Wayne A Phillips

List of Publications by Year
in descending order

131 papers	7,115 citations	61945 43 h-index	62565 80 g-index
139 all docs	139 docs citations	139 times ranked	12308 citing authors

#	Article	IF	Citations
1	Mutation of the PIK3CA Gene in Ovarian and Breast Cancer. Cancer Research, 2004, 64, 7678-7681.	0.4	864
2	PIK3CAmutations associated with gene signature of low mTORC1 signaling and better outcomes in estrogen receptorâ€“positive breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10208-10213.	3.3	324
3	Reactivation of multipotency by oncogenic PIK3CA induces breast tumour heterogeneity. Nature, 2015, 525, 119-123.	13.7	284
4	A Central Role for RAFâ†'MEKâ†'ERK Signaling in the Genesis of Pancreatic Ductal Adenocarcinoma. Cancer Discovery, 2012, 2, 685-693.	7.7	264
5	Genomic catastrophes frequently arise in esophageal adenocarcinoma and drive tumorigenesis. Nature Communications, 2014, 5, 5224.	5.8	236
6	Inhibiting the system xCâ^'/glutathione axis selectively targets cancers with mutant-p53 accumulation. Nature Communications, 2017, 8, 14844.	5.8	229
7	Targeting PI3 Kinase/AKT/mTOR Signaling in Cancer. Critical Reviews in Oncogenesis, 2012, 17, 69-95.	0.2	204
8	Differential hypermethylation of SOCS genes in ovarian and breast carcinomas. Oncogene, 2004, 23, 7726-7733.	2.6	200
9	An activating Pik3ca mutation coupled with Pten loss is sufficient to initiate ovarian tumorigenesis in mice. Journal of Clinical Investigation, 2012, 122, 553-557.	3.9	174
10	Deregulation of MYCN, LIN28B and LET7 in a Molecular Subtype of Aggressive High-Grade Serous Ovarian Cancers. PLoS ONE, 2011, 6, e18064.	1.1	172
11	Combined CDK4/6 and PI3KÎ± Inhibition Is Synergistic and Immunogenic in Triple-Negative Breast Cancer. Cancer Research, 2017, 77, 6340-6352.	0.4	163
12	The Ras/Mitogen-Activated Protein Kinase Pathway Inhibitor and Likely Tumor Suppressor Proteins, Sprouty 1 and Sprouty 2 Are Deregulated in Breast Cancer. Cancer Research, 2004, 64, 6127-6136.	0.4	159
13	Aberrant Epithelialâ€“Mesenchymal Hedgehog Signaling Characterizes Barrett's Metaplasia. Gastroenterology, 2010, 138, 1810-1822.e2.	0.6	156
14	Somatic activating mutations in Pik3ca cause sporadic venous malformations in mice and humans. Science Translational Medicine, 2016, 8, 332ra43.	5.8	138
15	Id2 Is a Target of the Î²-Catenin/T Cell Factor Pathway in Colon Carcinoma. Journal of Biological Chemistry, 2001, 276, 45113-45119.	1.6	123
16	Predicting pathological complete response to neoadjuvant chemoradiotherapy in locally advanced rectal cancer: a systematic review. Colorectal Disease, 2016, 18, 234-246.	0.7	122
17	PIK3CA mutations in breast cancer: reconciling findings from preclinical and clinical data. Breast Cancer Research, 2014, 16, 201.	2.2	94
18	Activating BRAF and PIK3CA Mutations Cooperate to Promote Anaplastic Thyroid Carcinogenesis. Molecular Cancer Research, 2014, 12, 979-986.	1.5	92

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19	Identification of Candidate Murine Esophageal Stem Cells Using a Combination of Cell Kinetic Studies and Cell Surface Markers. Stem Cells, 2007, 25, 313-318.	1.4	86
20	Gene expression profiling of esophageal cancer: Comparative analysis of Barrett's esophagus, adenocarcinoma, and squamous cell carcinoma. International Journal of Cancer, 2007, 120, 1914-1921.	2.3	86
21	A Specific Role for AKT3 in the Genesis of Ovarian Cancer through Modulation of G2-M Phase Transition. Cancer Research, 2006, 66, 11718-11725.	0.4	85
22	APR-246 potently inhibits tumour growth and overcomes chemoresistance in preclinical models of oesophageal adenocarcinoma. Gut, 2015, 64, 1506-1516.	6.1	84
