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KRAS mutation status is predictive of response to cetuximab therapy in colorectal cancer

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2020	International Interlaboratory Digital PCR Study Demonstrating High Reproducibility for the Measurement of a Rare Sequence Variant.		
2019	Novel approaches to treatment of advanced colorectal cancer with anti-EGFR monoclonal antibodies. 2006 , 38, 545-51		47
2018	Panitumumab in colon cancer: a review and summary of ongoing trials. 2006 , 6, 1229-35		25
2017	The role of companion diagnostics in the development and use of mutation-targeted cancer therapies. 2006 , 24, 985-95		108
2016	Drug resistance, predictive markers and pharmacogenomics in colorectal cancer. 2006 , 1766, 184-96		80
2015	Pharmacogenomics of epidermal growth factor receptor (EGFR) tyrosine kinase inhibitors. 2006 , 1766, 217-29		27
2014	High resolution melting analysis for the rapid and sensitive detection of mutations in clinical samples: KRAS codon 12 and 13 mutations in non-small cell lung cancer. 2006 , 6, 295		223
2013	Point mutations of protein kinases and individualised cancer therapy. 2006 , 7, 2243-61		23
2012	Recurrent KRAS codon 146 mutations in human colorectal cancer. 2006 , 5, 928-32		171
2011	Epidermal growth factor receptor activation: how exon 19 and 21 mutations changed our understanding of the pathway. 2006 , 12, 7222-31		75
2 010	Multicenter phase II and translational study of cetuximab in metastatic colorectal carcinoma refractory to irinotecan, oxaliplatin, and fluoropyrimidines. 2006 , 24, 4914-21		450
2009	Epidermal growth factor receptor-targeted molecular therapeutics for head and neck squamous cell carcinoma. 2006 , 10, 639-47		16
2008	Chasing targets for EGFR tyrosine kinase inhibitors in non-small-cell lung cancer: Asian perspectives. 2007 , 7, 821-36		9
2007	Emerging drugs for the treatment of pancreatic cancer. 2007 , 12, 301-11		2
2006	Association of progression-free survival with patient-reported outcomes and survival: results from a randomised phase 3 trial of panitumumab. 2007 , 97, 1469-74		64
2005	Predicting response to epidermal growth factor receptor-targeted therapy in colorectal cancer. 2007 , 7, 503-18		27
2004	New approaches in systemic treatment of advanced colorectal cancer: the molecular targets era. 2007 , 7, 1027-41		2

2003 Optimizing Anti-EGFR Strategies in Cancer Treatment. **2007**, 3, 267-275

2002	Epidermal Growth Factor Receptor-Targeted Therapy of Colorectal Cancer with Panitumumab. 2007 , 3, 249-254	
2001	Assessment of baseline clinical predictive factors of response to cetuximab-irinotecan in patients with irinotecan-refractory metastatic colorectal cancer. 2007 , 73, 185-91	6
2000	Cetuximab plus gemcitabine-oxaliplatin (GEMOX) in patients with refractory advanced intrahepatic cholangiocarcinomas. 2007 , 72, 105-10	87
1999	Genomic landscapes of cancers: prospects for targeted therapies. 2007 , 8, 1629-33	10
1998	Drug resistance in cancer - searching for mechanisms, markers and therapeutic agents. 2007 , 3, 805-17	42
1997	The activation of natural killer cell effector functions by cetuximab-coated, epidermal growth factor receptor positive tumor cells is enhanced by cytokines. 2007 , 13, 6419-28	118
1996	Biological therapy and other novel therapies in early-stage disease: are they appropriate?. 2007 , 13, 6909s-12s	6
1995	FCGR2A and FCGR3A polymorphisms associated with clinical outcome of epidermal growth factor receptor expressing metastatic colorectal cancer patients treated with single-agent cetuximab. 2007 , 25, 3712-8	407
1994	Stimulated PI3K-AKT signaling mediated through ligand or radiation-induced EGFR depends indirectly, but not directly, on constitutive K-Ras activity. 2007 , 5, 863-72	82
1993	ESMO Handbook on Principles of Translational Research. 2007,	
1992	Correlations between cyclooxygenase-2 expression and angiogenic factors in primary tumors and liver metastases in colorectal cancer. 2007 , 37, 679-85	27
1991	Erlotinib in pancreatic cancer: are tumor cells the (only) target?. 2007 , 25, 5836-7	4
1990	Cetuximab, A Chimeric Anti-Epidermal Growth Factor Receptor Monoclonal Antibody, in Colorectal Cancer Treatment. 2007 , 3, 242-248	
1989	Mechanisms of Intrinsic and Acquired Resistance to EGFR Inhibitors. 2007 , 3, 276-283	
1988	Methodological Issues of Clinical Research with EGFR Inhibitors. 2007 , 3, 292-302	3
1987	Lessons learned in the management of advanced pancreatic cancer. 2007 , 25, 1949-52	29
1986	Epidermal growth factor receptor gene copy number and clinical outcome of metastatic colorectal cancer treated with panitumumab. 2007 , 25, 3238-45	293

1985	Panitumumab, a monoclonal anti epidermal growth factor receptor antibody in colorectal cancer: another one or the one?. 2007 , 13, 4664-6	40
1984	[Predictive factors in the response of antiplatelet anti EFGR in gastro-intestinal tumor]. 2007, 62, 95-8	
1983	Predictive and prognostic markers in colorectal cancer. 2007 , 4, 295-306	1
1982	Multiple paths to a drug resistance phenotype: mutations, translocations, deletions and amplification of coding genes or promoter regions, epigenetic changes and microRNAs. 2007 , 10, 59-67	147
1981	Molecular-based choice of cancer therapy: realities and expectations. 2007 , 379, 1-13	15
1980	EGFR-targeted anti-cancer drugs in radiotherapy: preclinical evaluation of mechanisms. 2007 , 83, 238-48	157
1979	Selective Raf inhibition in cancer therapy. 2007 , 11, 1587-609	50
1978	[Pharmacogenetics: from basic research to clinical applications]. 2007, 65, 365-70	3
1977	Oncogenic activation of the RAS/RAF signaling pathway impairs the response of metastatic colorectal cancers to anti-epidermal growth factor receptor antibody therapies. <i>Cancer Research</i> , 2007, 67, 2643-8	708
1976	Expression of epiregulin and amphiregulin and K-ras mutation status predict disease control in metastatic colorectal cancer patients treated with cetuximab. 2007 , 25, 3230-7	988
1975	Cetuximab in the treatment of metastatic colorectal cancer. 2007 , 7, 243-56	16
1974	Open-label phase III trial of panitumumab plus best supportive care compared with best supportive care alone in patients with chemotherapy-refractory metastatic colorectal cancer. 2007 , 25, 1658-64	1611
1973	[EGFR and colorectal cancer: what's new?]. 2007, 27, 341-3	0
1972	Les techniques FISH/CISH: applications en histopathologie. 2007 , 27, 85-87	
1971	Le laboratoire de GBEique Somatique des Tumeurs du CHU de Rouen. 2007 , 27, 122-125	
1970	The role of epidermal growth factor receptor-targeted antibody therapy in previously treated colorectal cancer. 2007 , 6 Suppl 2, S47-52	1
1969	Combining targeted therapies to enhance the effectiveness of chemotherapy in patients with treatment-refractory colorectal cancer. 2007 , 6 Suppl 2, S53-9	1
1968	A retrospective on the inhibition of epidermal growth factor receptor as a therapeutic strategy for patients with relapsed metastatic colorectal cancer: impact on treatment of today's patients. 2007 , 7 Suppl 1, S8-15	2

1967 Exploring alternative individualized treatment strategies in colorectal cancer. 2007 , 7 Suppl 1, S28-36	5
A simple method for the routine detection of somatic quantitative genetic alterations in colorectal cancer. 2007 , 132, 645-53	18
Highlights from: The 43rd Annual Meeting of the American Society of Clinical Oncology; Chicago, IL; June 18, 2007. 2007 , 6, 614-620	
1964 Development and Clinical Indications of Cetuximab. 2007 , 22, 40-46	10
1963 Cetuximab in Colon Cancer. 2007 , 22, 62-70	5
Panitumumab monotherapy in patients with previously treated metastatic colorectal cancer. 2007 , 110, 980-8	178
The multidisciplinary management of gastrointestinal cancer. The use of molecular markers in the diagnosis and treatment of colorectal cancer. 2007 , 21, 1071-87	15
The multidisciplinary management of gastrointestinal cancer. The integration of cytotoxics and biologicals in the treatment of metastatic colorectal cancer. 2007 , 21, 1089-108	31
EGFR targeting therapies: monoclonal antibodies versus tyrosine kinase inhibitors. Similarities and differences. 2007 , 62, 53-61	101
Epidermal growth factor receptor and rectal cancer: in regard to Kim et al. (Int J Radiat Oncol Biol Phys 2006;66:195-200). 2007 , 67, 318	
Cyclin D1 gene G870A polymorphism predicts response to neoadjuvant radiotherapy and prognosis in rectal cancer. 2007 , 68, 1094-101	20
From XenoMouse technology to panitumumab, the first fully human antibody product from transgenic mice. 2007 , 25, 1134-43	165
Clinical relevance of KRAS mutation detection in metastatic colorectal cancer treated by Cetuximab plus chemotherapy. 2007 , 96, 1166-9	643
PTEN loss of expression predicts cetuximab efficacy in metastatic colorectal cancer patients. 2007 , 97, 1139-45	459
1953 Primary and acquired resistance to anti-EGFR targeted drugs in cancer therapy. 2007 , 75, 788-99	65
1952 Pharmacogenetics of EGFR and VEGF inhibition. 2007 , 12, 1054-60	40
1951 Cetuximab efficacy in patients treated routinely in university hospitals. 2007 , 31, 941-9	3
1950 Cancer systems biology: exploring cancer-associated genes on cellular networks. 2007 , 64, 1752-62	94

1949	Progress in the development of prognostic and predictive markers for gastrointestinal malignancies. 2007 , 8, 339-51	15
1948	Predicting benefit from adjuvant therapy in colon cancer. 2007 , 3, 150-157	
1947	Molecular markers in colorectal cancer: genetic bases for a customised treatment. 2007, 9, 549-54	9
1946	Have we made progress with biological agents in metastatic colorectal cancer?. 2007 , 2, 59-62	1
1945	Targeted therapy in advanced colorectal cancer, an update. 2007 , 2, 165-172	2
1944	Clinical biomarkers of kinase activity: examples from EGFR inhibition trials. 2008, 27, 387-402	26
1943	[Molecular targets for colon cancer. VEGF, EGFR - and what else?]. 2008, 29 Suppl 2, 200-3	2
1942	Controversial evaluation of EGFR protein and gene status in predicting response to anti-EGFR monoclonal antibodies in metastatic colorectal cancer: a case report and review of the literature. 2008 , 3, 127-130	4
1941	What is the impact of biologicals in colorectal cancer?. 2008 , 3, 59-69	
1940	Can we predict the response to epidermal growth factor receptor targeted therapy?. 2008, 3, 87-99	1
1939	Predictive markers for anti-EGFR antibodies in colorectal cancer: the beginning of a new era. 2008 , 3, 223-225	
1938	Molekulardiagnostik von Mutationen des epidermalen Wachstumsfaktor-Rezeptors und Aktivierung nachgeschalteter Signalwege in nichtkleinzelligen Lungenkarzinomen. 2008 , 1, 101-108	
1937	The role of targeted therapy in the treatment of advanced colorectal cancer. 2008, 9, 357-74	5
1936	Molecular predictors of response to EGFR antibodies in colorectal cancer. 2008 , 4, 119-125	
1935	Predictive markers of cetuximab efficacy in metastatic colorectal cancer. 2008, 4, 184-192	
1934	EGFR and colon cancer: a clinical view. 2008 , 10, 6-13	47
1933	Retrospective study of cetuximab in combination with chemotherapy for patients with colorectal cancer. 2008 , 7, 400-403	1
1932	KRAS mutation testing for predicting response to anti-EGFR therapy for colorectal carcinoma: proposal for an European quality assurance program. 2008 , 453, 417-31	241

(2008-2008)

1931 Targeting the epidermal growth factor receptor in metastatic colorectal cancer. 2008 , 65, 8-20	33
1930 Potential predictive markers of response to EGFR-targeted therapies in colorectal cancer. 2008 , 66, 21-30	35
1929 The biological properties of cetuximab. 2008 , 68, 93-106	96
EGFR FISH assay predicts for response to cetuximab in chemotherapy refractory colorectal cancer patients. 2008 , 19, 717-23	225
Cetuximab shows activity in colorectal cancer patients with tumors for which FISH analysis does not detect an increase in EGFR gene copy number. 2008 , 15, 649-54	82
National Academy of Clinical Biochemistry laboratory medicine practice guidelines for use of tumor markers in testicular, prostate, colorectal, breast, and ovarian cancers. 2008 , 54, e11-79	451
1925 Pharmacogenetics in colorectal cancer: a systematic review. 2008 , 9, 1079-99	28
1924 Predicting the response to targeted therapy in metastatic colorectal cancer. 2008 , 4, 208-217	
1923 Targeted therapy of cancer: new roles for pathologists. 2008 , 21 Suppl 2, S1	7
1922 Molecular diagnosis in oncology. 2008 , 42, 687-698	2
1921 The role of PTEN signaling perturbations in cancer and in targeted therapy. 2008 , 27, 5477-85	291
Enhancement of the antitumor activity of ionising radiation by nimotuzumab, a humanised monoclonal antibody to the epidermal growth factor receptor, in non-small cell lung cancer cell lines of differing epidermal growth factor receptor status. 2008 , 98, 749-55	87
1919 Primary resistance to cetuximab therapy in EGFR FISH-positive colorectal cancer patients. 2008 , 99, 83-9	155
Clinical interest of KRAS mutation detection in blood for anti-EGFR therapies in metastatic colorectal cancer. 2008 , 99, 551-2	35
KRAS or BRAF mutation status is a useful predictor of sensitivity to MEK inhibition in ovarian cancer. 2008 , 99, 2020-8	73
1916 EGFR inhibitors embrace KRAS. 2008 , 26, 839-40	6
1915 ERK and MDM2 prey on FOXO3a. 2008 , 10, 125-6	40
Effective use of PI3K and MEK inhibitors to treat mutant Kras G12D and PIK3CA H1047R murine lung cancers. 2008 , 14, 1351-6	1121

1913	Commentary. 2008 , 10, 218-221	2
1912	ChimiothEapie et chirurgie : comment optimiser la rEection des mEastases hBatiques du cancer colorectal ?. 2008 , 145, 3S5-3S14	
1911	Faits marquants du 3e CongrE francophone de chirurgie digestive et hpatobiliaire. 2008, 145, 4S1-4S12	
1910	A polymorphism of EGFR extracellular domain is associated with progression free-survival in metastatic colorectal cancer patients receiving cetuximab-based treatment. 2008 , 8, 169	60
1909	Molecular detection (k-ras) of exfoliated tumour cells in the pelvis is a prognostic factor after resection of rectal cancer?. 2008 , 8, 213	6
1908	Potential value of PTEN in predicting cetuximab response in colorectal cancer: an exploratory study. 2008 , 8, 234	74
1907	[Non-resectable metastases from colorectal cancers]. 2008 , 32, S140-4	
1906	A sweet new role for EGFR in cancer. 2008 , 13, 375-6	35
1905	K-ras mutations and benefit from cetuximab in advanced colorectal cancer. 2008 , 359, 1757-65	2912
1904	A personalized approach to cancer treatment: how biomarkers can help. 2008 , 54, 1770-9	106
1903	Current status of chemotherapy for advanced colorectal cancer in Japan. 2008, 7, 15-24	3
1902	Epidermal growth factor receptor inhibitor-related skin toxicity: mechanisms, treatment, and its potential role as a predictive marker. 2008 , 7, 33-43	46
		·
1901	Association of K-ras mutational status and clinical outcomes in patients with metastatic colorectal cancer receiving panitumumab alone. 2008 , 7, 184-90	129
1901 1900	Cancer receiving panitumumab alone. 2008 , 7, 184-90 Update on novel strategies to optimize cetuximab therapy in patients with metastatic colorectal	
	Update on novel strategies to optimize cetuximab therapy in patients with metastatic colorectal	129
1900	Cancer receiving panitumumab alone. 2008 , 7, 184-90 Update on novel strategies to optimize cetuximab therapy in patients with metastatic colorectal cancer. 2008 , 7, 300-8 Understanding the predictive role of K-ras for epidermal growth factor receptor-targeted therapies in colorectal cancer. 2008 , 7 Suppl 2, S52-7	129 6
1900 1899	Cancer receiving panitumumab alone. 2008 , 7, 184-90 Update on novel strategies to optimize cetuximab therapy in patients with metastatic colorectal cancer. 2008 , 7, 300-8 Understanding the predictive role of K-ras for epidermal growth factor receptor-targeted therapies in colorectal cancer. 2008 , 7 Suppl 2, S52-7	129 6 13

(2008-2008)

1895	, 6, 86-90	2
1894	Adjuvant chemotherapy of colon cancer current strategies. 2008 , 6, 60-63	5
1893	Signalling by the EGF receptor in human cancers: accentuate the positive, eliminate the negative. 2008 , 224-244	1
1892	EGFR Signaling Networks in Cancer Therapy. 2008,	7
1891	Many different tumor types have polyclonal tumor origin: evidence and implications. 2008, 659, 232-47	67
1890	EGFR antagonists in cancer treatment. 2008, 358, 1160-74	1570
1889	Quantitative and qualitative characterization of plasma DNA identifies primary and recurrent colorectal cancer. 2008 , 263, 170-81	106
1888	Progress and challenges in the identification of biomarkers for EGFR and VEGFR targeting anticancer agents. 2008 , 11, 99-109	27
1887	The efficacy and toxicity of EGFR in the settings of radiotherapy: Focus on published clinical trials. 2008 , 44, 2133-43	18
1886	KRAS mutations predict response to EGFR inhibitors. 2008 , 8, 413-8	95
1885	Pharmacogenetics: improving drug and dose selection. 2008 , 8, 639-46	18
1884	Review article: panitumumaba fully human anti-EGFR monoclonal antibody for treatment of metastatic colorectal cancer. 2008 , 28, 269-81	35
1883	KRAS mutational testing in the selection of patients for EGFR-targeted therapies. 2008 , 25, 288-94	13
1882	First-line combination treatment of colorectal cancer with hepatic metastases: choosing a targeted agent. 2008 , 34 Suppl 2, S3-7	73
1881	EPIC: phase III trial of cetuximab plus irinotecan after fluoropyrimidine and oxaliplatin failure in patients with metastatic colorectal cancer. 2008 , 26, 2311-9	757
1880	Assessment of somatic k-RAS mutations as a mechanism associated with resistance to EGFR-targeted agents: a systematic review and meta-analysis of studies in advanced non-small-cell lung cancer and metastatic colorectal cancer. 2008 , 9, 962-72	623
1879	Predictive Markers in Colorectal Cancer. 2008 , 19, 231-238	
1878	[Detection of KRAS mutations: evolution or revolution for the pathologists?]. 2008, 28, 261-2	1

1877	KRAS mutations: an old oncogene becomes a new predictive biomarker. 2008 , 10, 493-5	41
1876	Optimal approach to potentially resectable liver metastases from colorectal cancer. 2008 , 8, 1533-9	4
1875	Cetuximab plus oxaliplatin-based chemotherapy in the treatment of colorectal cancer. 2008 , 8, 319-29	9
1874	Wild-type KRAS is required for panitumumab efficacy in patients with metastatic colorectal cancer. 2008 , 26, 1626-34	2666
1873	KRAS wild-type state predicts survival and is associated to early radiological response in metastatic colorectal cancer treated with cetuximab. 2008 , 19, 508-15	651
1872	Wild-type BRAF is required for response to panitumumab or cetuximab in metastatic colorectal cancer. 2008 , 26, 5705-12	1358
1871	The relevance of molecular diagnostics in the practice of surgical pathology. 2008 , 2, 1401-14	4
1870	KRAS mutations as an independent prognostic factor in patients with advanced colorectal cancer treated with cetuximab. 2008 , 26, 374-9	1240
1869	Epidermal growth factor receptor (EGFR) high gene copy number and activating mutations in lung adenocarcinomas are not consistently accompanied by positivity for EGFR protein by standard immunohistochemistry. 2008 , 10, 160-8	45
1868	Genetic predictors of MEK dependence in non-small cell lung cancer. <i>Cancer Research</i> , 2008 , 68, 9375-83 _{10.1}	216
	Genetic predictors of MEK dependence in non-small cell lung cancer. <i>Cancer Research</i> , 2008 , 68, 9375-83 _{10.1} Therapy for Unresectable Metastatic Colorectal Cancer. 2008 , 19, 216-225	216
1867		216
1867	Therapy for Unresectable Metastatic Colorectal Cancer. 2008 , 19, 216-225	
1867 1866	Therapy for Unresectable Metastatic Colorectal Cancer. 2008, 19, 216-225 First-line single-agent cetuximab in patients with advanced colorectal cancer. 2008, 19, 711-6 Multicenter Phase II study of cetuximab plus irinotecan in metastatic colorectal carcinoma	34
1867 1866 1865	Therapy for Unresectable Metastatic Colorectal Cancer. 2008, 19, 216-225 First-line single-agent cetuximab in patients with advanced colorectal cancer. 2008, 19, 711-6 Multicenter Phase II study of cetuximab plus irinotecan in metastatic colorectal carcinoma refractory to irinotecan, oxaliplatin and fluoropyrimidines. 2008, 38, 762-9 Novel agents in the era of targeted therapy: what have we learned and how has our practice	34 27
1867 1866 1865 1864	Therapy for Unresectable Metastatic Colorectal Cancer. 2008, 19, 216-225 First-line single-agent cetuximab in patients with advanced colorectal cancer. 2008, 19, 711-6 Multicenter Phase II study of cetuximab plus irinotecan in metastatic colorectal carcinoma refractory to irinotecan, oxaliplatin and fluoropyrimidines. 2008, 38, 762-9 Novel agents in the era of targeted therapy: what have we learned and how has our practice changed?. 2008, 19 Suppl 7, vii281-8	34 27
1867 1866 1865 1864 1863	Therapy for Unresectable Metastatic Colorectal Cancer. 2008, 19, 216-225 First-line single-agent cetuximab in patients with advanced colorectal cancer. 2008, 19, 711-6 Multicenter Phase II study of cetuximab plus irinotecan in metastatic colorectal carcinoma refractory to irinotecan, oxaliplatin and fluoropyrimidines. 2008, 38, 762-9 Novel agents in the era of targeted therapy: what have we learned and how has our practice changed?. 2008, 19 Suppl 7, vii281-8 Editorial: the long and winding road to better cancer cell-specific therapies. 2008, 13, 593-5	34 27 3

