12.9	2

31	Mutational Analysis of Clonal Hematopoiesis in Solid Tumor Patients Illustrates the Critical Role of Systemic Anti-Cancer Therapies in the Evolution of Somatic Leukemia Disease Alleles. <i>Blood</i> , 2016 , 128, 37-37	2.2	2
30	Frequency of actionable cancer predisposing germline mutations in patients with lung cancers.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 1504-1504	2.2	2
29	Molecular and phenotypic profiling of colorectal cancer patients in West Africa reveals biological insights. <i>Nature Communications</i> , 2021 , 12, 6821	17.4	2
28	Enhanced specificity of high sensitivity somatic variant profiling in cell-free DNA via paired normal sequencing: design, validation, and clinical experience of the MSK-ACCESS liquid biopsy assay		2
27	Ansamycin antibiotics inhibit Akt activation and cyclin D expression in breast cancer cells that overexpress HER2		2
26	Enhanced specificity of high sensitivity somatic variant profiling in cell-free DNA via paired normal sequencing: design, validation, and clinical experience of the MSK-ACCESS liquid biopsy assay		2
25	Anatomic position determines oncogenic specificity in melanoma		2
24	A phase 2 trial of buparlisib in patients with platinum-resistant metastatic urothelial carcinoma. <i>Cancer</i> , 2020 , 126, 4532-4544	6.4	2
23	RAS/MAPK Pathway Driver Alterations Are Significantly Associated With Oncogenic KIT Mutations in Germ-cell Tumors. <i>Urology</i> , 2020 , 144, 111-116	1.6	2
22	Targeting Germline- and Tumor-Associated Nucleotide Excision Repair Defects in Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 1997-2010	12.9	2
21	Correlation Between Surrogate End Points and Overall Survival in a Multi-institutional Clinicogenomic Cohort of Patients With Non-Small Cell Lung or Colorectal Cancer. <i>JAMA Network Open</i> , 2021 , 4, e2117547	10.4	2
20	Utility of Serial cfDNA NGS for Prospective Genomic Analysis of Patients on a Phase I Basket Study. <i>JCO Precision Oncology</i> , 2021 , 5,	3.6	2
19	AKT mutant allele-specific activation dictates pharmacologic sensitivities.. <i>Nature Communications</i> , 2022 , 13, 2111	17.4	2
18	Next-Generation Sequencing of 487 Esophageal Adenocarcinomas Reveals Independently Prognostic Genomic Driver Alterations and Pathways. <i>Clinical Cancer Research</i> , 2021 , 27, 3491-3498	12.9	1
17	"Primary" and "secondary" muscle-invasive bladder cancer is more than just a surrogate for molecular subtypes.. <i>Translational Cancer Research</i> , 2019 , 8, S642-S644	0.3	1
16	() Copy Number Changes (Gain) & Response to Immune Checkpoint Blockade Therapy in Carcinomas of the Urinary Tract.. <i>Bladder Cancer</i> , 2021 , 7, 395-400	1	1
15	Novel Mouse Models of Bladder Cancer Identify a Prognostic Signature Associated with Risk of Disease Progression. <i>Cancer Research</i> , 2021 , 81, 5161-5175	10.1	1
14	Aggressive Hematopoietic Malignancy Characterized by Biallelic Loss of. <i>JCO Precision Oncology</i> , 2020 , 4,	3.6	0

13	Defining and Targeting Esophagogastric Cancer Genomic Subsets With Patient-Derived Xenografts.. <i>JCO Precision Oncology</i> , 2022 , 6, e2100242	3.6	o
12	Annotation of Somatic Genomic Variants in Hematologic Diseases Using OncoKB, a Precision Oncology Knowledgebase. <i>Blood</i> , 2019 , 134, 2148-2148	2.2	o
11	Molecular profiling and analysis of genetic aberrations aimed at identifying potential therapeutic targets in fibrolamellar carcinoma of the liver. <i>Cancer</i> , 2020 , 126, 4126-4135	6.4	o
10	Lessons from the Study of Exceptional Responders. <i>Cancer Cell</i> , 2021 , 39, 11-13	24.3	o
9	BRAF mutations in human cancer: biologic and therapeutic implications 272-277		
8	Interplay between Chromosomal Alterations and Gene Mutations Shapes the Evolutionary Trajectory of Clonal Hematopoiesis. <i>Blood</i> , 2020 , 136, 29-30	2.2	
7	BRAF Mutations: The Discovery of Allele- and Lineage-Specific Differences.. <i>Cancer Research</i> , 2022 , 82, 12-14	10.1	
6	Diverse and Targetable Kinase Alterations Drive Histiocytic Neoplasms. <i>Blood</i> , 2015 , 126, 481-481	2.2	
5	Next-Generation Sequencing of Matched Normal Blood Identifies Clonal Hematopoiesis in a Significant Subset of Solid Tumor Patients without Hematologic Malignancies. <i>Blood</i> , 2015 , 126, 2447-2447	2.2	
4	CHEMOTHERAPY FOR CASTRATION-RESISTANT PROSTATE CANCER 2011 , 559-615		
3	Reply to M.P. Decatris et al. <i>Journal of Clinical Oncology</i> , 2016 , 34, 887	2.2	
2	Intracellular Signaling 2020 , 24-46.e12		
1	Re: Russell E.N. Becker, Alexa R. Meyer, Aaron Brant, et al. Clinical Restaging and Tumor Sequencing are Inaccurate Indicators of Response to Neoadjuvant Chemotherapy for Muscle-invasive Bladder Cancer. <i>Eur Urol</i> . In press. https://doi.org/10.1016/j.eururo.2020.07.016 . <i>European Urology</i> , 2021 , 79, e56-e57	10.2	