23	Systematic review of the influence of chemotherapy-associated liver injury on outcome after partial hepatectomy for colorectal liver metastases. British Journal of Surgery, 2017, 104, 990-1002.	0.1	84
24	Mutation analysis ofPIK3CA andPIK3CB in esophageal cancer and Barrett's esophagus. International Journal of Cancer, 2006, 118, 2644-2646.	2.3	83
25	Selective CREB-dependent cyclin expression mediated by the PI3K and MAPK pathways supports glioma cell proliferation. Oncogenesis, 2014, 3, e108-e108.	2.1	82
26	Increased levels of phosphatidylinositol 3-kinase activity in colorectal tumors. , 1998, 83, 41-47.		81
27	Mutations in theMYB intron I regulatory sequence increase transcription in colon cancers. Genes Chromosomes and Cancer, 2006, 45, 1143-1154.	1.5	73
28	Synergistic inhibition of ovarian cancer cell growth by combining selective PI3K/mTOR and RAS/ERK pathway inhibitors. European Journal of Cancer, 2013, 49, 3936-3944.	1.3	72
29	Identification of Pik3ca Mutation as a Genetic Driver of Prostate Cancer That Cooperates with Pten Loss to Accelerate Progression and Castration-Resistant Growth. Cancer Discovery, 2018, 8, 764-779.	7.7	72
30	Differential AKT dependency displayed by mouse models of BRAFV600E-initiated melanoma. Journal of Clinical Investigation, 2013, 123, 5104-5118.	3.9	72
31	Copper as a target for prostate cancer therapeutics: copper-ionophore pharmacology and altering systemic copper distribution. Oncotarget, 2016, 7, 37064-37080.	0.8	69
32	Molecular biology of anal squamous cell carcinoma: implications for future research and clinical intervention. Lancet Oncology, The, 2015, 16, e611-e621.	5.1	63
33	Regulation of Phosphoinositide 3-Kinase by Its Intrinsic Serine Kinase Activity In Vivo. Molecular and Cellular Biology, 2004, 24, 966-975.	1.1	60
34	Pretreatment Gene Expression Profiles Can Be Used to Predict Response to Neoadjuvant Chemoradiotherapy in Esophageal Cancer. Annals of Surgical Oncology, 2007, 14, 3602-3609.	0.7	58
35	Human perforin mutations and susceptibility to multiple primary cancers. OncoImmunology, 2013, 2, e24185.	2.1	57
36	Physiological Levels of Pik3caH1047R Mutation in the Mouse Mammary Gland Results in Ductal Hyperplasia and Formation of ERÎ±-Positive Tumors. PLoS ONE, 2012, 7, e36924.	1.1	57

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37	Oncogenic PIK3CA induces centrosome amplification and tolerance to genome doubling. Nature Communications, 2017, 8, 1773.	5.8	54
38	Frizzled-7 receptor ectodomain expression in a colon cancer cell line induces morphological change and attenuates tumor growth. Differentiation, 2005, 73, 142-153.	1.0	52
39	Barrett's esophagus. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 639-648.	1.4	51
40	PI3â€²-Kinase Inhibition Forestalls the Onset of MEK1/2 Inhibitor Resistance in BRAF-Mutated Melanoma. Cancer Discovery, 2015, 5, 143-153.	7.7	51
41	Pretreatment Transcriptional Profiling for Predicting Response to Neoadjuvant Chemoradiotherapy in Rectal Adenocarcinoma. Clinical Cancer Research, 2011, 17, 3039-3047.	3.2	50
42	Sox9 drives columnar differentiation of esophageal squamous epithelium: a possible role in the pathogenesis of Barrett's esophagus. American Journal of Physiology - Renal Physiology, 2012, 303, G1335-G1346.	1.6	50
43	Intracellular plateletâ€activating factor regulates eicosanoid generation in guineaâ€pig resident peritoneal macrophages. British Journal of Pharmacology, 1989, 98, 141-148.	2.7	48
44	Prognostic value of tumour regression grade in locally advanced rectal cancer: a systematic review and metaâ€analysis. Colorectal Disease, 2018, 20, 574-585.	0.7	47