(2008-2008)

1859	The role of cetuximab in pre-treated refractory patients with metastatic colorectal cancer: outcome study in clinical practice. 2008 , 20, 374-9		3
1858	Anti-EGFR monoclonal antibodies in metastatic colorectal cancer: time for an individualized approach?. 2008 , 8, 1471-80		11
1857	Identification of a small molecule with synthetic lethality for K-ras and protein kinase C iota. <i>Cancer Research</i> , 2008 , 68, 7403-8	10.1	72
1856	PIK3CA mutation/PTEN expression status predicts response of colon cancer cells to the epidermal growth factor receptor inhibitor cetuximab. <i>Cancer Research</i> , 2008 , 68, 1953-61	10.1	397
1855	KRAS mutation signature in colorectal tumors significantly overlaps with the cetuximab response signature. 2008 , 26, 2228-30; author reply 2230-1		26
1854	The effects of common genetic variants in oncogenes on ovarian cancer survival. 2008 , 14, 5833-9		30
1853	Application of proteome analysis to the assessment of prognosis and response prediction in clinical oncology. 2008 , 8, 141-5		5
1852	K-Ras mutation status as a predictive biomarker in metastatic colorectal cancer. 2008 , 2, 97-9		2
1851	Determinants of RASistance to anti-epidermal growth factor receptor agents. 2008, 26, 1582-4		69
1850	Principles of Molecular Oncology. 2008,		1
1850 1849	Dose and schedule study of panitumumah monotherapy in patients with advanced solid		101
	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008 , 14, 502-8		
1849	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008 , 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008 , 13, 1074-83		101
1849 1848	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008, 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008, 13, 1074-83 In Reply. 2008, 26, 2601-2602		101 56
1849 1848 1847	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008, 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008, 13, 1074-83 In Reply. 2008, 26, 2601-2602 Current situation of Panitumumab, Matuzumab, Nimotuzumab and Zalutumumab. 2008, 47, 9-19 High concordance of KRAS status between primary colorectal tumors and related metastatic sites:		101 56 3
1849 1848 1847	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008, 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008, 13, 1074-83 In Reply. 2008, 26, 2601-2602 Current situation of Panitumumab, Matuzumab, Nimotuzumab and Zalutumumab. 2008, 47, 9-19 High concordance of KRAS status between primary colorectal tumors and related metastatic sites: implications for clinical practice. 2008, 13, 1270-5		10156375
1849 1848 1847 1846	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008, 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008, 13, 1074-83 In Reply. 2008, 26, 2601-2602 Current situation of Panitumumab, Matuzumab, Nimotuzumab and Zalutumumab. 2008, 47, 9-19 High concordance of KRAS status between primary colorectal tumors and related metastatic sites: implications for clinical practice. 2008, 13, 1270-5 K-Ras mutations and treatment outcome in colorectal cancer patients receiving exclusive fluoropyrimidine therapy. 2008, 14, 4830-5		101 56 3 75 197
1849 1848 1847 1846 1845	Dose and schedule study of panitumumab monotherapy in patients with advanced solid malignancies. 2008, 14, 502-8 Innovations in chemotherapy for metastatic colorectal cancer: an update of recent clinical trials. 2008, 13, 1074-83 In Reply. 2008, 26, 2601-2602 Current situation of Panitumumab, Matuzumab, Nimotuzumab and Zalutumumab. 2008, 47, 9-19 High concordance of KRAS status between primary colorectal tumors and related metastatic sites: implications for clinical practice. 2008, 13, 1270-5 K-Ras mutations and treatment outcome in colorectal cancer patients receiving exclusive fluoropyrimidine therapy. 2008, 14, 4830-5 Molecular imaging of therapeutic response to epidermal growth factor receptor blockade in colorectal cancer. 2008, 14, 7413-22		10156375197130

1841	Pharmacoepigenomics in colorectal cancer: a step forward in predicting prognosis and treatment response. 2008 , 9, 1903-16	21
1840	ErbB antagonists patenting: "playing chess with cancer". 2008 , 2, 181-7	5
1839	Drug Insight: panitumumab, a human EGFR-targeted monoclonal antibody with promising clinical activity in colorectal cancer. 2008 , 5, 415-25	16
1838	EGF-receptor targeting with monoclonal antibodies in colorectal carcinomas: rationale for a pharmacogenomic approach. 2008 , 9, 55-69	11
1837	Emerging drugs for colorectal cancer. 2008 , 13, 629-42	9
1836	Current status of antivascular therapy and targeted treatment in the clinic. 2008, 24, 97-110	O
1835	Epidermal growth factor receptor (EGF-R) inhibitors for metastatic colorectal cancer. 2008,	5
1834	Clinico-Pathologic and Biologic Predictors of EGFR Inhibitors Activity and Efficacy in Lung and in Colorectal Cancer. 2008 , 3, 234-243	
1833	Cetuximab, its clinical use and future perspectives. 2008 , 19, 99-113	51
1832	Lessons from Tarceva in pancreatic cancer: where are we now, and how should future trials be designed in pancreatic cancer?. 2008 , 20, 454-8	14
1831	Current status of treatment of metastatic colorectal cancer with special reference to cetuximab and elderly patients. 2008 , 17	
1830	Targeting colorectal cancer with anti-epidermal growth factor receptor antibodies: focus on panitumumab. 2008 , 4, 1221-7	10
1829	Monoclonal Antibody Therapy of Cancer. 2008 , 671-678	
1828	EGFR targeted therapy in non-small cell lung cancer: potential role of cetuximab. 2009, 215	
1827	Advancements in the use of chemotherapy for colorectal cancer. 2009 , 7, 28-37	
1826	Evolving role of cetuximab in the treatment of colorectal cancer. 2009 , Volume 1, 79-88	3
1825	[Technical considerations for KRAS testing in colorectal cancer. The biologist's point of view]. 2009 , 96 Suppl, S47-56	4
1824	[Prognostic role of KRAS mutation in colorectal cancer]. 2009 , 96 Suppl, S23-30	1

(2009-2009)

1823	[Technical considerations for KRAS testing in colorectal cancer. The pathologist's point of view]. 2009 , 96 Suppl, S15-22	2
1822	[Use of anti-EGFR antibodies (cetuximab and panitumumab) in the treatment of metastatic colorectal cancer in KRAS wild type patients]. 2009 , 96 Suppl, S31-40	
1821	BITC Sensitizes Pancreatic Adenocarcinomas to TRAIL-induced Apoptosis. 2009 , 2, CGM.S3982	7
1820	[Impact of mutational status of KRAS in the care of patients with colorectal cancer metastasis]. 2009 , 96 Suppl, S41-6	1
1819	Safety and Efficacy of Panitumumab in the Treatment of Metastatic Colorectal Cancer. 2009 , 1, CMT.S2039	1
1818	[Chemotherapy for colorectal cancer]. 2009 , 54, 355-63	2
1817	[Metastatic colorectal cancers and targeted therapy against EGFR]. 2009 , 25 Spec No 1, 13-21	1
1816	Update in antiepidermal growth factor receptor therapy in the management of metastatic colorectal cancer. 2009 , 2009, 967920	6
1815	Mutation detection by real-time PCR: a simple, robust and highly selective method. 2009, 4, e4584	73
	Multi-determinants analysis of molecular alterations for predicting clinical benefit to	
1814	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009 , 4, e7287	209
1814		20968
1813	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009 , 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics.	
1813	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009 , 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics. 2009 , 4, e7746	68
1813 1812 1811	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009 , 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics. 2009 , 4, e7746 EGFR genomic alterations in cancer: prognostic and predictive values. 2009 , E3, 879	68
1813 1812 1811 1810	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009, 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics. 2009, 4, e7746 EGFR genomic alterations in cancer: prognostic and predictive values. 2009, E3, 879 KRAS mutations in non-small cell lung cancer. 2009, 6, 201-5	68 3 399
1813 1812 1811 1810	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009, 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics. 2009, 4, e7746 EGFR genomic alterations in cancer: prognostic and predictive values. 2009, E3, 879 KRAS mutations in non-small cell lung cancer. 2009, 6, 201-5 Emerging drugs in the treatment of pancreatic cancer. 2009, 14, 311-28 The marriage of growth factor inhibitors and chemotherapy: bliss or bust?. 2009, 27, 1545-8 Medical treatment of advanced colorectal cancer in 2009. 2009, 1, 55-68	68 3 399 9
1813 1812 1811 1810	EGFR-targeted monoclonal antibodies in colorectal cancer. 2009, 4, e7287 Targeted KRAS mutation assessment on patient tumor histologic material in real time diagnostics. 2009, 4, e7746 EGFR genomic alterations in cancer: prognostic and predictive values. 2009, E3, 879 KRAS mutations in non-small cell lung cancer. 2009, 6, 201-5 Emerging drugs in the treatment of pancreatic cancer. 2009, 14, 311-28 The marriage of growth factor inhibitors and chemotherapy: bliss or bust?. 2009, 27, 1545-8	68 3 399 9 8

1805	Concomitant mutations and splice variants in KRAS and BRAF demonstrate complex perturbation of the Ras/Raf signalling pathway in advanced colorectal cancer. 2009 , 58, 1234-41		49
1804	KRAS mutations and anti-epidermal growth factor receptor therapy in colorectal cancer with lymph node metastases. 2009 , 27, 158-9; author reply 159		12
1803	PI3KCA/PTEN deregulation contributes to impaired responses to cetuximab in metastatic colorectal cancer patients. 2009 , 20, 84-90		327
1802	TP53 mutations predict disease control in metastatic colorectal cancer treated with cetuximab-based chemotherapy. 2009 , 100, 1330-5		75
1801	Targeted cancer therapeutics. Cancer Research, 2009, 69, 1263-7; discussion 1267	10.1	122
1800	KRAS and TP53 mutations in colorectal carcinoma. 2009 , 15, 217-9		12
1799	Mutations and response to epidermal growth factor receptor inhibitors. 2009 , 15, 1133-9		107
1798	Risk of high-grade skin rash in cancer patients treated with cetuximaban antibody against epidermal growth factor receptor: systemic review and meta-analysis. 2009 , 77, 124-33		52
1797	Clinical and economic value of screening for Kras mutations as predictors of response to epidermal growth factor receptor inhibitors. 2009 , 66, 2105-12		22
1796	Mechanisms of tumor resistance to EGFR-targeted therapies. 2009 , 13, 339-62		66
1795	Genomics and Pharmacogenomics in Anticancer Drug Development and Clinical Response. 2009,		2
1794	PIK3CA mutations are not a major determinant of resistance to the epidermal growth factor receptor inhibitor cetuximab in metastatic colorectal cancer. 2009 , 15, 3184-8		276
1793	The clinical benefit of bevacizumab in metastatic colorectal cancer is independent of K-ras mutation status: analysis of a phase III study of bevacizumab with chemotherapy in previously untreated metastatic colorectal cancer. 2009 , 14, 22-8		189
1792	Impact of Fc{gamma}RIIa-Fc{gamma}RIIIa polymorphisms and KRAS mutations on the clinical outcome of patients with metastatic colorectal cancer treated with cetuximab plus irinotecan. 2009 , 27, 1122-9		425
1791	PIK3CA mutation is associated with poor prognosis among patients with curatively resected colon cancer. 2009 , 27, 1477-84		274
1790	The role of KRAS mutations in predicting the efficacy of cetuximab-plus-irinotecan therapy in irinotecan-refractory Korean metastatic colorectal cancer patients. 2009 , 77, 224-30		23
1789	Systemic therapies in hepatocellular carcinoma. 2009 , 27, 175-88		50
1788	Biomarkers of Resistance to Epidermal Growth Factor Receptor Monoclonal Antibodies in Patients with Metastatic Colorectal Cancer. 2009 , 15, 7492-7501		42

(2009-2009)

1787	How can we improve antibody-based cancer therapy?. 2009 , 1, 67-70	9
1786	Different types of K-Ras mutations are conversely associated with overall survival in patients with colorectal cancer. 2009 , 21, 1283-7	36
1785	Overview of the molecular bases of resistance to chemotherapy in liver and gastrointestinal tumours. 2009 , 9, 1108-29	31
1784	Importance and limitations of chemotherapy among the available treatments for gastrointestinal tumours. 2009 , 9, 162-84	21
1783	Current situation of zalutumumab. 2009 , 9, 667-74	14
1782	KRAS mutations and sensitivity to anti-EGFR monoclonal antibodies in metastatic colorectal carcinoma: an open issue. 2009 , 9, 565-77	8
1781	Cigarettes smoking habit may reduce benefit from cetuximab-based treatment in advanced colorectal cancer patients. 2009 , 9, 945-9	12
1780	New trends in epidermal growth factor receptor-directed monoclonal antibodies. 2009 , 1, 965-82	10
1779	Simultaneous Detection of Colorectal Cancer Mutations in Stool Samples with Biochip Arrays. 2009 , 28, 285-292	
1778	K-RAS mutation in the screening, prognosis and treatment of cancer. 2009 , 3, 757-69	31
1777	Targeted therapies in solid tumours: pinpointing the tumour's Achilles heel. 2009 , 15, 207-42	9
1776	Activity of panitumumab alone or with chemotherapy in non-small cell lung carcinoma cell lines expressing mutant epidermal growth factor receptor. 2009 , 8, 1536-46	23
1775	Novel ways to sensitise gastrointestinal cancer to apoptosis. 2009 , 58, 1010-24	8
1774	The long and winding road to useful predictive factors for anti-EGFR therapy in metastatic colorectal carcinoma: the KRAS/BRAF pathway. 2009 , 77 Suppl 1, 57-68	38
1773	Epidermal growth factor receptor gene copy number, K-ras mutation and pathological response to preoperative cetuximab, 5-FU and radiation therapy in locally advanced rectal cancer. 2009 , 20, 469-74	73
1772	KRAS mutation in stage III colon cancer and clinical outcome following intergroup trial CALGB 89803. 2009 , 15, 7322-9	159
1771	Can epidermal growth factor receptor-fluorescent in situ hybridization predict clinical benefit from cetuximab treatment in patients with non-small-cell lung cancer?. 2009 , 27, 464-5; author reply 465-7	5
1770	In Reply. 2009 , 27, 465-467	4

1769 Chemotherapy with targeted agents for the treatment of metastatic colorectal cancer. 2009 , 14, 478-88	80
Implementation of novel pyrosequencing assays to screen for common mutations of BRAF and KRAS in a cohort of sporadic colorectal cancers. 2009 , 18, 62-71	44
Experimental results and related clinical implications of PET detection of epidermal growth factor receptor (EGFr) in cancer. 2009 , 20, 213-26	31
1766 Are we hitting the right combination for hormonally sensitive breast cancer?. 2009 , 27, 2580-2	3
Molecular determinants of response to matuzumab in combination with paclitaxel for patients with advanced non-small cell lung cancer. 2009 , 8, 481-9	17
KRAS status and epidermal growth factor receptor expression as determinants for anti-EGFR therapies in salivary gland carcinomas. 2009 , 45, 826-9	18
A gene expression predictor of response to EGFR-targeted therapy stratifies progression-free survival to cetuximab in KRAS wild-type metastatic colorectal cancer. 2009 , 9, 145	23
Presence of activating KRAS mutations correlates significantly with expression of tumour suppressor genes DCN and TPM1 in colorectal cancer. 2009 , 9, 282	27
1761 ERBBs in the gastrointestinal tract: recent progress and new perspectives. 2009 , 315, 583-601	37
Phase II trial of single agent cetuximab in patients with persistent or recurrent epithelial ovarian or primary peritoneal carcinoma with the potential for dose escalation to rash. 2009 , 113, 21-7	83
1759 Roles of pathologists in molecular targeted cancer therapy. 2009 , 13, 4286-90	3
1758 Molecular perspectives on the non-responder phenomenon. 2009 , 14, 373-9	2
Clinical and economic impact of the nonresponder phenomenonimplications for systems based discovery. 2009 , 14, 380-5	8
1756 [Pathology: on the way to molecular analysis]. 2009 , 33, 767-74	
[Targeted biotherapy: a revolution in the management of patients with colorectal cancer?]. 2009 , 33, 672-80	6
CO.23 Impact des polymorphismes gfiEiques associfi 🛮 lEIGFR sur la rfionse au cetuximab dans le cancer colorectal mEastatique (CCRM). 2009 , 33, A12	
P.196 L\(\text{\text{B}}\)xpression nucl\(\text{\text{B}}\)ire de PTEN pr\(\text{\text{B}}\)it la survie des patients trait\(\text{\text{B}}\) par c\(\text{\text{B}}\)uximab dans le cancer colorectal m\(\text{B}\)astatique (CCRM). 2009 , 33, A146	
1752 AntikEper Ineue Krebsmedikamente. Gezielt wirksame Biomedizin. 2009 , 43, 328-338	1

1751	Mechanisms of resistance to EGFR inhibitors in head and neck cancer. 2009 , 31, 1086-94	32
1750	Evidence of heterogeneity within colorectal liver metastases for allelic losses, mRNA level expression and in vitro response to chemotherapeutic agents. 2010 , 127, 1028-37	19
1749	Epidermal growth factor receptor status and persistent activation of Akt and p44/42 MAPK pathways correlate with the effect of cetuximab in head and neck and colon cancer cell lines. 2009 , 135, 395-402	37
1748	Place des thEapeutiques moltulaires cibles dans les carcinomes pidermodes des voies aEodigestives suptieures. 2009 , 11, 152-159	2
1747	Pharmacogenomics in chemotherapy for GI tract cancer. 2009 , 44, 1016-25	9
1746	The role of salvage treatment in advanced colorectal cancer. 2009 , 71, 53-61	11
1745	Efficacy and safety of erlotinib in patients with locally advanced or metastatic breast cancer. 2009 , 115, 115-21	101
1744	Biomarkers and anti-EGFR therapies for KRAS wild-type metastatic colorectal cancer. 2009 , 11, 737-747	7
1743	EGFR FISH analysis in colorectal cancer as a tool in selecting patients for antiEGFR monoclonal antibodies therapy. 2009 , 3, 187-193	1
1742	Molecular predictors of response to EGFR antibodies in colorectal cancer. 2009 , 5, 57-63	1
1741	Incidence of KRAS status in ongoing adjuvant trials in colon cancer. 2009 , 5, 171-178	2
1740	Targeting mitogen-activated protein kinase kinase (MEK) in solid tumors. 2009 , 4, 267-73	19
1739	Implications of KRAS mutation status for the treatment of metastatic colorectal cancer. 2009 , 4, 311-22	3
1738	Cancer colorectal mEastatique et thEapies cibles. 2009 , 3, 230-238	
1737	Prognostic significance of alterations in KRAS isoforms KRAS-4A/4B and KRAS mutations in colorectal carcinoma. 2009 , 219, 435-45	67
1736	Anti-epidermal growth factor receptor monoclonal antibodies in cancer therapy. 2009 , 158, 1-9	221
1735	Comparative validation of c-kit exon 11 mutation analysis on cytology samples and corresponding surgical resections of gastrointestinal stromal tumours. 2009 , 20, 297-303	6
1734	GNAS1 mutations occur more commonly than previously thought in intramuscular myxoma. 2009 , 22, 718-24	79

1733	Application of COLD-PCR for improved detection of KRAS mutations in clinical samples. 2009 , 22, 1023-31	102
1732	P53 and PTEN expression contribute to the inhibition of EGFR downstream signaling pathway by cetuximab. 2009 , 16, 498-507	18
1731	Individualized therapy in non-small-cell lung cancer: future versus current clinical practice. 2009 , 28 Suppl 1, S38-45	25
1730	Differing deregulation of EGFR and downstream proteins in primary colorectal cancer and related metastatic sites may be clinically relevant. 2009 , 100, 1087-94	103
1729	Vandetanib (ZD6474), an inhibitor of VEGFR and EGFR signalling, as a novel molecular-targeted therapy against cholangiocarcinoma. 2009 , 100, 1257-66	79
1728	Treatment in advanced colorectal cancer: what, when and how?. 2009, 100, 1704-19	81
1727	Prognostic and predictive value of common mutations for treatment response and survival in patients with metastatic colorectal cancer. 2009 , 101, 465-72	243
1726	KRAS codon 61, 146 and BRAF mutations predict resistance to cetuximab plus irinotecan in KRAS codon 12 and 13 wild-type metastatic colorectal cancer. 2009 , 101, 715-21	450
1725	Meta-analysis: the efficacy and safety of monoclonal antibody targeted to epidermal growth factor receptor in the treatment of patients with metastatic colorectal cancer. 2009 , 10, 247-57	14
1724	Modulation of cellular redox state underlies antagonism between oxaliplatin and cetuximab in human colorectal cancer cell lines. 2009 , 158, 610-20	75
1723	Frequency and type of KRAS mutations in routine diagnostic analysis of metastatic colorectal cancer. 2009 , 205, 858-62	223
1722	Prospective cost-effectiveness analysis of cetuximab in metastatic colorectal cancer: evaluation of National Cancer Institute of Canada Clinical Trials Group CO.17 trial. 2009 , 101, 1182-92	104
1721	Are RAS mutations predictive markers of resistance to standard chemotherapy?. 2009 , 6, 528-34	66
1720	Fluorouracil, leucovorin, and oxaliplatin with and without cetuximab in the first-line treatment of metastatic colorectal cancer. 2009 , 27, 663-71	1360
1719	Detection of KRAS oncogene in peripheral blood as a predictor of the response to cetuximab plus chemotherapy in patients with metastatic colorectal cancer. 2009 , 15, 4508-13	83
1718	Evaluation of high-resolution melting analysis as a diagnostic tool to detect the BRAF V600E mutation in colorectal tumors. 2009 , 11, 140-7	78
1717	Markers involved in resistance to cytotoxics and targeted therapeutics in pancreatic cancer. 2009 , 35, 167-74	46
1716	Clinical relevance of EGFR- and KRAS-status in colorectal cancer patients treated with monoclonal antibodies directed against the EGFR. 2009 , 35, 262-71	157

1715	Anti-epidermal growth factor receptor monoclonal antibodies in cancer treatment. 2009 , 35, 354-63	99
1714	Colon, rectal, and anal cancers. 2009 , 25, 32-47	15
1713	[What are the new therapeutic strategies in metastatic colorectal cancer including biotherapies?]. 2009 , 30, 411-5	1
1712	The irrepressible rise of biomarkers in oncology. 2009 , 57, 509-10	1
1711	Implications for KRAS status and EGFR-targeted therapies in metastatic CRC. 2009, 6, 519-27	341
1710	Molecular targets for tumor radiosensitization. 2009 , 109, 2974-88	39
1709	Correlation between efficacy and skin rash occurrence following treatment with the epidermal growth factor receptor inhibitor cetuximab: a single institution retrospective analysis. 2009 , 21, 1023-8	41
1708	The multidisciplinary management of rectal cancer. 2009 , 89, 177-215, ix-x	28
1707	Cetuximab and chemotherapy as initial treatment for metastatic colorectal cancer. 2009, 360, 1408-17	3065
1706	PIK3CA mutations in colorectal cancer are associated with clinical resistance to EGFR-targeted monoclonal antibodies. <i>Cancer Research</i> , 2009 , 69, 1851-7	1 642
1706 1705		1 642 459
	monoclonal antibodies. <i>Cancer Research</i> , 2009 , 69, 1851-7 KRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009 , 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of	
1705	monoclonal antibodies. <i>Cancer Research</i> , 2009 , 69, 1851-7 KRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009 , 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of	459
1705 1704	monoclonal antibodies. <i>Cancer Research</i> , 2009 , 69, 1851-7 KRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009 , 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of colorectal cancer. 2009 , 8, 15-21 Phase II trial of erlotinib and capecitabine for patients with previously untreated metastatic colorectal cancer. 2009 , 8, 38-42	459 16
1705 1704 1703	MRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009, 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of colorectal cancer. 2009, 8, 15-21 Phase II trial of erlotinib and capecitabine for patients with previously untreated metastatic colorectal cancer. 2009, 8, 38-42 KRAS testing in metastatic colorectal cancer: implications on the use of biologic agents. 2009, 8, 135-40 Targeting EGER with photodynamic therapy in combination with Erbitux enhances in vivo bladder.	459 16
1705 1704 1703 1702	KRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009, 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of colorectal cancer. 2009, 8, 15-21 Phase II trial of erlotinib and capecitabine for patients with previously untreated metastatic colorectal cancer. 2009, 8, 38-42 KRAS testing in metastatic colorectal cancer: implications on the use of biologic agents. 2009, 8, 135-40 Targeting EGFR with photodynamic therapy in combination with Erbitux enhances in vivo bladder tumor response. 2009, 8, 94	459 16 11
1705 1704 1703 1702	KRAS and BRAF mutations in advanced colorectal cancer are associated with poor prognosis but do not preclude benefit from oxaliplatin or irinotecan: results from the MRC FOCUS trial. 2009, 27, 5931-7 Role of pharmacogenetics as predictive biomarkers of response and/or toxicity in the treatment of colorectal cancer. 2009, 8, 15-21 Phase II trial of erlotinib and capecitabine for patients with previously untreated metastatic colorectal cancer. 2009, 8, 38-42 KRAS testing in metastatic colorectal cancer: implications on the use of biologic agents. 2009, 8, 135-40 Targeting EGFR with photodynamic therapy in combination with Erbitux enhances in vivo bladder tumor response. 2009, 8, 94 Individualized therapies in colorectal cancer: KRAS as a marker for response to EGFR-targeted	459 16 11 3

1697	PTEN expression and KRAS mutations on primary tumors and metastases in the prediction of benefit from cetuximab plus irinotecan for patients with metastatic colorectal cancer. 2009 , 27, 2622-9	368
1696	Treatment of patients with colorectal cancer: emphasis on liver metastases. 2009 , 10, 109-24	1
1695	Clinical biomarkers in oncology: focus on colorectal cancer. 2009 , 13, 103-14	37
1694	Cetuximab in metastatic or recurrent head and neck cancer: the EXTREME trial. 2009 , 9, 1421-8	73
1693	Biomarkers predicting clinical outcome of epidermal growth factor receptor-targeted therapy in metastatic colorectal cancer. 2009 , 101, 1308-24	424
1692	Unmasking the role of KRAS and BRAF pathways in MSI colorectal tumors. 2009 , 3, 5-9	12
1691	Current management of colorectal hepatic metastasis. 2009 , 3, 131-44	74
1690	Emerging molecular targeted therapies in the treatment of head and neck cancer. 2009 , 14, 299-310	40
1689	Reverse resistance to radiation in KYSE-150R esophageal carcinoma cell after epidermal growth factor receptor signal pathway inhibition by cetuximab. 2009 , 93, 468-73	42
1688	Pharmacogenetics and biomarkers in colorectal cancer. 2009 , 9, 147-60	19
1687	Impact of molecular markers on treatment selection in advanced colorectal cancer. 2009 , 45 Suppl 1, 70-8	8
1686	New approaches and targets in advanced colorectal cancer. 2009 , 45 Suppl 1, 79-88	4
1685	Gastrointestinal toxicities of novel agents in cancer therapy. 2009 , 45 Suppl 1, 332-42	23
1684	Beyond the KRAS test. 2009 , 45 Suppl 1, 398-9	3
1683	Analysis of PTEN, BRAF, and EGFR status in determining benefit from cetuximab therapy in wild-type KRAS metastatic colon cancer. 2009 , 27, 5924-30	586
1682	Advances in the treatment of metastatic colorectal cancer. 2009 , 16, 412-20	34
1681	Low-dose metronomic chemotherapy of paclitaxel synergizes with cetuximab to suppress human colon cancer xenografts. 2009 , 20, 355-63	28
1680	PTEN expression controls cellular response to cetuximab by mediating PI3K/AKT and RAS/RAF/MAPK downstream signaling in KRAS wild-type, hormone refractory prostate cancer cells. 2009 ,	1

(2010-2009)

Wild-Type KRAS Is Required for Panitumumab Efficacy in Patients With Metastatic Colorectal 1679 Cancer. 2009, 2009, 213-214 [From the ancient serotherapy to naked antibodies: a century of successful targeted therapies]. **2009**, 25, 999-1009 1677 [From orthoclone to denosumab, the fast growing market of monoclonal antibodies]. 2009, 25, 1177-82 2 Toward an individualizing therapy for colorectal cancer: the example of the anti-EGFR monoclonal 1676 antibodies. 2009, 6, 145-157 Waluation et validation des tests diagnostiques dans le cadre du ciblage thapeutique. 2009, 64, 187-194 5 1674 Evaluation and validation of diagnostic tests for guiding therapeutic decisions. 2009, 64, 187-201 KRAS mutational status as a predictor of epidermal growth factor receptor inhibitor efficacy in 1673 22 colorectal cancer. 2009, 16, 554-61 Translational strategies to implement personalized medicine: rheumatoid arthritis examples. 2009, 1672 6, 429-437 1671 Advances in targeted therapies for metastatic colorectal cancer. 2009, 6, 321-333 1 Recent Advances in the Signal Transduction Targeting of Colorectal Cancer: The Paradigm of Translational Medicine. 2009, 4, 6-21 High epidermal growth factor receptor expression in metastatic colorectal cancer lymph nodes may 1669 15 be more prognostic of poor survival than in primary tumor. 2009, 32, 245-52 Integration of anti-epidermal growth factor receptor therapies with cytotoxic chemotherapy. 2010, 1668 16, 226-34 1667 Advocacy in personalized medicine: a developing strength in a complex space. 2010, 7, 179-186 2 Insights into the role of Fc gamma receptors (FcgammaRs) genetic variations in monoclonal 1666 6 antibody-based anti-cancer therapy. 2010, 5, 197-204 1665 Cetuximab: from bench to bedside. **2010**, 10, 80-95 93 KRAS Mutation Analysis Prior to EGFR-Directed Therapy for Metastatic Colorectal Cancer: A Review 1664 3 and Cost Analysis. 2010, 6, 256-261 KRAS mutations in Slovene patients with colorectal cancer: frequency, distribution and correlation 1663 11 with the response to treatment. 2010, 36, 1137-44 1662 Is it prime time for personalized medicine in cancer treatment?. **2010**, 7, 387-397

1661	Molecular markers in the treatment of metastatic colorectal cancer. 2010 , 16, 262-72	63
1660	Cetuximab promotes immunotoxicity against rhabdomyosarcoma in vitro. 2010 , 33, 279-86	12
1659	Gastric carcinoma in China: Current status and future perspectives (Review). 2010 , 1, 407-412	39
1658	Gene alterations in head and neck carcinomas and their role in promoting malignant behavior (Review). 2010 , 36, 525-32	3
1657	Combination Effect of Cetuximab with Radiation in Colorectal Cancer Cells. 2010 , 96, 713-720	11
1656	KRAS mutation testing in human cancers: The pathologist's role in the era of personalized medicine. 2010 , 17, 23-32	7 2
1655	KRAS mutation correlates with accelerated metastatic progression in patients with colorectal liver metastases. 2010 , 17, 572-8	131
1654	KRAS mutation and microsatellite instability: two genetic markers of early tumor development that influence the prognosis of colorectal cancer. 2010 , 17, 416-24	68
1653	KRAS mutation in colon cancer: a marker of resistance to EGFR-I therapy. 2010 , 17, 1168-76	86
1652	Enhancing detection of circulating tumor cells with activating KRAS oncogene in patients with colorectal cancer by weighted chemiluminescent membrane array method. 2010 , 17, 624-33	48
1651	KRAS and BRAF mutational status in primary colorectal tumors and related metastatic sites: biological and clinical implications. 2010 , 17, 1429-34	96
1650	Personalized medicine: marking a new epoch in cancer patient management. 2010 , 8, 1175-87	125
1649	Molekulardiagnostik des Lungenkarzinoms zur Therapiestratifizierung. 2010 , 3, 87-93	
1648	Predictive factors for the efficacy of cetuximab plus chemotherapy as salvage therapy in metastatic gastric cancer patients. 2010 , 65, 579-87	30
1647	Epidermal growth factor receptor (EGFR) mRNA levels and protein expression levels in primary colorectal cancer and corresponding liver metastases. 2010 , 65, 825-31	13
1646	[Molecular diagnostics in lung carcinoma for therapy stratification]. 2010 , 31, 22-8	3
1645	Imprint cytology in tumor tissue bank quality control: an efficient method to evaluate tumor necrosis and to detect samples without tumor cells. 2010 , 456, 443-7	10
1644	Molekulare Marker zur Responseprdiktion beim lokal fortgeschrittenen Rektumkarzinom. 2010 , 16, 779-788	1

1643	Panitumumab: an arrow on target. 2010 , 16, 143-8	2
1642	Effect of cetuximab treatment in squamous cell carcinomas. 2010 , 31, 141-7	11
1641	Integrated molecular dissection of the epidermal growth factor receptor (EGFR) [corrected] oncogenic pathway to predict response to EGFR-targeted monoclonal antibodies in metastatic colorectal cancer. 2010 , 5, 19-28	26
1640	Update on the surgical pathology standards on rectal cancer diagnosis, staging and quality assessment of surgery. 2010 , 12, 431-6	6
1639	Progress in metastatic colorectal cancer: growing role of cetuximab to optimize clinical outcome. 2010 , 12, 533-42	48
1638	Circulating Tumor Cells and Colorectal Cancer. 2010 , 6, 212-220	46
1637	KRAS testing and its importance in colorectal cancer. 2010 , 12, 160-7	9
1636	Safety and efficacy of panitumumab following cetuximab: retrospective review of the Memorial Sloan-Kettering experience. 2010 , 28, 353-60	22
1635	CEACAM-7: a predictive marker for rectal cancer recurrence. 2010 , 147, 713-9	17
1634	Uncovering packaging features of co-regulated modules based on human protein interaction and transcriptional regulatory networks. 2010 , 11, 392	8
1633	Lack of evidence for KRAS oncogenic mutations in triple-negative breast cancer. 2010 , 10, 136	44
1632	Epidermal growth factor receptor and K-RAS status in two cohorts of squamous cell carcinomas. 2010 , 10, 189	58
1631	Putative contribution of CD56 positive cells in cetuximab treatment efficacy in first-line metastatic colorectal cancer patients. 2010 , 10, 340	56
1630	KRAS analysis in colorectal carcinoma: analytical aspects of Pyrosequencing and allele-specific PCR in clinical practice. 2010 , 10, 660	57
1629	Progress towards personalized medicine. 2010 , 15, 115-20	72
1628	Therapeutic modulation of k-ras signaling in colorectal cancer. 2010 , 15, 502-16	27
1627	Targeting epidermal growth factor receptor: central signaling kinase in lung cancer. 2010 , 80, 613-23	69
1626	Oncogenic mutant forms of EGFR: lessons in signal transduction and targets for cancer therapy. 2010 , 584, 2699-706	110

1625	Gene signature is associated with early stage rectal cancer recurrence. 2010 , 211, 187-95	15
1624	Mechanisms of resistance to HER family targeting antibodies. 2010 , 316, 1083-100	123
1623	Oncologist's/haematologist's view on the roles of pathologists for molecular targeted cancer therapy. 2010 , 14, 805-17	2
1622	Oncomutations as biomarkers of cancer risk. 2010 , 51, 836-50	27
1621	Rapid targeted mutational analysis of human tumours: a clinical platform to guide personalized cancer medicine. 2010 , 2, 146-58	333
1620	Mutated KRAS results in overexpression of DUSP4, a MAP-kinase phosphatase, and SMYD3, a histone methyltransferase, in rectal carcinomas. 2010 , 49, 1024-34	157
1619	Signaling of ERBB receptor tyrosine kinases promotes neuroblastoma growth in vitro and in vivo. 2010 , 116, 3233-43	36
1618	Additional value of EGFR downstream signaling phosphoprotein expression to KRAS status for response to anti-EGFR antibodies in colorectal cancer. 2010 , 127, 1321-31	41
1617	Activation of signal pathways and the resistance to anti-EGFR treatment in colorectal cancer. 2010 , 111, 1082-6	14
1616	Gene mutations in epidermal growth factor receptor signaling network and their association with survival in Chinese patients with metastatic colorectal cancers. 2010 , 293, 1506-11	13
1615	Improving disease control in advanced colorectal cancer: Panitumumab and cetuximab. 2010 , 74, 193-202	21
1614	Colon cancer. 2010 , 74, 106-33	172
1613	Methylenetetrahydrofolate reductase (MTHFR) gene polymorphisms and FOLFOX response in colorectal cancer patients. 2010 , 69, 58-66	76
1612	Immunoglobulin G fragment C receptor polymorphisms and KRAS mutations: are they useful biomarkers of clinical outcome in advanced colorectal cancer treated with anti-EGFR-based therapy?. 2010 , 101, 2048-53	20
1611	Sprouty2 protein enhances the response to gefitinib through epidermal growth factor receptor in colon cancer cells. 2010 , 101, 2033-8	17
1610	KRAS mutational status assessment in patients with metastatic colorectal cancer: are the clinical implications so clear?. 2010 , 19, 167-71	
1609	Oncogenic mutations as predictive factors in colorectal cancer. 2010 , 29, 3033-43	87
1608	Prognostic and predictive value of TOPK stratified by KRAS and BRAF gene alterations in sporadic, hereditary and metastatic colorectal cancer patients. 2010 , 102, 151-61	44

(2010-2010)

1607	Identification of serum angiopoietin-2 as a biomarker for clinical outcome of colorectal cancer patients treated with bevacizumab-containing therapy. 2010 , 103, 1407-14	132
1606	KRAS mutation detection and prognostic potential in sporadic colorectal cancer using high-resolution melting analysis. 2010 , 103, 1627-36	38
1605	Molecular determinants of anti-EGFR sensitivity and resistance in metastatic colorectal cancer. 2010 , 103, 1765-72	61
1604	Integrating molecular diagnostics into anticancer drug discovery. 2010 , 9, 523-35	45
1603	Tumour banking as part of routine clinical practice. 2010 , 80, 203-4	2
1602	Analysis of KRAS Mutations of Exon 2 Codons 12 and 13 by SNaPshot Analysis in Comparison to Common DNA Sequencing. 2010 , 2010, 789363	21
1601	Targeting the epidermal growth factor receptor in epithelial ovarian cancer: current knowledge and future challenges. 2010 , 2010, 568938	89
1600	Panitumumab: the evidence for its use in the treatment of metastatic colorectal cancer. 2010 , 5, 61-76	10
1599	Molecular predictors of efficacy to anti-EGFR agents in colorectal cancer patients. 2010 , 10, 68-79	21
1598	Targeting Ras for Anticancer Drug Discovery. 2010 , 2837-2857	
1598 1597	Targeting Ras for Anticancer Drug Discovery. 2010 , 2837-2857 Chemotherapy for Colorectal Cancer. 2010 , 53, 582	3
1597		3 57
1597	Chemotherapy for Colorectal Cancer. 2010 , 53, 582	
1597 1596	Chemotherapy for Colorectal Cancer. 2010 , 53, 582 Antibodies to TWEAK receptor inhibit human tumor growth through dual mechanisms. 2010 , 16, 497-508 A review of the most promising biomarkers in colorectal cancer: one step closer to targeted	57
1597 1596 1595	Chemotherapy for Colorectal Cancer. 2010 , 53, 582 Antibodies to TWEAK receptor inhibit human tumor growth through dual mechanisms. 2010 , 16, 497-508 A review of the most promising biomarkers in colorectal cancer: one step closer to targeted therapy. 2010 , 15, 699-731	57 121
1597 1596 1595	Chemotherapy for Colorectal Cancer. 2010, 53, 582 Antibodies to TWEAK receptor inhibit human tumor growth through dual mechanisms. 2010, 16, 497-508 A review of the most promising biomarkers in colorectal cancer: one step closer to targeted therapy. 2010, 15, 699-731 K-ras Mutations in the Plasma of Colorectal Cancer Patients. 2010, 41, 156-158	57 121 1
1597 1596 1595 1594	Chemotherapy for Colorectal Cancer. 2010, 53, 582 Antibodies to TWEAK receptor inhibit human tumor growth through dual mechanisms. 2010, 16, 497-508 A review of the most promising biomarkers in colorectal cancer: one step closer to targeted therapy. 2010, 15, 699-731 K-ras Mutations in the Plasma of Colorectal Cancer Patients. 2010, 41, 156-158 Predictive and prognostic molecular markers for cancer medicine. 2010, 2, 125-48	57 121 1

1589	Lack of correlation between epidermal growth factor receptor status and response to Panitumumab monotherapy in metastatic colorectal cancer. 2010 , 16, 2205-13	89
1588	Cetuximab-based immunotherapy and radioimmunotherapy of head and neck squamous cell carcinoma. 2010 , 16, 2095-105	81
1587	The evolving role of monoclonal antibodies in colorectal cancer: early presumptions and impact on clinical trial development. 2010 , 15, 73-84	38
1586	Activating KRAS mutations and overexpression of epidermal growth factor receptor as independent predictors in metastatic colorectal cancer patients treated with cetuximab. 2010 , 251, 254-60	68
1585	High sensitivity of reverse-hybridization methodology in the detection of KRAS mutations from formalin-fixed paraffin-embedded colorectal cancer samples. 2010 , 19, 201-8	7
1584	Correlating phosphatidylinositol 3-kinase inhibitor efficacy with signaling pathway status: in silico and biological evaluations. <i>Cancer Research</i> , 2010 , 70, 4982-94	98
1583	Reply to D.R. Catchpoole et al. 2010 , 28, e725-e725	1
1582	Dependence on phosphoinositide 3-kinase and RAS-RAF pathways drive the activity of RAF265, a novel RAF/VEGFR2 inhibitor, and RAD001 (Everolimus) in combination. 2010 , 9, 358-68	38
1581	Transcriptional pathway signatures predict MEK addiction and response to selumetinib (AZD6244). Cancer Research, 2010, 70, 2264-73	185
1580	PI3K/PTEN/Akt pathway status affects the sensitivity of high-grade glioma cell cultures to the insulin-like growth factor-1 receptor inhibitor NVP-AEW541. 2010 , 12, 967-75	29
1579	Molecular markers for novel therapies in neuroendocrine (carcinoid) tumors. 2010 , 17, 623-36	54
1578	Emerging drugs to treat squamous cell carcinomas of the head and neck. 2010 , 15, 355-73	88
1577	Synthetic lethal screen of an EGFR-centered network to improve targeted therapies. 2010 , 3, ra67	118
1576	Palliative treatment of unresectable metastatic colorectal cancer. 2010 , 11, 63-77	16
1575	Understanding resistance to EGFR inhibitors-impact on future treatment strategies. 2010 , 7, 493-507	503
1574	Pharmacogenomics and the FDA: The Challenges of Incorporating Research into Practicels the FDA Hindering Progress?. 2010 , 29, 147-163	
1573	Activating K-Ras mutations outwith 'hotspot' codons in sporadic colorectal tumours - implications for personalised cancer medicine. 2010 , 102, 693-703	139
1572	Primary and secondary therapeutic strategies for EGF receptor pathway inhibition in non-small-cell lung cancer. 2010 , 10, 1589-99	5