45	Identification of the CIMP-like subtype and aberrant methylation of members of the chromosomal segregation and spindle assembly pathways in esophageal adenocarcinoma. Carcinogenesis, 2016, 37, 356-365.	1.3	46
46	Tumor-Infiltrating Lymphocyte Function Predicts Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer. JCO Precision Oncology, 2018, 2, 1-15.	1.5	46
47	Role of YopH in the suppression of tyrosine phosphorylation and respiratory burst activity in murine macrophages infected with Yersinia enterocolitica. Journal of Leukocyte Biology, 1995, 57, 972-977.	1.5	45
48	Functional Abnormalities in Protein Tyrosine Phosphatase Îµ-Deficient Macrophages. Biochemical and Biophysical Research Communications, 2001, 286, 184-188.	1.0	44
49	Mutationally Activated PIK3CAH1047R Cooperates with BRAFV600E to Promote Lung Cancer Progression. Cancer Research, 2013, 73, 6448-6461.	0.4	40
50	Signaling pathways in the molecular pathogenesis of adenocarcinomas of the esophagus and gastroesophageal junction. Cancer Biology and Therapy, 2013, 14, 782-795.	1.5	40
51	Expression of Wnt genes in human colon cancers. Cancer Letters, 2001, 166, 185-191.	3.2	39
52	Esophageal Stem Cellsâ€”A Review of Their Identification and Characterization. Stem Cell Reviews and Reports, 2008, 4, 261-268.	5.6	37
53	Activation and proliferation signals in murine macrophages: Relationships among c-fos and c-myc expression, phosphoinositide hydrolysis, superoxide formation, and DNA synthesis. Journal of Cellular Physiology, 1989, 141, 618-626.	2.0	36
54	Selective inhibition of proliferation in colorectal carcinoma cell lines expressing mutant APC or activated Bâ€Raf. International Journal of Cancer, 2009, 125, 297-307.	2.3	36

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55	Analysis of the candidate 8p21 tumour suppressor, BNIP3L, in breast and ovarian cancer. British Journal of Cancer, 2003, 88, 270-276.	2.9	34
56	Heterozygous expression of the oncogenic Pik3caH1047R mutation during murine development results in fatal embryonic and extraembryonic defects. Developmental Biology, 2015, 404, 14-26.	0.9	32
57	The polarity protein Scrib mediates epidermal development and exerts a tumor suppressive function during skin carcinogenesis. Molecular Cancer, 2015, 14, 169.	7.9	31
58	Activation of the macrophage respiratory burst by phorbol myristate acetate: Evidence for both tyrosine-kinase-dependent and -independent pathways. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1222, 241-248.	1.9	28
59	Using Gene Expression Profiling to Predict Response and Prognosis in Gastrointestinal Cancersâ€"The Promise and the Perils. Annals of Surgical Oncology, 2011, 18, 1484-1491.	0.7	28
60	Expression of p47-phox and p67-phox proteins in murine bone marrowâ€"derived macrophages: Enhancement by lipopolysaccharide and tumor necrosis factor Î± but not colony stimulating factor 1. Journal of Leukocyte Biology, 1994, 55, 530-535.	1.5	27
61	Activation of protein kinase C augments butyrate-induced differentiation and turnover in human colonic epithelial cells in vitro. Carcinogenesis, 1999, 20, 977-984.	1.3	26
62	PIK3CA Mutations in Ovarian Cancer. Clinical Cancer Research, 2005, 11, 7042-7043.	3.2	25
63	Evaluation of Serum Glycoprotein Biomarker Candidates for Detection of Esophageal Adenocarcinoma and Surveillance of Barrett's Esophagus. Molecular and Cellular Proteomics, 2018, 17, 2324-2334.	2.5	25
64	Barrett's esophagus: cancer and molecular biology. Annals of the New York Academy of Sciences, 2013, 1300, 296-314.	1.8	24
65	Ubiquitous expression of the Pik3ca ^{H1047R} mutation promotes hypoglycemia, hypoinsulinemia, and organomegaly. FASEB Journal, 2015, 29, 1426-1434.	0.2	24