1571	New and potential clinical applications of KRAS as a cancer biomarker. 2010 , 4, 383-95	5
1570	Cancer drug prices in the era of healthcare reform. 2010 , 6, 647-50	
1569	ACB-PCR quantification of K-RAS codon 12 GAT and GTT mutant fraction in colon tumor and non-tumor tissue. 2010 , 28, 364-75	23
1568	Molecular markers and biological targeted therapies in metastatic colorectal cancer: expert opinion and recommendations derived from the 11th ESMO/World Congress on Gastrointestinal Cancer, Barcelona, 2009. 2010 , 21 Suppl 6, vi1-10	35
1567	Safety and efficacy of erlotinib in first-relapse glioblastoma: a phase II open-label study. 2010 , 12, 1061-70	88
1566	Clinical pharmacogenetics in oncology: the paradigm of molecular targeted therapies. 2010 , 16, 2184-93	9
1565	Anti-epidermal growth factor receptor antibodies in the treatment of metastatic colorectal cancer. 2010 , 5, 142-51	2
1564	Cetuximab, bevacizumab, and irinotecan for patients with primary glioblastoma and progression after radiation therapy and temozolomide: a phase II trial. 2010 , 12, 508-16	107
1563	[Palliative chemotherapy for colorectal cancercurrent state, significance, trends]. 2010, 135, 535-40	1
1562	Predictive genomic biomarkers. 2012 , 355, 173-88	1
1561	KRAS mutation testing of colorectal cancer for anti-EGFR therapy: dogmas versus evidence. 2010 , 10, 813-23	5
1560	Coexpression of biological key modulators in primary colorectal carcinomas and related metastatic sites: implications for treatment with cetuximab. 2010 , 97, E9-E15	4
1559	Application of a pharmacogenetic test adoption model to six oncology biomarkers. 2010 , 7, 441-450	19
1558	Recent advances in cancer therapy: an overview. 2010 , 16, 3-10	232
1557	Molecular bases of liver cancer refractoriness to pharmacological treatment. 2010 , 17, 709-40	50
1556	[Prerequisites to the administration and prevention of adverse effects of chemotherapy in colorectal cancer]. 2010 , 97, 265-80	2
1555	Targeted therapeutic agents for colorectal cancer. 2010 , 39, 601-13	19
1554	Preface: Promises kept: robust discovery in psychiatric genetics. 2010 , 33, xiii-xvi	

1553	Molecular Testing in Colorectal Carcinoma. 2010 , 3, 429-45	1
1552	Realities and expectations of pharmacogenomics and personalized medicine: impact of translating genetic knowledge into clinical practice. 2010 , 11, 1149-67	107
1551	Treatment of Colorectal Cancer. 2010 , 359-388	
1550	Alterations in VHL as potential biomarkers in renal-cell carcinoma. 2010 , 7, 277-88	126
1549	Personalized medicine in oncology: tailoring the right drug to the right patient. 2010 , 4, 523-33	26
1548	Cetuximab and gemcitabine in elderly or adult PS2 patients with advanced non-small-cell lung cancer: The cetuximab in advanced lung cancer (CALC1-E and CALC1-PS2) randomized phase II trials. 2010 , 67, 86-92	19
1547	Metastatic colorectal cancer: from improved survival to potential cure. 2010 , 78, 237-48	183
1546	Prognostic significance of TRAIL death receptors in Middle Eastern colorectal carcinomas and their correlation to oncogenic KRAS alterations. 2010 , 9, 203	22
1545	Molecular mechanisms of acquired resistance to tyrosine kinase targeted therapy. 2010 , 9, 75	167
1544	TAp73 is one of the genes responsible for the lack of response to chemotherapy depending on B-Raf mutational status. 2010 , 8, 15	6
1543	KRAS mutation screening in colorectal cancer: From paper to practice. 2010 , 9, 22-30	16
1542	A phase II trial of FOLFOX6 and cetuximab in the first-line treatment of patients with metastatic colorectal cancer. 2010 , 9, 102-7	17
1541	Vascular endothelial growth factor and epidermal growth factor signaling pathways as therapeutic targets for colorectal cancer. 2010 , 138, 2163-76	74
1540	KRAS genotyping of paraffin-embedded colorectal cancer tissue in routine diagnostics: comparison of methods and impact of histology. 2010 , 12, 35-42	77
1539	Prevalence and heterogeneity of KRAS, BRAF, and PIK3CA mutations in primary colorectal adenocarcinomas and their corresponding metastases. 2010 , 16, 790-9	369
1538	Pharmacogenetics: Making cancer treatment safer and more effective. 2010 ,	1
1537	Molecular mechanisms of resistance to cetuximab and panitumumab in colorectal cancer. 2010 , 28, 1254-61	582
1536	Molecular predictive and prognostic markers in colon cancer. 2010 , 36, 550-6	51

1535	Topics in clinical pharmacology: renal, gastrointestinal, and pain management. 2010 , 56, 187-250	1
1534	Predictive biomarkers for personalised anti-cancer drug use: discovery to clinical implementation. 2010 , 46, 869-79	42
1533	Markers for EGFR pathway activation as predictor of outcome in metastatic colorectal cancer patients treated with or without cetuximab. 2010 , 46, 1997-2009	179
1532	Predictive and prognostic value of KRAS mutations in metastatic colorectal cancer patients treated with cetuximab: a meta-analysis of 22 studies. 2010 , 46, 2781-7	74
1531	The role of anti-epidermal growth factor receptor monoclonal antibody monotherapy in the treatment of metastatic colorectal cancer. 2010 , 36 Suppl 1, S1-10	21
1530	Prognostic vs predictive molecular biomarkers in colorectal cancer: is KRAS and BRAF wild type status required for anti-EGFR therapy?. 2010 , 36 Suppl 3, S56-61	83
1529	REBabilits econdaire des mastases hatiques initialement non rabables chez les patients porteurs dun cancer colorectal : un value enjeu !. 2010 , 147, S40-S54	
1528	Sensitive and specific KRAS somatic mutation analysis on whole-genome amplified DNA from archival tissues. 2010 , 12, 27-34	25
1527	Genomic and biological characterization of exon 4 KRAS mutations in human cancer. <i>Cancer Research</i> , 2010 , 70, 5901-11	218
1526	Cancer Gene Profiling. 2010 ,	1
1526 1525	Cancer Gene Profiling. 2010, What can the molecular pathologist offer for optimal decision making?. 2010, 21 Suppl 7, vii123-9	3
	What can the molecular pathologist offer for optimal decision making?. 2010 , 21 Suppl 7, vii123-9	
1525	What can the molecular pathologist offer for optimal decision making?. 2010 , 21 Suppl 7, vii123-9	3
1525 1524	What can the molecular pathologist offer for optimal decision making?. 2010 , 21 Suppl 7, vii123-9 KRAS signaling pathway alterations in microsatellite unstable gastrointestinal cancers. 2010 , 109, 123-43	3
1525 1524 1523	What can the molecular pathologist offer for optimal decision making?. 2010 , 21 Suppl 7, vii123-9 KRAS signaling pathway alterations in microsatellite unstable gastrointestinal cancers. 2010 , 109, 123-43 Molecular biomarkers: a US FDA effort. 2010 , 4, 215-25 New strategies in head and neck cancer: understanding resistance to epidermal growth factor	3 10 17
1525 1524 1523 1522	What can the molecular pathologist offer for optimal decision making?. 2010, 21 Suppl 7, vii123-9 KRAS signaling pathway alterations in microsatellite unstable gastrointestinal cancers. 2010, 109, 123-43 Molecular biomarkers: a US FDA effort. 2010, 4, 215-25 New strategies in head and neck cancer: understanding resistance to epidermal growth factor receptor inhibitors. 2010, 16, 2489-95 Cetuximab insufficiently inhibits glioma cell growth due to persistent EGFR downstream signaling.	3 10 17 89
1525 1524 1523 1522	What can the molecular pathologist offer for optimal decision making?. 2010, 21 Suppl 7, vii123-9 KRAS signaling pathway alterations in microsatellite unstable gastrointestinal cancers. 2010, 109, 123-43 Molecular biomarkers: a US FDA effort. 2010, 4, 215-25 New strategies in head and neck cancer: understanding resistance to epidermal growth factor receptor inhibitors. 2010, 16, 2489-95 Cetuximab insufficiently inhibits glioma cell growth due to persistent EGFR downstream signaling. 2010, 28, 775-87	3 10 17 89 15

1517	Efficacy according to biomarker status of cetuximab plus FOLFOX-4 as first-line treatment for metastatic colorectal cancer: the OPUS study. 2011 , 22, 1535-1546	572
1516	. 2011,	1
1515	Cytotoxic triplets plus a biologic: state-of-the-art in maximizing the potential of up-front medical treatment of metastatic colorectal cancer. 2011 , 11, 519-31	3
1514	Sensitive quantification of somatic mutations using molecular inversion probes. 2011 , 83, 8215-21	6
1513	Cetuximab plus irinotecan, fluorouracil, and leucovorin as first-line treatment for metastatic colorectal cancer: updated analysis of overall survival according to tumor KRAS and BRAF mutation status. 2011 , 29, 2011-9	1463
1512	KRAS mutation is associated with lung metastasis in patients with curatively resected colorectal cancer. 2011 , 17, 1122-30	161
1511	Detection of KRAS and BRAF mutations in colorectal carcinoma roles for high-sensitivity locked nucleic acid-PCR sequencing and broad-spectrum mass spectrometry genotyping. 2011 , 13, 64-73	120
1510	[In practice for the pathologist: practical and technical limitations]. 2011 , 31, S43-5	
1509	Digestive oncology and the next generation of gastroenterologists. 2011 , 43, 665	1
1508	Comment to "risk factors for serum alanine aminotransferase elevation: a cross-sectional study of healthy adult males in Tokyo, Japan". 2011 , 43, 665-6	1
1507	Individualizing therapy of monoclonal antibodies and fusion proteins: emerging potential in the age of personalized medicine. 2011 , 2, 369-81	2
1506	Exome sequencing reveals comprehensive genomic alterations across eight cancer cell lines. 2011 , 6, e21097	27
1505	Targeted biotherapy in metastatic colorectal carcinoma: Current practice. 2011 , 148, 12-8	12
1504	Practical recommendations for pharmacogenomics-based prescription: 2010 ESF-UB Conference on Pharmacogenetics and Pharmacogenomics. 2011 , 12, 113-24	81
1503	Optimal management of metastatic colorectal cancer: current status. 2011 , 71, 869-84	8
1502	Effect of KRAS mutational status in advanced colorectal cancer on the outcomes of anti-epidermal growth factor receptor monoclonal antibody therapy: a systematic review and meta-analysis. 2011 , 10, 63-9	35
1501	Intramural and mesorectal distal spread detected by whole-mount sections in the determination of optimal distal resection margin in patients undergoing surgery for rectosigmoid or rectal cancer without preoperative therapy. 2011 , 54, 1510-20	39
1500	Implementing prognostic and predictive biomarkers in CRC clinical trials. 2011 , 8, 222-32	104

1499	Cetuximab plus capecitabine and irinotecan compared with cetuximab plus capecitabine and oxaliplatin as first-line treatment for patients with metastatic colorectal cancer: AIO KRK-0104a randomized trial of the German AIO CRC study group. 2011 , 29, 1050-8	92
1498	Principles of Anticancer Drug Development. 2011 ,	
1497	A novel liquidchip platform for simultaneous detection of 70 alleles of DNA somatic mutations on EGFR, KRAS, BRAF and PIK3CA from formalin-fixed and paraffin-embedded slides containing tumor tissue. 2011 , 49, 191-5	14
1496	Detection of low prevalence somatic mutations in solid tumors with ultra-deep targeted sequencing. 2011 , 12, R124	73
1495	Gastrointestinal Oncology. 2011 ,	
1494	Cancer Systems Biology, Bioinformatics and Medicine. 2011 ,	3
1493	A high expression EGFR/cell membrane chromatography and online high performance liquid chromatography/mass spectrometry method for screening EGFR antagonists from Rhizoma Polygoni Cuspidati. 2011 , 1, 115-120	10
1492	Development of molecular biomarkers in individualized treatment of colorectal cancer. 2011 , 10, 279-89	22
1491	All about KRAS for clinical oncology practice: gene profile, clinical implications and laboratory recommendations for somatic mutational testing in colorectal cancer. 2011 , 37, 221-33	39
1490	Constitutively active Harvey Ras confers resistance to epidermal growth factor receptor-targeted therapy with cetuximab and gefitinib. 2011 , 306, 85-91	10
1489	A systematic review and meta-analysis of KRAS status as the determinant of response to anti-EGFR antibodies and the impact of partner chemotherapy in metastatic colorectal cancer. 2011 , 47, 1343-54	53
1488	Dual kinase inhibition of EGFR and HER2 overcomes resistance to cetuximab in a novel in vivo model of acquired cetuximab resistance. 2011 , 17, 5935-44	76
1487	Integrating predictive biomarkers and classifiers into oncology clinical development programmes. 2011 , 10, 735-48	76
1486	ThEapies cibles dans le traitement des cancers colorectaux mEastatiques : place actuelle. 2011 , 148, 12-19	
1485	A model of primary culture of colorectal cancer and liver metastasis to predict chemosensitivity. 2011 , 166, 247-54	8
1484	Pharmacogenomic biomarkers: new tools in current and future drug therapy. 2011 , 32, 72-81	78
1483	KRAS, BRAF, PIK3CA, and PTEN mutations: implications for targeted therapies in metastatic colorectal cancer. 2011 , 12, 594-603	453
1482	Molecular Detection of Circulating Tumor Cells With Multiple mRNA Markers by Genechip for Colorectal Cancer Early Diagnosis and Prognosis Prediction. 2011 , 3, 9-16	O

1481	Preoperative chemoradiation with cetuximab, irinotecan, and capecitabine in patients with locally advanced resectable rectal cancer: a multicenter Phase II study. 2011 , 81, 677-83	50
1480	KRAS and BRAF mutations and PTEN expression do not predict efficacy of cetuximab-based chemoradiotherapy in locally advanced rectal cancer. 2011 , 81, 1032-8	45
1479	Addition of cetuximab to oxaliplatin-based first-line combination chemotherapy for treatment of advanced colorectal cancer: results of the randomised phase 3 MRC COIN trial. 2011 , 377, 2103-14	762
1478	Trastuzumab-Resistance and Breast Cancer. 2011 ,	1
1477	Targeted therapies in cancer - challenges and chances offered by newly developed techniques for protein analysis in clinical tissues. 2010 , 2, 26-35	19
1476	EGFR genomic alterations in cancer: prognostic and predictive values. 2011 , 3, 879-87	23
1475	Preemptive management of dermatologic toxicities associated with epidermal growth factor receptor inhibitors. 2011 , 15, 501-8	11
1474	EGFR Signaling in Colorectal Carcinoma. 2011 , 2011, 932932	81
1473	The Role of Genetics. 2011 , 26, 38-43	
1472	Novel Oncology Drug Development Strategies in the Era of Personalised Medicine. 2011 ,	
1472 1471	Novel Oncology Drug Development Strategies in the Era of Personalised Medicine. 2011, Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 🖸 line cetuximab-based therapy of colorectal cancer patients. 2011, 6, e15980	101
"	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 🛭 line	101
1471	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 🖸 line cetuximab-based therapy of colorectal cancer patients. 2011 , 6, e15980 Differential impact of EGFR-targeted therapies on hypoxia responses: implications for treatment	
1471 1470 1469	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 12 line cetuximab-based therapy of colorectal cancer patients. 2011, 6, e15980 Differential impact of EGFR-targeted therapies on hypoxia responses: implications for treatment sensitivity in triple-negative metastatic breast cancer. 2011, 6, e25080 Personalized medicine and oncology practice guidelines: a case study of contemporary biomarkers	28
1471 1470 1469	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 🖸 line cetuximab-based therapy of colorectal cancer patients. 2011, 6, e15980 Differential impact of EGFR-targeted therapies on hypoxia responses: implications for treatment sensitivity in triple-negative metastatic breast cancer. 2011, 6, e25080 Personalized medicine and oncology practice guidelines: a case study of contemporary biomarkers in colorectal cancer. 2011, 9, 13-25	28
1471 1470 1469 1468	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in 12 line cetuximab-based therapy of colorectal cancer patients. 2011, 6, e15980 Differential impact of EGFR-targeted therapies on hypoxia responses: implications for treatment sensitivity in triple-negative metastatic breast cancer. 2011, 6, e25080 Personalized medicine and oncology practice guidelines: a case study of contemporary biomarkers in colorectal cancer. 2011, 9, 13-25 New directions in neoadjuvant therapy for rectal cancer. 2011, 22, 351-361 Heterogeneity of KRAS status may explain the subset of discordant KRAS status between primary	28
1471 1470 1469 1468 1467	Impact of KRAS, BRAF, PIK3CA mutations, PTEN, AREG, EREG expression and skin rash in I2 line cetuximab-based therapy of colorectal cancer patients. 2011, 6, e15980 Differential impact of EGFR-targeted therapies on hypoxia responses: implications for treatment sensitivity in triple-negative metastatic breast cancer. 2011, 6, e25080 Personalized medicine and oncology practice guidelines: a case study of contemporary biomarkers in colorectal cancer. 2011, 9, 13-25 New directions in neoadjuvant therapy for rectal cancer. 2011, 22, 351-361 Heterogeneity of KRAS status may explain the subset of discordant KRAS status between primary and metastatic colorectal cancer. 2011, 54, 1170-8	28 28

1463	Predicting tumour response to anti-HER1 therapy using medical imaging: a literature review and in vitro study of [18F]-FDG incorporation by breast cancer cells responding to cetuximab. 2011 , 68, 158-66	5
1462	The effect of a dimeric Affibody molecule (ZEGFR:1907)2 targeting EGFR in combination with radiation in colon cancer cell lines. 2012 , 40, 176-84	6
1461	Systematic review: Anti-epidermal growth factor receptor treatment effect modification by KRAS mutations in advanced colorectal cancer. 2011 , 154, 37-49	131
1460	Effect of classification based on combination of mutation and methylation in colorectal cancer prognosis. 2011 , 25, 789-94	42
1459	Mechanism of EGER-related cancer drug resistance. 2011 , 22, 963-70	7
1458	Molecular detection of epidermal growth factor receptor in colorectal cancer: does it still make sense?. 2011 , 13, 542-8	3
1457	KRAS and BRAF mutation analysis can be reliably performed on aspirated cytological specimens of metastatic colorectal carcinoma. 2011 , 22, 358-64	24
1456	Detection of KRAS mutations in tumor cells using biochips. 2011 , 45, 797-803	3
1455	Dasatinib sensitizes KRAS mutant colorectal tumors to cetuximab. 2011 , 30, 561-74	105
1454	Towards novel paradigms for cancer therapy. 2011 , 30, 1-20	93
1453	Mutational analysis of PTEN/PIK3CA/AKT pathway in oral squamous cell carcinoma. 2011 , 47, 946-50	47
1452	Predictive molecular classifiers in colorectal cancer. 2011 , 38, 576-87	22
1451	Regulation of homeostasis and oncogenesis in the intestinal epithelium by Ras. 2011 , 317, 2732-9	12
1450	Molecular diagnosis of response to neoadjuvant chemoradiation therapy in patients with locally advanced rectal cancer. 2011 , 212, 1008-1017.e1	30
1449	Colon Cancer. 2011 , 325-377	
1448	Phase I pharmacokinetic and pharmacodynamic dose-escalation study of RG7160 (GA201), the first glycoengineered monoclonal antibody against the epidermal growth factor receptor, in patients with advanced solid tumors. 2011 , 29, 3783-90	70
1447	Quantitative and sensitive detection of rare mutations using droplet-based microfluidics. 2011, 11, 2156-66	389
1446	Pharmacogenetics and individualized therapy in children: immunosuppressants, antidepressants, anticancer and anti-inflammatory drugs. 2011 , 12, 827-43	13

1445	Dynamics of cancer cell subpopulations in primary and metastatic colorectal tumors. 2011 , 28, 427-35	40
1444	KRAS, BRAF, EGFR and HER2 gene status in a Spanish population of colorectal cancer. 2011 , 38, 1315-20	27
1443	PIK3CA mutations in KRAS and BRAF wild type colorectal cancer patients. A study of Spanish population. 2011 , 38, 1347-51	12
1442	BRAF V600E mutation and resistance to anti-EGFR monoclonal antibodies in patients with metastatic colorectal cancer: a meta-analysis. 2011 , 38, 2219-23	63
1441	Cetuximab and panitumumab in KRAS wild-type colorectal cancer: a meta-analysis. 2011, 26, 823-33	49
1440	Pathophysiologie und Molekulardiagnostik beim nichtkleinzelligen Lungenkarzinom. 2011 , 17, 670-678	
1439	[Molecular diagnostics of lung cancer for treatment stratification]. 2011 , 52, 146, 148-50, 152-4	3
1438	Overview of the development of personalized genomic medicine and surgery. 2011 , 35, 1693-9	13
1437	Analysis of KRAS, BRAF, PTEN, IGF1R, EGFR intron 1 CA status in both primary tumors and paired metastases in determining benefit from cetuximab therapy in colon cancer. 2011 , 68, 1045-55	59
1436	Bevacizumab-related arterial hypertension as a predictive marker in metastatic colorectal cancer patients. 2011 , 68, 1207-13	58
1435	[WHO classification 2010 for the lower gastrointestinal tract: what is new?]. 2011 , 32 Suppl 2, 326-31	10
1434	Microsatellite instability in colorectal cancer: from molecular oncogenic mechanisms to clinical implications. 2011 , 34, 155-76	42
1433	Treatment recommendations for metastatic colorectal cancer. 2011 , 13, 162-78	21
1432	Multidisciplinary approach of colorectal liver metastases. 2011 , 13, 721-7	14
1431	Phospho-STAT5 expression is associated with poor prognosis of human colonic adenocarcinoma. 2011 , 17, 333-9	10
1430	Serum matrilysin correlates with poor survival independently of KRAS and BRAF status in refractory advanced colorectal cancer patients treated with irinotecan plus cetuximab. 2011 , 32, 417-24	12
1429	Uptake of KRAS mutation testing in patients with metastatic colorectal cancer in Europe, Latin America and Asia. 2011 , 6, 133-45	40
1428	Future Solutions for Patients with Metastatic Colorectal Cancer Positive for K-RAS Mutations. 2011 , 7, 275-280	

1427	Predictive and prognostic markers in colorectal cancer. 2011 , 13, 206-15	39
1426	EGFR related mutational status and association to clinical outcome of third-line cetuximab-irinotecan in metastatic colorectal cancer. 2011 , 11, 107	15
1425	A prospective phase II trial exploring the association between tumor microenvironment biomarkers and clinical activity of ipilimumab in advanced melanoma. 2011 , 9, 204	412
1424	Pharmacogenetic tests in cancer chemotherapy: what physicians should know for clinical application. 2011 , 223, 15-27	37
1423	The complexity of pancreatic ductal cancers and multidimensional strategies for therapeutic targeting. 2011 , 223, 295-306	38
1422	The status of EGFR-associated genes could predict the outcome and tumor response of chemo-refractory metastatic colorectal patients using cetuximab and chemotherapy. 2011 , 104, 661-6	12
1421	Cancer chemoprevention with green tea catechins by targeting receptor tyrosine kinases. 2011 , 55, 832-43	91
1420	The inhibitory effects of 5-hydroxy-3,6,7,8,3',4'-hexamethoxyflavone on human colon cancer cells. 2011 , 55, 1523-32	28
1419	Therapeutic resistance resulting from mutations in Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR signaling pathways. 2011 , 226, 2762-81	124
1418	Frequency of KRAS, BRAF, and NRAS mutations in colorectal cancer. 2011 , 50, 307-12	274
1418	Frequency of KRAS, BRAF, and NRAS mutations in colorectal cancer. 2011 , 50, 307-12 Targeted anti-cancer therapy in the elderly. 2011 , 78, 227-42	274 27
· ·		
1417	Targeted anti-cancer therapy in the elderly. 2011 , 78, 227-42 Cetuximab plus irinotecan after irinotecan failure in elderly metastatic colorectal cancer patients:	27
1417 1416	Targeted anti-cancer therapy in the elderly. 2011 , 78, 227-42 Cetuximab plus irinotecan after irinotecan failure in elderly metastatic colorectal cancer patients: clinical outcome according to KRAS and BRAF mutational status. 2011 , 78, 243-51 Clinical, laboratory and molecular factors predicting chemotherapy efficacy and toxicity in	27
1417 1416 1415	Targeted anti-cancer therapy in the elderly. 2011 , 78, 227-42 Cetuximab plus irinotecan after irinotecan failure in elderly metastatic colorectal cancer patients: clinical outcome according to KRAS and BRAF mutational status. 2011 , 78, 243-51 Clinical, laboratory and molecular factors predicting chemotherapy efficacy and toxicity in colorectal cancer. 2011 , 79, 224-50 Morphological and molecular heterogeneity in colorectal neoplasms with K-RAS mutation. A report	27 26 30
1417 1416 1415	Targeted anti-cancer therapy in the elderly. 2011, 78, 227-42 Cetuximab plus irinotecan after irinotecan failure in elderly metastatic colorectal cancer patients: clinical outcome according to KRAS and BRAF mutational status. 2011, 78, 243-51 Clinical, laboratory and molecular factors predicting chemotherapy efficacy and toxicity in colorectal cancer. 2011, 79, 224-50 Morphological and molecular heterogeneity in colorectal neoplasms with K-RAS mutation. A report of two cases. 2011, 207, 399-402	27 26 30 5
1417 1416 1415 1414 1413	Targeted anti-cancer therapy in the elderly. 2011, 78, 227-42 Cetuximab plus irinotecan after irinotecan failure in elderly metastatic colorectal cancer patients: clinical outcome according to KRAS and BRAF mutational status. 2011, 78, 243-51 Clinical, laboratory and molecular factors predicting chemotherapy efficacy and toxicity in colorectal cancer. 2011, 79, 224-50 Morphological and molecular heterogeneity in colorectal neoplasms with K-RAS mutation. A report of two cases. 2011, 207, 399-402 XELOX in colorectal cancer: a convenient option for the future?. 2011, 5, 9-19	27 26 30 5

1409	Molecular genetics external quality assessment pilot scheme for KRAS analysis in metastatic colorectal cancer. 2011 , 15, 777-83	16
1408	Targeting the p38 MAPK pathway inhibits irinotecan resistance in colon adenocarcinoma. <i>Cancer Research</i> , 2011 , 71, 1041-9	62
1407	Colorectal cancer molecular biology moves into clinical practice. 2011 , 60, 116-29	235
1406	Rapid and sensitive detection of KRAS mutation after fast-COLD-PCR enrichment and high-resolution melting analysis. 2011 , 20, 81-9	17
1405	EGFR fluorescence in situ hybridization pattern of chromosome 7 disomy predicts resistance to cetuximab in KRAS wild-type metastatic colorectal cancer patients. 2011 , 17, 382-90	25
1404	Biomarkers for cetuximab-based neoadjuvant radiochemotherapy in locally advanced rectal cancer. 2011 , 17, 3469-77	48
1403	Biology-driven phase II trials: what is the optimal model for molecular selection?. 2011 , 29, 1236-8	56
1402	Different types of K-Ras mutations could affect drug sensitivity and tumour behaviour in non-small-cell lung cancer. 2011 , 22, 235-237	137
1401	Predictors of lithium response in bipolar disorder. 2011 , 2, 209-26	42
1400	Phase II study of cetuximab as first-line single-drug therapy in patients with unresectable squamous cell carcinoma of the skin. 2011 , 29, 3419-26	299
1400 1399		299 12
	cell carcinoma of the skin. 2011 , 29, 3419-26 A new frontier in personalized cancer therapy: mapping molecular changes. 2011 , 7, 873-94	
1399	cell carcinoma of the skin. 2011 , 29, 3419-26 A new frontier in personalized cancer therapy: mapping molecular changes. 2011 , 7, 873-94	12
1399	cell carcinoma of the skin. 2011, 29, 3419-26 A new frontier in personalized cancer therapy: mapping molecular changes. 2011, 7, 873-94 [Targeting the RAS signalling pathway in cancer]. 2011, 98, 1019-28	12
1399 1398 1397	A new frontier in personalized cancer therapy: mapping molecular changes. 2011, 7, 873-94 [Targeting the RAS signalling pathway in cancer]. 2011, 98, 1019-28 The Effects of Storage Time of Colorectal Cancer Tissue on the Detection of K-rasGene. 2011, 42, 478-481 Emerging concepts in the pathology and molecular biology of advanced non-small cell lung cancer.	12 8 2
1399 1398 1397 1396	Cell carcinoma of the skin. 2011, 29, 3419-26 A new frontier in personalized cancer therapy: mapping molecular changes. 2011, 7, 873-94 [Targeting the RAS signalling pathway in cancer]. 2011, 98, 1019-28 The Effects of Storage Time of Colorectal Cancer Tissue on the Detection of K-rasGene. 2011, 42, 478-481 Emerging concepts in the pathology and molecular biology of advanced non-small cell lung cancer. 2011, 136, 228-38	12 8 2 33
1399 1398 1397 1396	A new frontier in personalized cancer therapy: mapping molecular changes. 2011, 7, 873-94 [Targeting the RAS signalling pathway in cancer]. 2011, 98, 1019-28 The Effects of Storage Time of Colorectal Cancer Tissue on the Detection of K-rasGene. 2011, 42, 478-481 Emerging concepts in the pathology and molecular biology of advanced non-small cell lung cancer. 2011, 136, 228-38 Quinacrine synergizes with 5-fluorouracil and other therapies in colorectal cancer. 2011, 12, 239-51 Evaluation of EGFR gene copy number as a predictive biomarker for the efficacy of cetuximab in combination with chemotherapy in the first-line treatment of recurrent and/or metastatic	12 8 2 33 36

1391	External quality assessment for KRAS testing is needed: setup of a European program and report of the first joined regional quality assessment rounds. 2011 , 16, 467-78	75
1390	KRAS and colorectal cancer: ethical and pragmatic issues in effecting real-time change in oncology clinical trials and practice. 2011 , 16, 1061-8	14
1389	Relationship between statin use and colon cancer recurrence and survival: results from CALGB 89803. 2011 , 103, 1540-51	58
1388	Tumor KRAS status predicts responsiveness to panitumumab in Japanese patients with metastatic colorectal cancer. 2011 , 41, 210-6	7
1387	Where now for anti-EGF receptor therapies in colorectal cancer?. 2011 , 11, 1543-53	2
1386	Adaptive elastic-net sparse principal component analysis for pathway association testing. 2011 , 10,	6
1385	Early magnesium modifications as a surrogate marker of efficacy of cetuximab-based anticancer treatment in KRAS wild-type advanced colorectal cancer patients. 2011 , 22, 1141-1146	46
1384	Clinical and economic aspects of KRAS mutational status as predictor for epidermal growth factor receptor inhibitor therapy in metastatic colorectal cancer patients. 2011 , 81, 359-64	10
1383	Growth response of human colorectal tumour cell lines to treatment with afatinib (BIBW2992), an irreversible erbB family blocker, and its association with expression of HER family members. 2011 , 39, 483-91	20
1382	KRAS, BRAF and PIK3CA mutations in human colorectal cancer: relationship with metastatic colorectal cancer. 2011 , 25, 1691-7	56
1381	Treating PIK3CA and EGFR overexpressing breast cancers with lithium citrate. 2011 , 11, 368-70	1
1380	[Carcinoma of the anal canal: state of art, issues in geriatric oncology and molecular targeted therapies]. 2011 , 98, 146-53	
1379	Curing patients with liver metastases from colorectal cancer. 2011 , 49, 42-5; quiz i-ii	1
1378	Identification of a potent epigenetic biomarker for resistance to camptothecin and poor outcome to irinotecan-based chemotherapy in colon cancer. 2012 , 40, 217-26	9
1377	Sensitive multiplex detection of KRAS codons 12 and 13 mutations in paraffin-embedded tissue specimens. 2011 , 64, 30-6	19
1376	Should oncologists be aware in their clinical practice of KRAS molecular analysis?. 2011 , 29, e206-7; author reply e208-9	15
1375	Pyrosequencing-based methods reveal marked inter-individual differences in oncogene mutation burden in human colorectal tumours. 2011 , 105, 246-54	23
1374	EGFR gene copy number assessment from areas with highest EGFR expression predicts response to anti-EGFR therapy in colorectal cancer. 2011 , 105, 255-62	39

1373	One target, different effects: a comparison of distinct therapeutic antibodies against the same targets. 2011 , 43, 539-49	41
1372	Detection of KRAS and BRAF mutations in advanced colorectal cancer by allele-specific single-base primer extension. 2011 , 11, 799-802	5
1371	Prognostic value of colorectal cancer biomarkers. 2011 , 3, 2080-105	3
1370	MEK1/2 inhibitors AS703026 and AZD6244 may be potential therapies for KRAS mutated colorectal cancer that is resistant to EGFR monoclonal antibody therapy. <i>Cancer Research</i> , 2011 , 71, 445-53	73
1369	KRAS and BRAF mutation analysis in metastatic colorectal cancer: a cost-effectiveness analysis from a Swiss perspective. 2011 , 17, 6338-46	54
1368	Role of cetuximab and sorafenib in treatment of metastatic colorectal cancer. 2011 , 48, 47-54	22
1367	Biomarkers in advanced colorectal cancer: challenges in translating clinical research into practice. 2011 , 3, 1844-60	1
1366	EGFR-Targeting as a Biological Therapy: Understanding Nimotuzumab's Clinical Effects. 2011 , 3, 2014-31	23
1365	KRAS mutation detection in paired frozen and Formalin-Fixed Paraffin-Embedded (FFPE) colorectal cancer tissues. 2011 , 12, 3191-204	48
1364	Perspectives on the History and Evolution of Tumor Models. 2011 , 3-20	4
1363	Cetuximab pharmacokinetics influences progression-free survival of metastatic colorectal cancer patients. 2011 , 17, 6329-37	77
1362	Resistancethe true face of biological defiance. 2012 , 51, 413-22	3
1361	Antiepidermal growth factor receptor monoclonal antibodies: applications in colorectal cancer. 2012 , 2012, 198197	3
1360	The role of molecular pathology in non-small-cell lung carcinoma-now and in the future. 2012 , 19, S24-32	25
1359	High-resolution melting analysis as a sensitive prescreening diagnostic tool to detect KRAS, BRAF, PIK3CA, and AKT1 mutations in formalin-fixed, paraffin-embedded tissues. 2012 , 136, 983-92	35
1358	MAPK14/p38∃ confers irinotecan resistance to TP53-defective cells by inducing survival autophagy. 2012 , 8, 1098-112	66
1357	KRAS genotyping in rectal adenocarcinoma specimens with low tumor cellularity after neoadjuvant treatment. 2012 , 25, 731-9	27
1356	The proteasomal subunit Rpn6 is a molecular clamp holding the core and regulatory subcomplexes together. 2012 , 109, 149-54	118

1355	Hurdles in anticancer drug development from a regulatory perspective. 2012 , 9, 236-43	26
1354	Hurdles and complexities of codon 13 KRAS mutations. 2012 , 30, 3565-7	21
1353	The flow-metabolic phenotype of primary colorectal cancer: assessment by integrated 18F-FDG PET/perfusion CT with histopathologic correlation. 2012 , 53, 687-92	22
1352	Genetic polymorphisms of FcRIIa and FcRIIIa are not predictive of clinical outcomes after cetuximab plus irinotecan chemotherapy in patients with metastatic colorectal cancer. 2012 , 82, 83-9	18
1351	KRAS mutation testing in colorectal cancer as an example of the pathologist's role in personalized targeted therapy: a practical approach. 2012 , 63, 145-64	27
1350	EGFR gene copy number increase in vulvar carcinomas is linked with poor clinical outcome. 2012 , 65, 133-9	24
1349	Therapeutic Kinase Inhibitors. 2012,	1
1348	KRAS mutational status of endoscopic biopsies matches resection specimens. 2012 , 65, 604-7	7
1347	Protein expression and gene copy number changes of receptor tyrosine kinase in thymomas and thymic carcinomas. 2012 , 23, 3129-3137	13
1346	Methylation of death-associated protein kinase is associated with cetuximab and erlotinib resistance. 2012 , 11, 1656-63	47
1345	Analysis of the concordance in the EGFR pathway status between primary tumors and related metastases of colorectal cancer patients:implications for cancer therapy. 2012 , 12, 124-31	34
1344	What can molecular pathology offer for optimal decision making?. 2012 , 23 Suppl 10, x63-70	2
1343	KRAS mutations in primary tumours and post-FOLFOX metastatic lesions in cases of colorectal cancer. 2012 , 107, 340-4	24
1342	Delineation of the infrequent mosaicism of KRAS mutational status in metastatic colorectal adenocarcinomas. 2012 , 65, 466-9	12
1341	Targeting oncogenic serine/threonine-protein kinase BRAF in cancer cells inhibits angiogenesis and abrogates hypoxia. 2012 , 109, E353-9	42
1340	Primary colorectal cancers and their subsequent hepatic metastases are genetically different: implications for selection of patients for targeted treatment. 2012 , 18, 688-99	113
1339	Detection of KRAS mutations and their associations with clinicopathological features and survival in Chinese colorectal cancer patients. 2012 , 40, 1589-98	20
1338	Unlabeled-probe high-resolution melting to detect KRAS codon 12 and 13 mutations in pancreatic adenocarcinoma tissues. 2012 , 50, 1035-40	2

1337	Novel drugs targeting the epidermal growth factor receptor and its downstream pathways in the treatment of colorectal cancer: a systematic review. 2012 , 2012, 387172	11
1336	A Japanese post-marketing surveillance of cetuximab (Erbitux[]) in patients with metastatic colorectal cancer. 2012 , 42, 287-94	36
1335	Gene expression-based diagnostics for molecular cancer classification of difficult to diagnose tumors. 2012 , 6, 407-19	4
1334	Patient-tailored treatments with anti-EGFR monoclonal antibodies in advanced colorectal cancer: KRAS and beyond. 2012 , 12, 316-28	23
1333	Tissue-based approaches to study pharmacodynamic endpoints in early phase oncology clinical trials. 2012 , 13, 1525-34	27
1332	Somatic mutation analysis of EGFR, KRAS, BRAF and PIK3CA in 861 patients with non-small cell lung cancer. 2011 , 10, 63-9	32
1331	Resistance to EGF receptor-targeted monoclonal antibodies in the management of advanced colorectal cancer. 2012 , 1, 137-148	1
1330	Adjuvant chemotherapy with FOLFOX for primary colorectal cancer is associated with increased somatic gene mutations and inferior survival in patients undergoing hepatectomy for metachronous liver metastases. 2012 , 256, 642-50	51
1329	Cetuximab-based or bevacizumab-based first-line treatment in patients with KRAS p.G13D-mutated metastatic colorectal cancer: a pooled analysis. 2012 , 23, 666-73	12
1328	Pharmacogenetic screening for drug therapy: from single gene markers to decision making in the next generation sequencing era. 2012 , 44, 166-80	17
1327	The prognostic value of KRAS mutations in patients with colorectal cancer. 2012 , 28, 1579-84	20
1326	KRAS mutations and subtyping in colorectal cancer in Jordanian patients. 2012 , 4, 705-710	13
1325	[EGFR/HER1: a target life]. 2012 , 99, 181-9	2
1324	Fluid biopsy for solid tumors: a patient's companion for lifelong characterization of their disease. 2012 , 8, 989-98	15
1323	Association of amphiregulin with the cetuximab sensitivity of gastric cancer cell lines. 2012, 41, 733-44	25
1322	Recent advances in treatment of metastatic colorectal cancer. 2012 , 2, 1109-1122	
1321	Development of an immunohistochemical protein quantification system in conjunction with tissue microarray technology for identifying predictive biomarkers for phosphatidylinositol 3-kinase inhibitors. 2012 , 35, 1607-13	4
1320	Intrinsic resistance to selumetinib, a selective inhibitor of MEK1/2, by cAMP-dependent protein kinase A activation in human lung and colorectal cancer cells. 2012 , 106, 1648-59	34

1319	Promoter CpG island methylation markers in colorectal cancer: the road ahead. 2012 , 4, 179-94	32
1318	Tankyrase-targeted therapeutics: expanding opportunities in the PARP family. 2012 , 11, 923-36	196
1317	Functional dissection of the epidermal growth factor receptor epitopes targeted by panitumumab and cetuximab. 2012 , 14, 1023-31	78
1316	Influence of KRAS p.G13D mutation in patients with metastatic colorectal cancer treated with cetuximab. 2012 , 11, 291-6	29
1315	A virtual pyrogram generator to resolve complex pyrosequencing results. 2012 , 14, 149-59	19
1314	Genetic and epigenetic biomarkers of colorectal cancer. 2012 , 10, 9-15	31
1313	Molecular Pathology of Gastrointestinal Cancer. 2012 , 5, 821-42	
1312	A genome-wide RNAi screen identifies novel targets of neratinib resistance leading to identification of potential drug resistant genetic markers. 2012 , 8, 1553-70	28
1311	PIK3CA exon 20 mutations as a potential biomarker for resistance to anti-EGFR monoclonal antibodies in KRAS wild-type metastatic colorectal cancer: a systematic review and meta-analysis. 2012 , 23, 1518-25	135
1310	K-ras mutation is strongly associated with perineural invasion and represents an independent prognostic factor of intrahepatic cholangiocarcinoma after hepatectomy. 2012 , 19 Suppl 3, S675-81	38
1309	A comprehensive survey of genomic alterations in gastric cancer reveals systematic patterns of molecular exclusivity and co-occurrence among distinct therapeutic targets. 2012 , 61, 673-84	476
1308	What are we learning from the cancer genome?. 2012 , 9, 621-30	43
1307	Personalized medicine and pharmacogenetic biomarkers: progress in molecular oncology testing. 2012 , 12, 593-602	70
1306	Triepitopic antibody fusions inhibit cetuximab-resistant BRAF and KRAS mutant tumors via EGFR signal repression. 2012 , 422, 532-44	27
1305	Application of molecular techniques in the diagnosis, prognosis and management of patients with colorectal cancer: a practical approach. 2012 , 43, 1157-68	21
1304	PTEN gene expression and mutations in the PIK3CA gene as predictors of clinical benefit to anti-epidermal growth factor receptor antibody therapy in patients with KRAS wild-type metastatic colorectal cancer. 2012 , 11, 143-50	80
1303	Addition of cetuximab to chemotherapy as first-line treatment for KRAS wild-type metastatic colorectal cancer: pooled analysis of the CRYSTAL and OPUS randomised clinical trials. 2012 , 48, 1466-75	432
1302	From drug discovery to biomarker-driven clinical trials in lymphoma. 2012 , 9, 643-53	23

1301	Competitive amplification of differentially melting amplicons (CADMA) improves KRAS hotspot mutation testing in colorectal cancer. 2012 , 12, 548	11
1300	Possibility of sandwiched liver surgery with molecular targeting drugs, cetuximab and bevacizumab on colon cancer liver metastases: a case report. 2012 , 10, 129	
1299	Predictive role of multiple gene alterations in response to cetuximab in metastatic colorectal cancer: a single center study. 2012 , 10, 87	31
1298	Pyrosequencing data analysis software: a useful tool for EGFR, KRAS, and BRAF mutation analysis. 2012 , 7, 56	19
1297	EGFR gene copy number as a predictive biomarker for the treatment of metastatic colorectal cancer with anti-EGFR monoclonal antibodies: a meta-analysis. 2012 , 5, 52	32
1296	Impact of the specific mutation in KRAS codon 12 mutated tumors on treatment efficacy in patients with metastatic colorectal cancer receiving cetuximab-based first-line therapy: a pooled analysis of three trials. 2012 , 83, 241-7	20
1295	KRAS gene amplification and overexpression but not mutation associates with aggressive and metastatic endometrial cancer. 2012 , 107, 1997-2004	52
1294	Molecular biomarkers of colorectal cancer: prognostic and predictive tools for clinical practice. 2012 , 13, 663-75	17
1293	Predictors of EGF receptor monoclonal antibody activity in metastatic colorectal cancer: current status. 2012 , 1, 423-432	
1292	Functional drug-gene interactions in lung cancer. 2012 , 12, 291-302	5
1291	Molecular testing in colorectal cancer: diagnosis of Lynch syndrome and personalized cancer medicine. 2012 , 137, 847-59	36
1290	A framework for understanding cancer comparative effectiveness research data needs. 2012 , 65, 1150-8	21
1289	Absence of evidence for epidermal growth factor receptor and human homolog of the Kirsten rat sarcoma-2 virus oncogene mutations in breast cancer. 2012 , 36, 341-6	8
1288	The epidermal growth factor receptor as a therapeutic target in epithelial ovarian cancer. 2012 , 36, 490-6	61
1287	Discrepancies between primary tumor and metastasis: a literature review on clinically established biomarkers. 2012 , 84, 301-13	60
1286	MicroRNA and colorectal cancer. 2012 , 44, 195-200	59
1285	Chemoprevention in colorectal cancerwhere we stand and what we have learned from twenty year's experience. 2012 , 10, 43-52	17
1284	KRAS and BRAF mutations in sinonasal cancer. 2012 , 48, 692-7	47