66	SLC7A11 Is a Superior Determinant of APR-246 (Eprenetapopt) Response thanTP53Mutation Status. Molecular Cancer Therapeutics, 2021, 20, 1858-1867.	1.9	24
67	Combined MEK and Pi3â€²-kinase inhibition reveals synergy in targeting thyroid cancer in vitro and in vivo. Oncotarget, 2017, 8, 24604-24620.	0.8	24
68	Changes in the Incorporation of Free Fatty Acids Upon the Stimulation of Human Polymorphonuclear Leukocytes. Journal of Leukocyte Biology, 1986, 39, 267-284.	1.5	23
69	Intramuscular Transplantation Improves Engraftment Rates for Esophageal Patient-Derived Tumor Xenografts. Annals of Surgical Oncology, 2016, 23, 305-311.	0.7	23
70	PI3K activation in neural stem cells drives tumorigenesis which can be ameliorated by targeting the cAMP response element binding protein. Neuro-Oncology, 2018, 20, 1344-1355.	0.6	23
71	ST7-mediated suppression of tumorigenicity of prostate cancer cells is characterized by remodeling of the extracellular matrix. Oncogene, 2006, 25, 3924-3933.	2.6	22
72	Recurrent and persistent infections in related Weimaraner dogs. Australian Veterinary Journal, 1984, 61, 261-263.	0.5	21

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73	Direct PCR from Paraffin-Embedded Tissue. BioTechniques, 1997, 22, 638-640.	0.8	20
74	Comparison of growth factor signalling pathway utilisation in cultured normal melanocytes and melanoma cell lines. BMC Cancer, 2012, 12, 141.	1.1	20
75	Physiological expression of the PI3K-activating mutation Pik3caH1047R combines with Apc loss to promote development of invasive intestinal adenocarcinomas in mice. Biochemical Journal, 2014, 458, 251-258.	1.7	20
76	Colony stimulating factor-1 Is a negative regulator of the macrophage respiratory burst. Journal of Cellular Physiology, 1990, 144, 190-196.	2.0	18
77	Haematopoietic Colony Stimulating Factors CSF-1 and GM-CSF Increase Phosphatidylinositol 3-Kinase Activity in Murine Bone Marrow-Derived Macrophages. Growth Factors, 1994, 10, 181-192.	0.5	18
78	Expression of interleukin-6, leukemia inhibitory factor and their receptors by colonic epithelium and pericryptal fibroblasts. Journal of Gastroenterology and Hepatology (Australia), 2001, 16, 991-1000.	1.4	18
79	Salvage Surgery for Locoregional Failure in Anal Squamous Cell Carcinoma. Diseases of the Colon and Rectum, 2018, 61, 179-186.	0.7	18
80	Identification of microRNA Biomarkers of Response to Neoadjuvant Chemoradiotherapy in Esophageal Adenocarcinoma Using Next Generation Sequencing. Annals of Surgical Oncology, 2018, 25, 2731-2738.	0.7	18
81	PIK3CAH1047R-induced paradoxical ERK activation results in resistance to BRAFV600E specific inhibitors in BRAFV600E PIK3CAH1047R double mutant thyroid tumors. Oncotarget, 2017, 8, 103207-103222.	0.8	18
82	Short-chain fatty acids reduce expression of specific protein kinase C isoforms in human colonic epithelial cells. , 2000, 182, 222-231.		17
83	Methylation of exon 2 of p16 is associated with late stage oesophageal cancer. Cancer Letters, 2000, 150, 57-62.	3.2	17
84	The developing clinical problem of chemotherapyâ€induced hepatic injury. ANZ Journal of Surgery, 2012, 82, 23-29.	0.3	15
85	Correlations between histopathological diagnosis of chemotherapy-induced hepatic injury, clinical features, and perioperative morbidity. Hpb, 2012, 14, 333-340.	0.1	14
86	Control of Glucocorticoid Receptor Levels by PTEN Establishes a Failsafe Mechanism for Tumor Suppression. Molecular Cell, 2020, 80, 279-295.e8.	4.5	14
87	Novel metastatic models of esophageal adenocarcinoma derived from FLO-1 cells highlight the importance of E-cadherin in cancer metastasis. Oncotarget, 2016, 7, 83342-83358.	0.8	14