1283	Drug development to overcome resistance to EGFR inhibitors in lung and colorectal cancer. 2012 , 6, 15-26	62
1282	Co-development of a companion diagnostic for targeted cancer therapy. 2012 , 29, 682-8	34
1281	Clinical update: colon, rectal, and anal cancers. 2012 , 28, e1-22	11
1280	Targeted therapies: how personal should we go?. 2011 , 9, 87-97	87
1279	Le statut mutationnel de KRAS est pr@ictif de la rponse au cetuximab dans le cancer colorectal. 2012 , 6, 256-258	
1278	Study of KRAS new predictive marker in a clinical laboratory. 2012 , 14, 937-42	3
1277	Prognostic and predictive roles of KRAS mutation in colorectal cancer. 2012 , 13, 12153-68	135
1276	Identification of new ALK and RET gene fusions from colorectal and lung cancer biopsies. 2012 , 18, 382-4	664
1275	Molecular Characterization of Head and Neck Cancer. 2012 , 16, 209-222	20
1274	KRAS mutation is a predictor of oxaliplatin sensitivity in colon cancer cells. 2012 , 7, e50701	30
1273	Epidermal growth factor receptor (EGFR) expression and mutations in the EGFR signaling pathway in correlation with anti-EGFR therapy in head and neck squamous cell carcinomas. 2012 , 59, 508-15	30
1272	Histopathological growth pattern, proteolysis and angiogenesis in chemonaive patients resected for multiple colorectal liver metastases. 2012 , 2012, 907971	36
1271	[Genomics and clinical research for breast cancer]. 2012 , 28 Spec No 1, 14-8	2
1270	Improving the limit of detection for Sanger sequencing: a comparison of methodologies for KRAS variant detection. 2012 , 53, 182-8	34
1269	Therapeutic targeting of the epidermal growth factor receptor in human cancer. 2012 , 17, 31-50	51
1268	Are KRAS/BRAF mutations potent prognostic and/or predictive biomarkers in colorectal cancers?. 2012 , 12, 163-71	93
1267	Serum concentrations of human chorionic gonadotropin beta and its association with survival in patients with colorectal cancer. 2012 , 11, 173-81	6
1266	Survey of KRAS, BRAF and PIK3CA mutational status in 209 consecutive Italian colorectal cancer patients. 2012 , 27, e366-74	16

1265	Bevacizumab in combination with chemotherapy in the first-line treatment of metastatic colorectal carcinoma. 2013 , 60, 83-91	3
1264	Towards clinical applications of selected reaction monitoring for plasma protein biomarker studies. 2012 , 6, 42-59	13
1263	High-expression EGFR/cell membrane chromatography-online-high-performance liquid chromatography/mass spectrometry: rapid screening of EGFR antagonists from Semen Strychni. 2012 , 26, 2027-32	22
1262	Quantitative cell-free DNA, KRAS, and BRAF mutations in plasma from patients with metastatic colorectal cancer during treatment with cetuximab and irinotecan. 2012 , 18, 1177-85	214
1261	Chapter 11:Combination Agents Versus Multi-Targeted Agents IPros and Cons. 2012 , 155-180	4
1260	Phase I, dose-escalation study of BKM120, an oral pan-Class I PI3K inhibitor, in patients with advanced solid tumors. 2012 , 30, 282-90	571
1259	The ERBB network: at last, cancer therapy meets systems biology. 2012 , 12, 553-63	600
1258	Cancer Biomarkers for Diagnosis, Prognosis and Therapy. 2012 , 18-68	1
1257	Effects of KRAS mutation and polymorphism on the risk and prognosis of oral squamous cell carcinoma. 2012 , 34, 663-6	21
1256	Data for cancer comparative effectiveness research: past, present, and future potential. 2012 , 118, 5186-97	22
1255	The complex intratumoral heterogeneity of colon cancer highlighted by laser microdissection. 2012 , 57, 1271-80	12
1254	KRAS und weitere Signalmolekle fildie Therapieentscheidung beim metastasierten Kolonkarzinom. 2012 , 7, 24-29	1
1253	Loss of PTEN expression as a predictor of resistance to anti-EGFR monoclonal therapy in metastatic colorectal cancer: evidence from retrospective studies. 2012 , 69, 1647-55	27
1252	Preclinical study of the DNA repair inhibitor Dbait in combination with chemotherapy in colorectal cancer. 2012 , 47, 266-75	18
1251	Prognostic significance of glucose transporter-1 (GLUT1) gene expression in rectal cancer after preoperative chemoradiotherapy. 2012 , 42, 460-9	28
1250	Involvement of store-operated calcium signaling in EGF-mediated COX-2 gene activation in cancer cells. 2012 , 24, 162-9	58
1249	KRAS mutation is present in a small subset of primary urinary bladder adenocarcinomas. 2012 , 61, 1036-42	17
1248	Phosphorylation of epidermal growth factor receptor and chromosome 7 polysomy in gastric adenocarcinoma. 2012 , 13, 350-9	3

1247	Immunotherapy for treating metastatic colorectal cancer. 2012 , 21, 67-77	9
1246	CIP2A-mediated Akt activation plays a role in bortezomib-induced apoptosis in head and neck squamous cell carcinoma cells. 2012 , 48, 585-93	49
1245	Epidermal growth factor receptor R521K polymorphism shows favorable outcomes in KRAS wild-type colorectal cancer patients treated with cetuximab-based chemotherapy. 2012 , 103, 791-6	25
1244	MicroRNA profiling differentiates colorectal cancer according to KRAS status. 2012 , 51, 1-9	89
1243	Competitive amplification of differentially melting amplicons (CADMA) enables sensitive and direct detection of all mutation types by high-resolution melting analysis. 2012 , 33, 264-71	17
1242	PML as a potential predictive factor of oxaliplatin/fluoropyrimidine-based first line chemotherapy efficacy in colorectal cancer patients. 2012 , 227, 927-33	5
1241	Clinical Implications and Quality Assurance of Molecular Testing for EGFR-Targeting Agents in Colorectal Cancer. 2012 , 8, 42-50	4
1240	First-line panitumumab plus irinotecan/5-fluorouracil/leucovorin treatment in patients with metastatic colorectal cancer. 2012 , 138, 65-72	68
1239	Japanese Society for Cancer of the Colon and Rectum (JSCCR) guidelines 2010 for the treatment of colorectal cancer. 2012 , 17, 1-29	578
1238	Biologie molūulaire et prise en charge des cancers colorectaux. 2012 , 14, 45-51	
1237	Increased radioresistance via G12S K-Ras by compensatory upregulation of MAPK and PI3K pathways in epithelial cancer. 2013 , 35, 220-8	23
1236	Genetic and epigenetic alterations in primary colorectal cancers and related lymph node and liver metastases. 2013 , 119, 266-76	28
1235	EGFR status and EGFR ligand expression influence the treatment response of head and neck cancer cell lines. 2013 , 42, 26-36	44
1234	Targeted therapies in colorectal cancer-an integrative view by PPPM. 2013 , 4, 3	57
1233	Epidermal growth factor receptor targeting in cancer: a review of trends and strategies. 2013 , 34, 8690-707	323
1232	KRAS and BRAF mutation status in circulating colorectal tumor cells and their correlation with primary and metastatic tumor tissue. 2013 , 133, 130-41	111
1231	Resistance to Immunotherapeutic Antibodies in Cancer. 2013 ,	1
1230	Impact of KRAS, BRAF and PI3KCA mutations in rectal carcinomas treated with neoadjuvant radiochemotherapy and surgery. 2013 , 13, 200	20

1229	Fool's gold, lost treasures, and the randomized clinical trial. 2013 , 13, 193	36
1228	Pharmacogenetics and Pharmacogenomics. 2013 , 1-27	
1227	Integrin ⊕1 subunit is up-regulated in colorectal cancer. 2013 , 1, 16	21
1226	Decreased expression of DUSP4 is associated with liver and lung metastases in colorectal cancer. 2013 , 30, 620	31
1225	A novel predictive strategy by immunohistochemical analysis of four EGFR ligands in metastatic colorectal cancer treated with anti-EGFR antibodies. 2013 , 139, 367-78	24
1224	Poor prognosis of KRAS or BRAF mutant colorectal liver metastasis without microsatellite instability. 2013 , 20, 223-33	42
1223	Newer Agents in Colon Cancer: What Next?. 2013, 9, 74-84	
1222	Next Generation Sequencing in Cancer Research. 2013,	4
1221	Dose-finding study of hepatic arterial infusion of oxaliplatin-based treatment in patients with advanced solid tumors metastatic to the liver. 2013 , 71, 389-97	11
1220	Molecular alterations of EGFR in small intestinal adenocarcinoma. 2013 , 28, 1329-35	9
1219	Changing monoclonal antibody keeping unaltered the chemotherapy regimen in metastatic colorectal cancer patients: is efficacy maintained?. 2013 , 2, 185	1
1218	Contributions of molecular analysis to the diagnosis and treatment of gastrointestinal neoplasms. 2013 , 30, 329-61	10
1217	Gene expression profiles can predict panitumumab monotherapy responsiveness in human tumor xenograft models. 2013 , 15, 125-32	8
1216	Multiplex picodroplet digital PCR to detect KRAS mutations in circulating DNA from the plasma of colorectal cancer patients. 2013 , 59, 1722-31	377
1215	Pattern of clinically relevant mutations in consecutive series of Russian colorectal cancer patients. 2013 , 30, 686	32
1215 1214		32
	2013, 30, 686 The prognostic role of ephrin A2 and endothelial growth factor receptor pathway mediators in	

1211	K-Ras(G12C) inhibitors allosterically control GTP affinity and effector interactions. 2013 , 503, 548-51		1133
1210	Circulating tumor cells in colorectal cancer patients. 2013 , 39, 759-72		40
1209	Liquid Chromatography Coupled to Mass Spectrometry-Based Metabolomics and the Concept of Biomarker. 2013 , 67, 159-218		5
1208	Sensitive, simultaneous quantitation of two unlabeled DNA targets using a magnetic nanoparticle-enzyme sandwich assay. 2013 , 85, 9238-44		30
1207	Evaluating many treatments and biomarkers in oncology: a new design. 2013, 31, 4562-8		105
1206	Molecular Pathology of Neoplastic Gastrointestinal Diseases. 2013,		2
1205	Resistance to targeted therapies: a role for microRNAs?. 2013 , 19, 633-42		24
1204	Incidence and prognostic impact of KRAS and BRAF mutation in patients undergoing liver surgery for colorectal metastases. 2013 , 119, 4137-44		133
1203	Phase 1 pharmacokinetic study of MK-0646 (dalotuzumab), an anti-insulin-like growth factor-1 receptor monoclonal antibody, in combination with cetuximab and irinotecan in Japanese patients with advanced colorectal cancer. 2013 , 72, 643-52		18
1202	EGFR and HER2 inhibition in pancreatic cancer. 2013 , 31, 558-66		21
1201	Influence of pharmacogenomic profiling prior to pharmaceutical treatment in metastatic colorectal cancer on cost effectiveness: a systematic review. 2013 , 31, 215-28		23
1200	Biomarkers in Oncology. 2013 ,		1
1199	Cancer drug resistance: an evolving paradigm. 2013 , 13, 714-26		2864
1198	Sensitive detection of KRAS mutations using enhanced-ice-COLD-PCR mutation enrichment and direct sequence identification. 2013 , 34, 1568-80		34
1197	Protein kinase inhibitors in metastatic colorectal cancer. Let's pick patients, tumors, and kinase inhibitors to piece the puzzle together!. 2013 , 14, 2203-20		4
1196	Clinical and economic challenges facing pharmacogenomics. 2013 , 13, 378-88		45
1195	Cetuximab response of lung cancer-derived EGF receptor mutants is associated with asymmetric dimerization. <i>Cancer Research</i> , 2013 , 73, 6770-9	10.1	61
1194	Challenges and opportunities for oncology biomarker discovery. 2013 , 18, 614-24		37

1193	Optimizing treatment of metastatic colorectal cancer patients with anti-EGFR antibodies: overcoming the mechanisms of cancer cell resistance. 2013 , 13, 241-55	44
1192	GA201 (RG7160): a novel, humanized, glycoengineered anti-EGFR antibody with enhanced ADCC and superior in vivo efficacy compared with cetuximab. 2013 , 19, 1126-38	89
1191	Ovarian cancer: making its own rules-again. 2013 , 119, 474-6	10
1190	Impact of STAT3 phosphorylation on the clinical effectiveness of anti-EGFR-based therapy in patients with metastatic colorectal cancer. 2013 , 12, 28-36	35
1189	The KRAS StripAssay for detection of KRAS mutation in Egyptian patients with colorectal cancer (CRC): a pilot study. 2013 , 25, 37-41	4
1188	Oxaliplatin-based Chemotherapy Might Provide Longer Progression-Free Survival in KRAS Mutant Metastatic Colorectal Cancer. 2013 , 6, 363-9	7
1187	The frequency of KRAS and BRAF mutations in intrahepatic cholangiocarcinomas and their correlation with clinical outcome. 2013 , 44, 2768-73	66
1186	Heterogeneity of colorectal cancer (CRC) in reference to KRAS proto-oncogene utilizing WAVE technology. 2013 , 95, 74-82	12
1185	Comparison of KRAS genotype: therascreen assay vs. LNA-mediated qPCR clamping assay. 2013 , 12, 195-203	.e25
1184	Second-line therapy in advanced biliary tract cancer: what should be the standard?. 2013 , 88, 368-74	17
1183	Cancer concepts and principles: primer for the interventional oncologist-part II. 2013, 24, 1167-88	20
1182	Mutation analysis of KRAS in primary colorectal cancer and matched metastases by means of highly sensitivity molecular assay. 2013 , 209, 233-6	18
1181	Tumor prognostic factors and the challenge of developing predictive factors. 2013 , 15, 33-46	1
1180	New paradigms and future challenges in radiation oncology: an update of biological targets and technology. 2013 , 5, 173sr2	151
1179	Comparison of COBAS 4800 KRAS, TaqMan PCR and high resolution melting PCR assays for the detection of KRAS somatic mutations in formalin-fixed paraffin embedded colorectal carcinomas. 2013 , 462, 329-35	29
1178	Clinical usefulness of KRAS, BRAF, and PIK3CA mutations as predictive markers of cetuximab efficacy in irinotecan- and oxaliplatin-refractory Japanese patients with metastatic colorectal cancer. 2013 , 18, 670-7	23
1177	Pharmacogenetics and pharmacogenomics: a bridge to individualized cancer therapy. 2013 , 14, 315-24	66
1176	A combined oncogenic pathway signature of BRAF, KRAS and PI3KCA mutation improves colorectal cancer classification and cetuximab treatment prediction. 2013 , 62, 540-9	107

1175	Individualized therapy for metastatic colorectal cancer. 2013 , 274, 1-24	19
1174	The role of high-throughput technologies in clinical cancer genomics. 2013 , 13, 167-81	19
1173	Mutation analysis of the EGFR gene and downstream signalling pathway in histologic samples of malignant pleural mesothelioma. 2013 , 108, 1743-9	29
1172	Predictive and Prognostic Biomarkers for Colorectal Cancer. 2013 , 131-162	2
1171	Role of targeted agents in metastatic colorectal cancer. 2013 , 8, 83-96	52
1170	The prognostic role of KRAS, BRAF, PIK3CA and PTEN in colorectal cancer. 2013 , 108, 2153-63	126
1169	Pharmacogenomics in Cancer Therapeutics. 2013 , 89-116	
1168	The TRAIL of oncogenes to apoptosis. 2013 , 39, 343-54	29
1167	Prognostic and predictive biomarkers for epidermal growth factor receptor-targeted therapy in colorectal cancer: beyond KRAS mutations. 2013 , 85, 45-81	78
1166	Anion-exchanged nanosolid support of magnetic nanoparticle in combination with PNA probes for DNA sequence analysis. 2013 , 15, 1	8
1165	An Empirical Analysis of Topic Modeling for Mining Cancer Clinical Notes. 2013,	13
1164	Assessing colorectal cancer heterogeneity: one step closer to tailored medicine. 2013 , 11, 115-129	2
1163	Rolle und Aufgaben der chirurgischen Onkologie im Rahmen molekular definierter Therapien. 2013 , 19, 858-862	
1162	Mechanisms of proteasome inhibitor-induced cytotoxicity in malignant glioma. 2013 , 29, 199-211	7
1161	KRAS p.G13D mutation and codon 12 mutations are not created equal in predicting clinical outcomes of cetuximab in metastatic colorectal cancer: a systematic review and meta-analysis. 2013 , 119, 714-21	72
1160	Rational combination of a MEK inhibitor, selumetinib, and the Wnt/calcium pathway modulator, cyclosporin A, in preclinical models of colorectal cancer. 2013 , 19, 4149-62	58
1159	Identification of a KRAS mutation in a patient with non-small cell lung cancer treated with chemoradiotherapy and panitumumab. 2013 , 14, 883-7	3
1158	Harnessing massively parallel DNA sequencing for the personalization of cancer management. 2013 , 10, 183-190	2

1157 RASmutations: impact on treatment outcome. **2013**, 2, 525-534

1156 Mülecine personnalis en canciologie digestive. 2013 ,	
Colorectal Cancer: Basic and Translational Research. 2013 , 1, 18-24	
[Small intestinal signet-ring cell carcinoma in Crohn's disease: case report and review of the literature]. 2013 , 138 Suppl 2, e120-3	1
1153 Immunotherapeutic strategies to target prognostic and predictive markers of cancer. 2013 , 7, 23-35	7
1152 Oncogenic osteomalacia due to FGF23-expressing colon adenocarcinoma. 2013 , 98, 887-91	55
A twenty-first century cancer epidemic caused by obesity: the involvement of insulin, diabetes, and insulin-like growth factors. 2013 , 2013, 632461	35
1150 Personalizing colon cancer therapeutics: targeting old and new mechanisms of action. 2013 , 6, 988-10)38 12
Ras chaperones: new targets for cancer and immunotherapy. 2013 , 33 Pt A, 267-89	7
Direct sequencing is a reliable assay with good clinical applicability for KRAS mutation testing in colorectal cancer. 2013 , 13, 89-97	13
Validation of companion diagnostic for detection of mutations in codons 12 and 13 of the KRAS gene in patients with metastatic colorectal cancer: analysis of the NCIC CTG CO.17 trial. 2013 , 137, 82	26 26
1146 KRAS mutations are associated with specific morphologic features in colon cancer. 2013 , 47, 509-14	10
Molecular markers for novel therapeutic strategies in pancreatic endocrine tumors. 2013 , 42, 411-21	33
Development of a colon cancer GEMM-derived orthotopic transplant model for drug discovery and validation. 2013 , 19, 2929-40	30
1143 Immunohistochemistry in the era of personalised medicine. 2013 , 66, 58-61	30
1142 Biomarkers in precision therapy in colorectal cancer. 2013 , 1, 166-83	69
Computational analysis of KRAS mutations: implications for different effects on the KRAS p.G12D and p.G13D mutations. 2013 , 8, e55793	48
EGFR gene copy number as a prognostic marker in colorectal cancer patients treated with cetuximab or panitumumab: a systematic review and meta analysis. 2013 , 8, e56205	40

1139 Personalized medicine: does the molecular s	suit fit?. 2013 , 18, 653-4	4
1138 Human variation 2.0: using GWAS to probe in	ntermediate phenotypes. 2013 , 34, iv	2
• • •	tation in patients with metastatic colorectal cancer eceptor monoclonal antibodies: a meta-analysis. 2013 ,	37
Pharmacokinetics, clinical indications, and rein in cancer. 2013 , 65, 1351-95	esistance mechanisms in molecular targeted therapies	26
Optimization of routine KRAS mutation PCR first-line-targeted therapy selection in meta	t-based testing procedure for rational individualized static colorectal cancer. 2013 , 2, 11-20	16
1134 . 2013 ,		
1133 Colorectal cancer. 2013 , 10-26		
Anti-epidermal growth factor receptor there potential molecular mechanisms of drug res	apy in head and neck squamous cell carcinoma: focus on istance. 2013 , 18, 850-64	70
1131 Phase II study of everolimus in metastatic ur	rothelial cancer. 2013 , 112, 462-70	133
From bench to bedside: lessons learned in to development. 2013 , 105, 1441-56	ranslating preclinical studies in cancer drug	41
1129 Monoclonal Antibodies Targeting EGFR/HER	R2 and Clinical Outcomes in Cancer Treatment. 2013 ,	
1128 Pharmacogfifique et pharmacogfiomie. 201 3	3 , 59-74	
	eceptor, amphiregulin and epiregulin in formalin-fixed by matrix-assisted laser desorption/ionization mass	9
Cetuximab promotes anticancer drug toxicit vitro. 2013 , 30, 1081-6	ry in rhabdomyosarcomas with EGFR amplification in	12
1125 Markers of Sensitivity and Resistance to EGF	FR Inhibitors in Colorectal Cancer. 2013 , 183-232	
Expression of E-cadherin and KRAS mutation in metastatic colorectal cancer. 2013 , 5, 129	n may serve as biomarkers of cetuximab-based therapy 5-1300	7
Coexistence of two different mutations in co a case supporting the concept of tumoral he	odon 12 of the Kras gene in colorectal cancer: Report of eterogeneity. 2013 , 5, 1741-1743	9
A national study of breast and colorectal car medicine genomic diagnostics. 2013 , 10, 245	ncer patients' decision-making for novel personalized 5-256	6

1121	The Intriguing Interplay Between Therapies Targeting the Epidermal Growth Factor Receptor, the Hypoxic Microenvironment and Hypoxia-inducible Factors. 2013 , 19, 907-917	21
1120	Simultaneous detection of 19 K-ras mutations by free-solution conjugate electrophoresis of ligase detection reaction products on glass microchips. 2013 , 34, 590-7	13
1119	Autres biomarqueurs potentiels des anti-EGFR. 2013 , 177-191	
1118	Adjuvant therapy in patients with stage II and III colon cancer under 70 years of age. 2013 , 2, 205-217	
1117	Phase II open-label study to assess efficacy and safety of lenalidomide in combination with cetuximab in KRAS-mutant metastatic colorectal cancer. 2013 , 8, e62264	18
1116	Comparison of KRAS/BRAF mutations between primary tumors and serum in colorectal cancer: Biological and clinical implications. 2013 , 5, 249-254	10
1115	A subset of gastric cancers with EGFR amplification and overexpression respond to cetuximab therapy. 2013 , 3, 2992	68
1114	Metastatic colorectal cancer first-line treatment with bevacizumab: the impact of K-ras mutation. 2013 , 6, 1761-9	7
1113	Prognostic significance and targeting of HER family in colorectal cancer. 2013 , 18, 394-421	23
1112	Predicting tumour response. 2013 , 13, 381-90	6
1112	Predicting tumour response. 2013, 13, 381-90 [Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013, 71, 603-7	6
	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS	33
1111	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013 , 71, 603-7 Epidermal growth factor receptor (EGFR)-RAS signaling pathway in penile squamous cell carcinoma.	
1111 1110 1109	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013, 71, 603-7 Epidermal growth factor receptor (EGFR)-RAS signaling pathway in penile squamous cell carcinoma. 2013, 8, e62175 Validation of next generation sequencing technologies in comparison to current diagnostic gold	33
1111 1110 1109	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013, 71, 603-7 Epidermal growth factor receptor (EGFR)-RAS signaling pathway in penile squamous cell carcinoma. 2013, 8, e62175 Validation of next generation sequencing technologies in comparison to current diagnostic gold standards for BRAF, EGFR and KRAS mutational analysis. 2013, 8, e69604	33 86
1111 1110 1109 1108	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013, 71, 603-7 Epidermal growth factor receptor (EGFR)-RAS signaling pathway in penile squamous cell carcinoma. 2013, 8, e62175 Validation of next generation sequencing technologies in comparison to current diagnostic gold standards for BRAF, EGFR and KRAS mutational analysis. 2013, 8, e69604 TP53 and let-7a micro-RNA regulate K-Ras activity in HCT116 colorectal cancer cells. 2013, 8, e70604 Measurement of cetuximab and panitumumab-unbound serum EGFR extracellular domain using an	33 86 21
1111 1110 1109 1108	[Method validation according to ISO 15189 and SH GTA 04: application for the detection of KRAS mutations using PCR TaqMan assay]. 2013, 71, 603-7 Epidermal growth factor receptor (EGFR)-RAS signaling pathway in penile squamous cell carcinoma. 2013, 8, e62175 Validation of next generation sequencing technologies in comparison to current diagnostic gold standards for BRAF, EGFR and KRAS mutational analysis. 2013, 8, e69604 TP53 and let-7a micro-RNA regulate K-Ras activity in HCT116 colorectal cancer cells. 2013, 8, e70604 Measurement of cetuximab and panitumumab-unbound serum EGFR extracellular domain using an assay based on slow off-rate modified aptamer (SOMAmer) reagents. 2013, 8, e71703 Breast tumors with elevated expression of 1q candidate genes confer poor clinical outcome and	33 86 21

1103	Expression of Epidermal Growth Factor Receptor Detected by Cetuximab Indicates Its Efficacy to Inhibit In Vitro and In Vivo Proliferation of Colorectal Cancer Cells. 2013 , 8, e66302	20
1102	A view on EGFR-targeted therapies from the oncogene-addiction perspective. 2013 , 4, 53	29
1101	[Kras oncogene and pancreatic cancer: thirty years after]. 2013 , 29, 991-7	4
1100	Molecular pathology of colorectal cancer. 2014 , 65, 257-66	26
1099	KRAS, BRAF and PIK3CA status in squamous cell anal carcinoma (SCAC). 2014 , 9, e92071	43
1098	Heterogeneous EGFR gene copy number increase is common in colorectal cancer and defines response to anti-EGFR therapy. 2014 , 9, e99590	13
1097	PCR-based assays versus direct sequencing for evaluating the effect of KRAS status on anti-EGFR treatment response in colorectal cancer patients: a systematic review and meta-analysis. 2014 , 9, e107926	6
1096	Role of HGF-MET Signaling in Primary and Acquired Resistance to Targeted Therapies in Cancer. 2014 , 2, 345-358	24
1095	Anti-epidermal growth factor receptor monoclonal antibody-based therapy for metastatic colorectal cancer: a meta-analysis of the effect of PIK3CA mutations in KRAS wild-type patients. 2014 , 10, 1-9	26
1094	Strategies to overcome resistance to epidermal growth factor receptor monoclonal antibody therapy in metastatic colorectal cancer. 2014 , 20, 9862-71	15
1093	Predicting cetuximab efficacy in patients with advanced colorectal cancer. 2014 , 61	1
1092	Genetic and immune factors underlying the efficacy of cetuximab and panitumumab in the treatment of patients with metastatic colorectal cancer. 2014 , 18, 7-16	9
1091	Mechanisms of resistance to EGFR inhibitors in colorectal cancers. 2014 , 3, 511-520	
1090	Structural Systems Biology: Modeling Interactions and Networks for Systems Studies. 2014 , 9-19	
1089	Pharmacodynamic Pharmacogenomics. 2014 , 365-383	2
1088	Delineating the functional map of the interaction between nimotuzumab and the epidermal growth factor receptor. 2014 , 6, 1013-25	10
1087	Panitumumab: leading to better overall survival in metastatic colorectal cancer?. 2014 , 14, 535-48	1
1086	Panitumumab safety for treating colorectal cancer. 2014 , 13, 843-51	9

1085	Anti-EGFR therapeutic efficacy correlates directly with inhibition of STAT3 activity. 2014 , 15, 623-32	25
1084	Anti-EGFR Resistance in Colorectal Cancer: Current Knowledge and Future Perspectives. 2014 , 10, 380-394	1
1083	KRAS mutation in adenocarcinoma of the gastrointestinal type arising from a mature cystic teratoma of the ovary. 2014 , 7, 85	4
1082	Glyco-engineered anti-EGFR mAb elicits ADCC by NK cells from colorectal cancer patients irrespective of chemotherapy. 2014 , 110, 1221-7	20
1081	Role of aflibercept in the treatment of advanced colorectal cancer. 2014 , 3, 27-40	
1080	Coexistence of KRAS mutation with mutant but not wild-type EGFR predicts response to tyrosine-kinase inhibitors in human lung cancer. 2014 , 111, 2203-4	30
1079	Prognosis in autoimmune and infectious disease: new insights from genetics. 2014 , 3, e15	7
1078	'Druggable' alterations detected by Ion Torrent in metastatic colorectal cancer patients. 2014 , 7, 1761-1766	7
1077	Pathway-driven discovery of rare mutational impact on cancer. 2014 , 2014, 171892	3
1076	Predictive biomarkers of response to anti-EGF receptor monoclonal antibody therapies. 2014 , 3, 223-232	1
1075	Development of image-guided targeted two-photon PDT for the treatment of head and neck cancers. 2014 ,	2
1074	Impact of cetuximab in current treatment of metastatic colorectal cancer. 2014 , 14, 387-99	4
1073	Mutation-specific RAS oncogenicity explains NRAS codon 61 selection in melanoma. 2014 , 4, 1418-29	121
1072	The epidermal growth factor receptor in squamous cell carcinoma: An emerging drug target. 2014 , 55, 24-34	22
1071	Sensitive detection of trace amounts of KRAS codon 12 mutations by a fast and novel one-step technique. 2014 , 47, 237-42	7
1070	Phase 1 and pharmacodynamic trial of everolimus in combination with cetuximab in patients with advanced cancer. 2014 , 120, 77-85	22
1069	Growing indication for FNA to study and analyze tumor heterogeneity at metastatic sites. 2014 , 122, 504-11	15
1068	Pharmacogenomics in Developing Countries. 2014 , 327-351	

1067	Anti-IGF-1R monoclonal antibody inhibits the carcinogenicity activity of acquired trastuzumab-resistant SKOV3. 2014 , 7, 103	4
1066	Molecular Predictive and Prognostic Markers of Colorectal Carcinoma. 2014 , 19, 252-255	
1065	Performance evaluation comparison of 3 commercially available PCR-based KRAS mutation testing platforms. 2014 , 22, 231-5	8
1064	Molecular Pathology and Diagnostics of Colorectal Cancer. 2014 , 119-175	
1063	Optimizing single agent panitumumab therapy in pre-treated advanced colorectal cancer. 2014 , 16, 751-6	4
1062	Cytopathology in Oncology. 2014 ,	3
1061	Biomarkers for predicting the efficacy of anti-epidermal growth factor receptor antibody in the treatment of colorectal cancer. 2014 , 89, 18-23	15
1060	Results of first proficiency test for KRAS testing with formalin-fixed, paraffin-embedded cell lines in China. 2014 , 52, 1851-7	3
1059	Oncologists' response to new data regarding the use of epidermal growth factor receptor inhibitors in colorectal cancer. 2014 , 10, 308-14	3
1058	KRAS mutation status is associated with enhanced dependency on folate metabolism pathways in non-small cell lung cancer cells. 2014 , 13, 1611-24	37
1057	Phase II trial of cetuximab plus irinotecan for oxaliplatin- and irinotecan-based chemotherapy-refractory patients with advanced and/or metastatic colorectal cancer: evaluation of efficacy and safety based on KRAS mutation status (T-CORE0801). 2014 , 87, 7-20	67
1056	KRAS mutations in codon 12 or 13 are associated with worse prognosis in pancreatic ductal adenocarcinoma. 2014 , 43, 578-83	31
1055	Acquired resistance to EGFR-targeted therapies in colorectal cancer. 2014 , 8, 1084-94	94
1054	Personalizing therapy for colorectal cancer. 2014 , 12, 139-44	21
1053	Application of Translational Science to Clinical Development. 2014 , 1-21	
1052	Translating Biomarker Discovery into Companion Diagnostics through Validation and Regulatory Consideration. 2014 , 157-181	
1051	Clinical validation of the detection of KRAS and BRAF mutations from circulating tumor DNA. 2014 , 20, 430-5	474
1050	Des mutations de KRAS aux mutations de RAS : vers une meilleure dfinition de la rþonse aux anticorps anti-EGFR dans le cancer colorectal mfastatique. 2014 , 16, 120-128	3

1049	A case report on efficacy of AboundIfor anti-EGFR antibody-associated skin disorder in metastatic colon cancer. 2014 , 12, 35	4
1048	Overexpression of MET is a new predictive marker for anti-EGFR therapy in metastatic colorectal cancer with wild-type KRAS. 2014 , 73, 749-57	21
1047	KRAS insertions in colorectal cancer: what do we know about unusual KRAS mutations?. 2014 , 96, 257-60	9
1046	Final results from PRIME: randomized phase III study of panitumumab with FOLFOX4 for first-line treatment of metastatic colorectal cancer. 2014 , 25, 1346-1355	353
1045	Hsa-miR-31-3p expression is linked to progression-free survival in patients with KRAS wild-type metastatic colorectal cancer treated with anti-EGFR therapy. 2014 , 20, 3338-47	77
1044	Performance of common analysis methods for detecting low-frequency single nucleotide variants in targeted next-generation sequence data. 2014 , 16, 75-88	87
1043	Comparison of KRAS mutation analysis of primary tumors and matched circulating cell-free DNA in plasmas of patients with colorectal cancer. 2014 , 433, 284-9	51
1042	Genomics of Colorectal Cancer. 2014 , 247-264	2
1041	Clinical validation of KRAS, BRAF, and EGFR mutation detection using next-generation sequencing. 2014 , 141, 856-66	115
1040	Molecular alterations and biomarkers in colorectal cancer. 2014 , 42, 124-39	62
1039	Methods of overcoming treatment resistance in colorectal cancer. 2014 , 89, 217-30	48
1038	Clinical relevance of KRAS mutations in codon 13: Where are we?. 2014 , 343, 1-5	21
1037	ThEapies cibles et biomarqueurs compagnons dans les cancers de la prostate mEastatiques. 2014 , 38, 31-37	
1036	Final results from a randomized phase 3 study of FOLFIRI {+/-} panitumumab for second-line treatment of metastatic colorectal cancer. 2014 , 25, 107-16	137
1035	Sinodielide A exerts thermosensitizing effects and induces apoptosis and G2/M cell cycle arrest in DU145 human prostate cancer cells via the Ras/Raf/MAPK and PI3K/Akt signaling pathways. 2014 , 33, 406-14	15
1034		
	Beyond KRAS status and response to anti-EGFR therapy in metastatic colorectal cancer. 2014 , 15, 1043-52	15
1033	Beyond KRAS status and response to anti-EGFR therapy in metastatic colorectal cancer. 2014 , 15, 1043-52 Computer-assisted management of unconsumed drugs as a cost-containment strategy in oncology. 2014 , 36, 892-5	5

1031 Optimization of Anti-EGFR Treatment of Advanced Colorectal Cancer. 2014 , 10, 263-271	1
Optimization of the Development of Old and New EGFR and MAP Kinase Inhibitors for Colorectal Cancer. 2014 , 10, 279-287	
Personalized medicine in metastatic colorectal cancer treated with anti-epidermal growth factor receptor agents: a future opportunity?. 2014 , 10 Suppl 1, 2-10	4
₁₀₂ 8 Cetuximab (Erbitux). 2014, 1501-1520	
Resistance to anti-EGFR therapy in colorectal cancer: from heterogeneity to convergent evolution. 2014 , 4, 1269-80	326
Molecular spectrum of KRAS, BRAF, and PIK3CA gene mutation: determination of frequency, distribution pattern in Indian colorectal carcinoma. 2014 , 31, 124	20
Mutation analysis of genes in the EGFR pathway in Head and Neck cancer patients: implications for anti-EGFR treatment response. 2014 , 7, 337	29
Template for reporting results of biomarker testing of specimens from patients with carcinoma of the colon and rectum. 2014 , 138, 166-70	36
Personalized medicine approaches for colon cancer driven by genomics and systems biology: OncoTrack. 2014 , 9, 1104-14	36
Multifunctional imaging signature for V-KI-RAS2 Kirsten rat sarcoma viral oncogene homolog (KRAS) mutations in colorectal cancer. 2014 , 55, 386-91	60
Primary and acquired resistance to EGFR-targeted therapies in colorectal cancer: impact on future treatment strategies. 2014 , 92, 709-22	64
EGFR gene gain and PTEN protein expression are favorable prognostic factors in patients with KRAS wild-type metastatic colorectal cancer treated with cetuximab. 2014 , 140, 737-48	29
Impact of second-line and later cetuximab-containing therapy and KRAS genotypes in patients with metastatic colorectal cancer: a multicenter study in Japan. 2014 , 44, 1457-64	4
Multi-marker analysis of circulating cell-free DNA toward personalized medicine for colorectal cancer. 2014 , 8, 927-41	145
A feasibility study testing four hypotheses with phase II outcomes in advanced colorectal cancer (MRC FOCUS3): a model for randomised controlled trials in the era of personalised medicine?. 2014 110, 2178-86	, 22
1016 Toxicogenomics and cancer susceptibility: advances with next-generation sequencing. 2014 , 32, 12	1-58 30
A case of fatal cetuximab-induced interstitial lung disease during the first weeks of treatment. 2014 , 9, 177-80	8
1014 Prognosis and Therapeutic Implications for Emerging Colorectal Cancer Subtypes. 2014 , 10, 55-61	4

1013 The Evolving Use of Prognostic Factors After Resection of Colorectal Liver Metastases. **2014**, 10, 218-226

Options for metastatic colorectal cancer beyond the second line of treatment. 2014 , 46, 105-12 Subtype-specific KRAS mutations in advanced lung adenocarcinoma: a retrospective study of	
2014, 14, 1051-61 1010 Overcoming cetuximab resistance in HNSCC: the role of AURKB and DUSP proteins. 2014, 354, 365-77 4. 1009 Options for metastatic colorectal cancer beyond the second line of treatment. 2014, 46, 105-12 33 Subtype-specific KRAS mutations in advanced lung adenocarcinoma: a retrospective study of	
Options for metastatic colorectal cancer beyond the second line of treatment. 2014 , 46, 105-12 Subtype-specific KRAS mutations in advanced lung adenocarcinoma: a retrospective study of	15
Subtype-specific KRAS mutations in advanced lung adenocarcinoma: a retrospective study of	
	37
	57
Detection of KRAS codon 12 and 13 mutations by mutant-enriched PCR assay. 2014 , 436, 169-75	3
1006 Clinical application of pharmacogenomics through clinical exercises and online resources. 2014 , 6, 571-576 2	<u>)</u>
Beyond KRAS: Predictive factors of the efficacy of anti-EGFR monoclonal antibodies in the treatment of metastatic colorectal cancer. 2014 , 20, 9732-43	25
Novel KRAS gene mutations in sporadic colorectal cancer. 2014 , 9, e113350	9
A 3-weekly schedule of irinotecan and panitumumab for wild-typeKRASmetastatic colorectal cancer. 2014 , 3, 135-145	3
[The current issues on development and clinical use of companion diagnostics and prospects of personalized medicine for the future]. 2014 , 134, 491-8	
Impact of 5-fluorouracil metabolizing enzymes on chemotherapy in patients with resectable colorectal cancer. 2014 , 32, 887-92	14
Deficient HER3 expression in poorly-differentiated colorectal cancer cells enhances gefitinib sensitivity. 2014 , 45, 1583-93	3
999 [Intratumoral immune microenvironment and survival: the immunoscore]. 2014 , 30, 439-44	15
Predictive biomarkers for anti-epidermal growth factor receptor therapy: beyond KRAS testing. 2014 , 12, 1433-42	5
The efficacy of cetuximab in a tissue-engineered three-dimensional in vitro model of colorectal cancer. 2014 , 5, 2041731414544183	25
Conversion Therapy Using mFOLFOX6 With Panitumumab for Unresectable Liver Metastases From Multiple Colorectal Cancers With Familial Adenomatous Polyposis. 2014 , 99, 795-801	<u>></u>

(2015-2015)

995	Meta-analysis of KRAS mutations and survival after resection of colorectal liver metastases. 2015 , 102, 1175-83	133
994	From adaptive licensing to adaptive pathways: delivering a flexible life-span approach to bring new drugs to patients. 2015 , 97, 234-46	133
993	Tumor oncogene (KRAS) status and risk of venous thrombosis in patients with metastatic colorectal cancer. 2015 , 13, 998-1003	31
992	Basal expression of insulin-like growth factor 1 receptor determines intrinsic resistance of cancer cells to a phosphatidylinositol 3-kinase inhibitor ZSTK474. 2015 , 106, 171-8	10
991	Cetuximab-induced insulin-like growth factor receptor 1 activation mediates cetuximab resistance in gastric cancer cells. 2015 , 11, 4547-54	6
990	Cancer Pharmacogenomics. 2015 , 1, 164-191	
989	Contribution of biobanks to care services. 2015 , 14, 21-24	1
988	Toward Personalized Therapy for Cancer. 2015 , 3-13	
987	Targeted Therapy in Solid Tumors: Colorectal Cancer. 2015 , 193-204	
986	Prevalence of KRAS, BRAF, PI3K and EGFR mutations among Asian patients with metastatic colorectal cancer. 2015 , 10, 2519-2526	8
985	Prognostic and Predictive Significance of Stromal Fibroblasts and Macrophages in Colon Cancer. 2015 , 7, 29-37	8
984	The Italian external quality assessment for RAS testing in colorectal carcinoma identifies methods-related inter-laboratory differences. 2015 , 13, 287	14
983	Wahl der Behandlungsstrategie auf der Basis molekularer Marker. 2015 , 18, 51-59	
982	Epidermal growth factor receptor immunohistochemistry: new opportunities in metastatic colorectal cancer. 2015 , 13, 217	30
981	Biomarkers predicting chemotherapy response in head and neck squamous cell carcinoma: a review. 2015 , 129, 1046-52	3
980	Detection of KRAS, NRAS and BRAF by mass spectrometry - a sensitive, reliable, fast and cost-effective technique. 2015 , 10, 132	27
979	Diagnostic Molecular Cytopathology - a further decade of progress. 2015 , 26, 269-70	6
978	Genomic Profiling in Gastrointestinal Cancer: Are We Ready To Use These Data to Make Treatment Decisions?. 2015 , 20, 1448-56	2