88	Single-step direct PCR amplification from solid tissues. Nucleic Acids Research, 1995, 23, 1640-1640.	6.5	13
89	Mouse Models for Exploring the Biological Consequences and Clinical Significance of PIK3CA Mutations. Biomolecules, 2019, 9, 158.	1.8	13
90	The effect of interleukin-4 on the macrophage respiratory burst is species dependent. Biochemical and Biophysical Research Communications, 1992, 182, 727-732.	1.0	12

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91	Genetic and Epigenetic Analysis of the Putative Tumor Suppressor km23 in Primary Ovarian, Breast, and Colorectal Cancers. Clinical Cancer Research, 2006, 12, 3713-3715.	3.2	12
92	Reconstitution of stratified murine and human oesophageal epithelia in anin vivotransplant culture system. Scandinavian Journal of Gastroenterology, 2008, 43, 1158-1168.	0.6	12
93	Inhibiting system x_C^{â^'} and glutathione biosynthesis â€“ a potential Achilles' heel in mutant-p53 cancers. Molecular and Cellular Oncology, 2017, 4, e1344757.	0.3	12
94	Advances in understanding the pathogenesis of Barrett's esophagus. Discovery Medicine, 2014, 17, 7-14.	0.5	12
95	Molecular changes in the phosphatidylinositide 3â€kinase (PI3K) pathway are common in gastric cancer. Journal of Surgical Oncology, 2013, 108, 113-120.	0.8	11
96	Loss of SMAD4 Is Sufficient to Promote Tumorigenesis in a Model of Dysplastic Barrettâ€™s Esophagus. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 689-713.	2.3	11
97	Protein kinase C has both stimulatory and suppressive effects on macrophage superoxide production. Journal of Cellular Physiology, 1992, 152, 64-70.	2.0	10
98	mRNA gene expression correlates with histologically diagnosed chemotherapy-induced hepatic injury. Hpb, 2011, 13, 811-816.	0.1	10
99	Characterization of a Novel Tumorigenic Esophageal Adenocarcinoma Cell Line: OANC1. Digestive Diseases and Sciences, 2014, 59, 78-88.	1.1	10
100	Autophosphorylation of serine 608 in the p85 regulatory subunit of wild type or cancer-associated mutants of phosphoinositide 3-kinase does not affect its lipid kinase activity. BMC Biochemistry, 2012, 13, 30.	4.4	9
101	Lipopolysaccharide-induced priming of the human neutrophil is not associated with a change in phosphotyrosine phosphatase activity. International Journal of Biochemistry and Cell Biology, 1999, 31, 585-593.	1.2	8
102	<scp>GRB7</scp> is an oncogenic driver and potential therapeutic target in oesophageal adenocarcinoma. Journal of Pathology, 2020, 252, 317-329.	2.1	8
103	Phosphotyrosine phosphatase activity in the macrophage is enhanced by lipopolysaccharide, tumor necrosis factor Î±, and granulocyte/macrophage-colony stimulating factor: correlation with priming of the respiratory burst. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1355, 343-352.	1.9	7
104	The Genetics of Barrettâ€™s Esophagus: A Familial and Population-Based Perspective. Digestive Diseases and Sciences, 2016, 61, 1826-1834.	1.1	7
105	MEK Inhibition Induces Therapeutic Iodine Uptake in a Murine Model of Anaplastic Thyroid Cancer. Journal of Nuclear Medicine, 2019, 60, 917-923.	2.8	7
106	FREQUENCY AND CLINICO-PATHOLOGICAL ASSOCIATIONS OF RAS MUTATIONS IN COLORECTAL CANCER IN THE VICTORIAN POPULATION. ANZ Journal of Surgery, 1997, 67, 233-238.	0.3	6
107	Microsatellite instability in gastrointestinal tract tumours. International Journal of Surgical Investigation, 2000, 2, 267-74.	0.0	6
108	Elevation of fatty acid desaturaseÂ2 in esophageal adenocarcinoma increases polyunsaturated lipids and may exacerbate bile acidâ€induced DNA damage. Clinical and Translational Medicine, 2022, 12, e810.	1.7	6

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109	Epithelial de-differentiation triggered by co-ordinate epigenetic inactivation of the EHF and CDX1 transcription factors drives colorectal cancer progression. Cell Death and Differentiation, 2022, 29, 2288-2302.	5.0	6
110	Transketolase regulates sensitivity to APR-246 in p53-null cells independently of oxidative stress modulation. Scientific Reports, 2021, 11, 4480.	1.6	5
111	HOXA13 in etiology and oncogenic potential of Barrettâ€™s esophagus. Nature Communications, 2021, 12, 3354.	5.8	5
112	Preclinical models for the study of Barrett's carcinogenesis. Annals of the New York Academy of Sciences, 2018, 1434, 139-148.	1.8	3
113	Molecular and genomic characterisation of a panel of human anal cancer cell lines. Cell Death and Disease, 2021, 12, 959.	2.7	3
114	TP53 is not a prognostic markerâ€”clinical consequences of a generally disregarded fact. Annals of the New York Academy of Sciences, 2018, 1434, 46-53.	1.8	2
115	Physiological expression of PI3K H1047R mutation reveals its anti-metastatic potential in ErbB2-driven breast cancer. Oncogene, 2022, 41, 3445-3451.	2.6	2
116	Separation and detection of nitroblue tetrazolium-reducing enzymes from human polymorphonuclear leukocytes. Journal of Immunological Methods, 1982, 54, 175-181.	0.6	1
117	Assessing the subcellular distribution of oncogenic phosphoinositide 3-kinase using microinjection into live cells. Bioscience Reports, 2014, 34, .	1.1	1
118	Sa1798 Expression of Bone Morphogenic Protein 4 (BMP4) in Esophageal Cancer is Regulated by Stroma-Dependent Sonic Hedgehog Signals. Gastroenterology, 2016, 150, S369.	0.6	0
119	136 A Novel Xenograft Model of Human Barrett's Esophagus. Gastroenterology, 2016, 150, S33.	0.6	0
120	Remodeling Barrett's Metaplasia in a Novel in vivo Organoid Model. Gastroenterology, 2017, 152, S125.	0.6	0
121	Clinical pathways and outcomes of patients with Barrettâ€™s esophagus in tertiary care settings: a prospective longitudinal cohort study in Australia, 2008â€“2016. Ecological Management and Restoration, 2020, 34, .	0.2	0
122	Trapping Colorectal Cancer Into a Dead-end. Gastroenterology, 2021, 161, 33-35.	0.6	0
123	732 TUMOR INFILTRATING NEUTROPHILS ARE A POOR PROGNOSTIC MARKER FOR ESOPHAGEAL CANCER PATIENTS RECEIVING NEOADJUVANT CHEMORADIOTHERAPY. Ecological Management and Restoration, 2021, 34, .	0.2	0
124	Developing a Quantitative In Vivo Tissue Reconstitution Assay to Assess the Relative Potency of Candidate Populations of Mouse Oesophageal Epithelial Cells. Methods in Molecular Biology, 2012, 879, 73-88.	0.4	0
125	Abstract 3289: Tissue specific expression of the PI 3-kinase mutation Pik3caH1047R induces hyperplasia and tumorigenesis in a mouse model. , 2012, , .		0
126	Abstract 86: Heterozygous expression of an oncogenic Pik3ca mutation during murine development results in fatal embryonic and extra-embryonic defects. , 2014, , .		0

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127	Abstract B31: Targeting PI3K and RAS pathways in a novel preclinical model of prostate cancer. , 2015, , .		0
128	Abstract IA29: PI3â€² -kinase inhibition forestalls the onset of MEK1/2 inhibitor resistance in BRAFV600E/PTENNull melanoma. , 2015, , .		0
129	Abstract 4357: Harnessing system xCT- to target mutant p53 cancer cells. , 2016, , .		0
130	Evaluating and manipulating the immune landscape in hepatic verses peritoneal metastases arising from colorectal primary tumors.. Journal of Clinical Oncology, 2019, 37, 568-568.	0.8	0
131	Abstract 4618: A novelPik3ca-driven mouse model and syngeneic cancer cell line for the preclinical testing of targeted and immune therapies for anal squamous cell carcinoma (ASCC). , 2019, , .		0