977	Genetic Heterogeneity in Colorectal Cancer and its Clinical Implications. 2015, 28, 370-5	9
976	rs712 polymorphism within let-7 microRNA-binding site might be involved in the initiation and progression of colorectal cancer in Chinese population. 2015 , 8, 3041-5	7
975	Anticoagulant therapy of cancer patients: Will patient selection increase overall survival?. 2015 , 114, 530-6	16
974	K-Ras, intestinal homeostasis and colon cancer. 2015 , 10, 73-81	27
973	NK Cell-Mediated Antibody-Dependent Cellular Cytotoxicity in Cancer Immunotherapy. 2015 , 6, 368	288
972	Targeting Apoptosis and Multiple Signaling Pathways with Icariside II in Cancer Cells. 2015, 11, 1100-12	85
971	Positive feedback between oncogenic KRAS and HIF-1∃ confers drug resistance in colorectal cancer. 2015 , 8, 1229-37	10
970	Treatment of metastatic colorectal cancer: focus on panitumumab. 2015 , 7, 189-98	11
969	Article Commentary: Predictive Modeling of Drug Treatment in the Area of Personalized Medicine. 2015 , 14s4, CIN.S19330	О
968	KRAS and BRAF Mutation Detection: Is Immunohistochemistry a Possible Alternative to Molecular Biology in Colorectal Cancer?. 2015 , 2015, 753903	18
967	Lack of Association between Membrane-Type 1 Matrix Metalloproteinase Expression and Clinically Relevant Molecular or Morphologic Tumor Characteristics at the Leading Edge of Invasive Colorectal Carcinoma. 2015 , 2015, 185404	2
966	. 2015,	2
965	Epidermal growth factor receptor mutation mediates cross-resistance to panitumumab and cetuximab in gastrointestinal cancer. 2015 , 6, 12035-47	47
964	Biomarkers For Colon Cancer. 2015 , 7, 49-50	3
963	A Case of Krukenberg Tumor Metastasized from Colon Cancer Subsequent to Synchronous Multiple Liver Metastasis. 2015 , 27, 285-289	
962	Colon cancer and the epidermal growth factor receptor: Current treatment paradigms, the importance of diet, and the role of chemoprevention. 2015 , 6, 133-41	59
961	Transcriptional changes associated with resistance to inhibitors of epidermal growth factor receptor revealed using metaanalysis. 2015 , 15, 369	3
960	Biomarkers for personalized medicine in GI cancers. 2015 , 45, 14-27	9

(2015-2015)

Opportunities for translational epidemiology: the important role of observational studies to advance precision oncology. 2015 , 24, 484-9	10
Sym004: Truly a New Level of Anti-EGFR Treatment?. 2015 , 5, 578-80	1
Monitoring Trastuzumab Resistance and Cardiotoxicity: A Tale of Personalized Medicine. 2015 , 70, 95-130	10
Maintenance Treatment with Cetuximab and BAY86-9766 Increases Antitumor Efficacy of Irinotecan plus Cetuximab in Human Colorectal Cancer Xenograft Models. 2015 , 21, 4153-64	13
EGFR signaling in colorectal cancer: a clinical perspective. 2015 , 21	4
Eprobe-mediated screening system for somatic mutations in the KRAS locus. 2015 , 33, 2719-27	8
Dynamic Regulation of Adherens Junctions: Implication in Cell Differentiation and Tumor Development. 2015 , 53-149	1
eNOS polymorphisms as predictors of efficacy of bevacizumab-based chemotherapy in metastatic colorectal cancer: data from a randomized clinical trial. 2015 , 13, 258	23
Molecular Subgroup Analysis of Clinical Outcomes in a Phase 3 Study of Gemcitabine and Oxaliplatin with or without Erlotinib in Advanced Biliary Tract Cancer. 2015 , 8, 40-6	14
Optimization of Pharmaceutical R&D Programs and Portfolios. 2015,	8
Distinct gene expression profiles of proximal and distal colorectal cancer: implications for cytotoxic and targeted therapy. 2015 , 15, 354-62	36
Association between KRAS mutation and lung metastasis in advanced colorectal cancer. 2015 , 112, 424-8	61
KRAS and BRAF mutations are prognostic biomarkers in patients undergoing lung metastasectomy of colorectal cancer. 2015 , 112, 720-8	58
Survival in ampullary cancer: potential role of different KRAS mutations. 2015 , 157, 260-8	26
Personalized treatment for colorectal cancer: novel developments and putative therapeutic strategies. 2015 , 400, 129-43	12
International differences in companion diagnostic approvals: how are we able to manage the differences?. 2015 , 15, 157-9	9
Functional TP53 mutations have no impact on response to cytotoxic agents in metastatic colon cancer. 2015 , 102, 117-25	5
Serial in vivo imaging using a fluorescence probe allows identification of tumor early response to cetuximab immunotherapy. 2015 , 12, 10-7	10
	Advance precision oncology. 2015, 24, 484-9 Sym004: Truly a New Level of Anti-EGFR Treatment?. 2015, 5, 578-80 Monitoring Trastuzumab Resistance and Cardiotoxicity: A Tale of Personalized Medicine. 2015, 70, 95-130 Maintenance Treatment with Cetuximab and BAY86-9766 Increases Antitumor Efficacy of Irinotecan plus Cetuximab in Human Colorectal Cancer Xenograft Models. 2015, 21, 4153-64 EGFR signaling in colorectal cancer: a clinical perspective. 2015, 21 Eprobe-mediated screening system for somatic mutations in the KRAS locus. 2015, 33, 2719-27 Dynamic Regulation of Adherens Junctions: Implication in Cell Differentiation and Tumor Development. 2015, 53-149 eNOS polymorphisms as predictors of efficacy of bevacizumab-based chemotherapy in metastatic colorectal cancer: data from a randomized clinical trial. 2015, 13, 258 Molecular Subgroup Analysis of Clinical Outcomes in a Phase 3 Study of Gemcitabine and Oxaliplatin with or without Erlotinib in Advanced Biliary Tract Cancer. 2015, 8, 40-6 Optimization of Pharmaceutical R&D Programs and Portfolios. 2015, Distinct gene expression profiles of proximal and distal colorectal cancer: implications for cytotoxic and targeted therapy. 2015, 15, 354-62 Association between KRAS mutation and lung metastasis in advanced colorectal cancer. 2015, 112, 424-8 KRAS and BRAF mutations are prognostic biomarkers in patients undergoing lung metastasectomy of colorectal cancer. 2015, 112, 720-8 Survival in ampullary cancer: potential role of different KRAS mutations. 2015, 157, 260-8 Personalized treatment for colorectal cancer: novel developments and putative therapeutic strategies. 2015, 400, 129-43 International differences in companion diagnostic approvals: how are we able to manage the differences?. 2015, 15, 175-9 Functional TPS3 mutations have no impact on response to cytotoxic agents in metastatic colon cancer. 2015, 102, 117-25

941	KRAS mutation testing in clinical practice. 2015 , 15, 375-84	9
940	Dissecting the mechanism of colorectal tumorigenesis based on RNA-sequencing data. 2015 , 98, 246-53	6
939	Generation and characterization of a target-selectively activated antibody against epidermal growth factor receptor with enhanced anti-tumor potency. 2015 , 7, 440-50	16
938	Therapeutic strategy in unresectable metastatic colorectal cancer: an updated review. 2015 , 7, 153-69	31
937	Colorectal liver metastases are more often super wild type. Toward treatment based on metastatic site genotyping?. 2015 , 10, 415-21	4
936	CA-SSR1 Polymorphism in Intron 1 of the EGFR Gene in Patients with Malignant Tumors Who Develop Acneiform Rash Associated with the Use of Cetuximab. 2015 , 19, 79-89	7
935	Concurrent Targeting of KRAS and AKT by MiR-4689 Is a Novel Treatment Against Mutant KRAS Colorectal Cancer. 2015 , 4, e231	57
934	methylation and outcome of patients with advanced colorectal cancer treated with cetuximab. 2015 , 9, 1432-1438	3
933	Colorectal cancer: using blood samples and tumor tissue to detect K-ras mutations. 2015 , 15, 715-25	5
932	EGFR targeted therapies and radiation: Optimizing efficacy by appropriate drug scheduling and patient selection. 2015 , 154, 67-77	35
931	Current controversies in the management of metastatic colorectal cancer. 2015, 76, 659-77	11
930	Molecular biomarkers in colorectal carcinoma. 2015 , 16, 1189-222	10
929	Established and Potential Predictive Biomarkers in Gastrointestinal Cancerc-Kit, Her2, Ras and Beyond. 2015 , 91, 294-302	7
928	KRAS Status as an Independent Prognostic Factor for Survival after Yttrium-90 Radioembolization Therapy for Unresectable Colorectal Cancer Liver Metastases. 2015 , 26, 1102-11	37
927	Systemic neutrophil-to-lymphocyte ratio in colorectal cancer: the relationship to patient survival, tumour biology and local lymphocytic response to tumour. 2015 , 113, 204-11	81
926	Surgery in the era of the 'omics revolution. 2015 , 102, e29-40	9
925	Vascular endothelial growth factor D expression is a potential biomarker of bevacizumab benefit in colorectal cancer. 2015 , 113, 37-45	41
924	Genetic mutations in human rectal cancers detected by targeted sequencing. 2015 , 60, 589-96	15

923 Estrogen and breast cancer: can less mean more?. **2015**, 14, 2197-8

Stras, Egfr, and Tp33 Mutations in B6C3F1/N Mouse and F344/NTac Rat Alveolar/Bronchiolar Carcinomas Resulting from Chronic Inhalation Exposure to Cobalt Metal. 2015, 43, 872-82 Phase 1b Trial of Biweekly Intravenous Pexa-Vec (JX-594), an Oncolytic and Immunotherapeutic Vaccinia Virus in Colorectal Cancer. 2015, 23, 1532-40 MicroRNA-224 is associated Mutations in KRAS Codon 12 and Colorectal Liver Metastasis. 2015, 150, 722-9 MicroRNA-224 is associated with colorectal cancer progression and response to 5-fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the lon Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 Emerging drugs for head and neck cancer. 2015, 20, 313-29 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell Jung cancer: EGFR and heavand			
for the observed survival benefit conferred by first-line treatment with EGFR inhibitors. 2015, 15, 1205-20 Kras, Egfr, and Tp53 Mutations in B6C3F1/N Mouse and F344/NTac Rat Alveolar/Bronchiolar Carcinomas Resulting from Chronic Inhalation Exposure to Cobalt Metal. 2015, 43, 872-82 Phase 1b Trial of Biweekly Intravenous Pexa-Vec (JX-594), an Oncolytic and Immunotherapeutic Vaccinia Virus in Colorectal Cancer. 2015, 23, 1532-40 Association Between Specific Mutations in KRAS Codon 12 and Colorectal Liver Metastasis. 2015, 150, 722-9 MicroRNA-224 is associated with colorectal cancer progression and response to 5-fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 Pirst-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 Emerging drugs for head and neck cancer. 2015, 20, 313-29 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, 55 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond.	922		7
Phase 1b Trial of Biweekly Intravenous Pexa-Vec (JX-594), an Oncolytic and Immunotherapeutic Vaccinia Virus in Colorectal Cancer. 2015, 23, 1532-40 Phase 1b Trial of Biweekly Intravenous Pexa-Vec (JX-594), an Oncolytic and Immunotherapeutic Vaccinia Virus in Colorectal Cancer. 2015, 23, 1532-40 Association Between Specific Mutations in KRAS Codon 12 and Colorectal Liver Metastasis. 2015, 150, 722-9 MicroRNA-224 is associated with colorectal cancer progression and response to 5-fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profilling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 Pirst-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, 55 Berriormance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond.	921		17
Association Between Specific Mutations in KRAS Codon 12 and Colorectal Liver Metastasis. 2015, 150, 722-9 MicroRNA-224 is associated with colorectal cancer progression and response to 5-fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PCM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 Emerging drugs for head and neck cancer. 2015, 20, 313-29 23 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	920		11
MicroRNA-224 is associated with colorectal cancer progression and response to 5-fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 23 Phermacogenomics of head and neck cancer. 2015, 20, 313-29 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	919	· · · · · · · · · · · · · · · · · · ·	103
5-Fluorouracil-based chemotherapy by KRAS-dependent and -independent mechanisms. 2015, 112, 1480-90 Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015, 363, 1-6 KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, 55 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	918		82
KRAS gene mutation in a series of unselected colorectal carcinoma patients with prognostic morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 23 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 23 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, S5 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	917		50
morphological correlations: a pyrosequencing method improved by nested PCR. 2015, 98, 563-7 The use of EGFR inhibitors in colorectal cancer: is it clinically efficacious and cost-effective?. 2015, 15, 81-100 Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 Pirst-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, S5 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	916	Genomic profiling guides the choice of molecular targeted therapy of pancreatic cancer. 2015 , 363, 1-6	16
Validation of the Ion Torrent PGM sequencing for the prospective routine molecular diagnostic of colorectal cancer. 2015, 48, 908-10 23 Pirst-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 23 910 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, S5 909 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 908 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 18	915		4
colorectal cancer. 2015, 48, 908-10 First-Line Therapy in Metastatic Colorectal Cancer Patients Not Candidates for Curative Surgery. 2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, S5 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 23 24 25 26 27 28 29 29 20 20 20 20 20 20 20 20	914		3
2015, 11, 54-69 Emerging drugs for head and neck cancer. 2015, 20, 313-29 The role of epigenetics in personalized medicine: challenges and opportunities. 2015, 8 Suppl 1, S5 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015, 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015, 34, 149-60	913		23
The role of epigenetics in personalized medicine: challenges and opportunities. 2015 , 8 Suppl 1, S5 Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015 , 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015 , 34, 149-60	912		
Performance of a novel KRAS mutation assay for formalin-fixed paraffin embedded tissues of colorectal cancer. 2015 , 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015 , 34, 149-60	911	Emerging drugs for head and neck cancer. 2015 , 20, 313-29	23
colorectal cancer. 2015 , 4, 7 Pharmacogenomics of EGFR-targeted therapies in non-small cell lung cancer: EGFR and beyond. 2015 , 34, 149-60	910	The role of epigenetics in personalized medicine: challenges and opportunities. 2015 , 8 Suppl 1, S5	38
⁹⁰⁸ 2015 , 34, 149-60	909		7
907 Application of biomarkers in oncology clinical trials. 2015 , 5, 61-74	908		18
	907	Application of biomarkers in oncology clinical trials. 2015 , 5, 61-74	1
906 BRAF and RAS mutations as prognostic factors in metastatic colorectal cancer patients undergoing liver resection. 2015 , 112, 1921-8	906		111

905	Translational value of mouse models in oncology drug development. 2015 , 21, 431-9	192
904	Targeting EGFR in metastatic colorectal cancer beyond the limitations of KRAS status: alternative biomarkers and therapeutic strategies. 2015 , 9, 363-75	6
903	Precision medicine in colorectal cancer: the molecular profile alters treatment strategies. 2015 , 7, 252-62	52
902	Right-sided colon cancer and left-sided colorectal cancers respond differently to cetuximab. 2015 , 34, 384-93	52
901	Markers in Colorectal Cancer and Clinical Trials Based Upon Them. 2015 , 11, 317-325	
900	The Personalization of Therapy: Molecular Profiling Technologies and Their Application. 2015 , 42, 775-87	4
899	Clinical Validation of a Multiplex Kit for RAS Mutations in Colorectal Cancer: Results of the RASKET (RAS KEy Testing) Prospective, Multicenter Study. 2015 , 2, 317-23	46
898	Efficient, Adaptive Clinical Validation of Predictive Biomarkers in Cancer Therapeutic Development. 2015 , 867, 81-90	5
897	Vitamin C selectively kills KRAS and BRAF mutant colorectal cancer cells by targeting GAPDH. 2015 , 350, 1391-6	537
896	Treatment strategies in colorectal cancer patients with initially unresectable liver-only metastases, a study protocol of the randomised phase 3 CAIRO5 study of the Dutch Colorectal Cancer Group (DCCG). 2015 , 15, 365	47
895	STRATEGIC-1: A multiple-lines, randomized, open-label GERCOR phase III study in patients with unresectable wild-type RAS metastatic colorectal cancer. 2015 , 15, 496	17
894	Prognostic and Predictive Biomarkers in Colorectal Cancer: Implications for the Clinical Surgeon. 2015 , 22, 3433-50	18
893	How can we identify new biomarkers for patients with for lung metastasectomy in colorectal cancer. 2015 , 11, 2109-11	1
892	Reply to the letter to the editor 'new life for retrospective study in the precision oncology era' by Orlandi et al. 2015 , 26, 2353	
891	How to Identify the Right Patients for the Right Treatment in Metastatic Colorectal Cancer (mCRC). 2015 , 11, 151-159	2
890	Personalized Approaches to Gastrointestinal Cancers: Importance of Integrating Genomic Information to Guide Therapy. 2015 , 95, 1081-94	5
889	CCR 20th Anniversary Commentary: RAS as a Biomarker for EGFRTargeted Therapy for Colorectal Cancer-From Concept to Practice. 2015 , 21, 3578-80	12
888	Biochip detection of KRAS, BRAF, and PIK3CA somatic mutations in colorectal cancer patients. 2015 , 49, 550-559	2

(2015-2015)

887	Prognostic Value of BRAF, PI3K, PIEN, EGFR Copy Number, Amphiregulin and Epiregulin Status in Patients with KRAS Codon 12 Wild-Type Metastatic Colorectal Cancer Receiving First-Line Chemotherapy with Anti-EGFR Therapy. 2015 , 19, 397-408	21
886	Prognostic and Predictive Value of RAS Gene Mutations in Colorectal Cancer: Moving Beyond KRAS Exon 2. 2015 , 75, 1739-56	6
885	Precision medicine in colorectal cancer: evolving genomic landscape and emerging consensus. 2015 , 11, 2711-2719	4
884	Designs of preoperative biomarkers trials in oncology: a systematic review of the literature. 2015 , 26, 2419-28	15
883	Amiloride sensitizes human pancreatic cancer cells to erlotinib in vitro through inhibition of the PI3K/AKT signaling pathway. 2015 , 36, 614-26	15
882	Dissecting cancer evolution at the macro-heterogeneity and micro-heterogeneity scale. 2015 , 30, 1-6	52
881	Predictive In Vivo Models for Oncology. 2016 , 232, 203-21	6
880	Defining an optimal surgical strategy for synchronous colorectal liver metastases: staged versus simultaneous resection?. 2015 , 85, 829-33	13
879	Telomere length is a novel predictive biomarker of sensitivity to anti-EGFR therapy in metastatic colorectal cancer. 2015 , 112, 313-8	21
878	Predictive and prognostic markers in the treatment of metastatic colorectal cancer (mCRC): personalized medicine at work. 2015 , 29, 43-60	24
877	Portrait of the PI3K/AKT pathway in colorectal cancer. 2015 , 1855, 104-21	148
876	Role of NRAS mutations as prognostic and predictive markers in metastatic colorectal cancer. 2015 , 136, 83-90	92
875	Fluorescence virus-guided capturing system of human colorectal circulating tumour cells for non-invasive companion diagnostics. 2015 , 64, 627-35	23
874	Individual patient data analysis of progression-free survival versus overall survival as a first-line end point for metastatic colorectal cancer in modern randomized trials: findings from the analysis and research in cancers of the digestive system database. 2015 , 33, 22-8	69
873	Ethyl acetate extract from Glycosmis parva leaf induces apoptosis and cell-cycle arrest by decreasing expression of COX-2 and altering BCL-2 family gene expression in human colorectal cancer HT-29 cells. 2015 , 53, 540-7	14
872	Mutant KRAS as a critical determinant of the therapeutic response of colorectal cancer. 2015 , 2, 4-12	70
871	A review of the evolution of systemic chemotherapy in the management of colorectal cancer. 2015 , 14, 1-10	289
870	Changes of KRAS Exon 2 Codon 12/13 Mutation Status in Recurrent Colorectal Cancer. 2015 , 21, 399-404	7

869	Targeting BRAF mutant metastatic colorectal cancer: clinical implications and emerging therapeutic strategies. 2015 , 10, 179-88	28
868	RAS mutations predict radiologic and pathologic response in patients treated with chemotherapy before resection of colorectal liver metastases. 2015 , 22, 834-842	79
867	Focal adhesion signaling and therapy resistance in cancer. 2015 , 31, 65-75	158
866	Early skin toxicity predicts better outcomes, and early tumor shrinkage predicts better response after cetuximab treatment in advanced colorectal cancer. 2015 , 10, 125-33	13
865	Genomic Applications in Pathology. 2015 ,	
864	Synergistic Anti-proliferative Effects of Cucurbitacin I and Irinotecan on Human Colorectal Cancer Cell Lines. 2016 , 6,	
863	Kirsten Ras* oncogene: significance of its discovery in human cancer research. 2016 , 7, 46717-46733	38
862	Predicating Candidate Cancer-Associated Genes in the Human Signaling Network Using Centrality. 2016 , 11, 87-92	3
861	Role of targeted therapy in metastatic colorectal cancer. 2016 , 8, 642-55	67
860	Mutational analysis of primary and metastatic colorectal cancer samples underlying the resistance to cetuximab-based therapy. 2016 , 9, 4695-703	11
859	Developing Smart Point-of-Care Diagnostic Tools for Next-Generation Wound Care. 2016, 251-264	3
858	RAS and BRAF in metastatic colorectal cancer management. 2016 , 7, 687-704	39
857	Predictive Biomarkers in Colorectal Cancer: From the Single Therapeutic Target to a Plethora of Options. 2016 , 2016, 6896024	17
856	Advances in targeted and immunobased therapies for colorectal cancer in the genomic era. 2016 , 9, 1899-920	33
855	Spotlight on bevacizumab in metastatic colorectal cancer: patient selection and perspectives. 2016 , 6, 21-30	7
854	A Quantitative Assessment of Factors Affecting the Technological Development and Adoption of Companion Diagnostics. 2015 , 6, 357	9
853	High Intra- and Inter-Tumoral Heterogeneity of RAS Mutations in Colorectal Cancer. 2016 , 17,	31
852	Clinical Application of Targeted Next Generation Sequencing for Colorectal Cancers. 2016 , 17,	11

851	CDK1 Is a Synthetic Lethal Target for KRAS Mutant Tumours. 2016 , 11, e0149099	47
850	Multiplex Detection of Rare Mutations by Picoliter Droplet Based Digital PCR: Sensitivity and Specificity Considerations. 2016 , 11, e0159094	64
849	Biomarker Development in Targeting Cancer Epigenetic. 2016 , 123-142	
848	Biomarkers predicting resistance to epidermal growth factor receptor-targeted therapy in metastatic colorectal cancer with wild-type KRAS. 2016 , 9, 557-65	15
847	A recellularized human colon model identifies cancer driver genes. 2016 , 34, 845-51	67
846	Long-Term Clinical Impact of Adaptation of Initial Tacrolimus Dosing to CYP3A5 Genotype. 2016 , 16, 2670-5	36
845	DrugTargetInspector: An assistance tool for patient treatment stratification. 2016 , 138, 1765-76	8
844	The pharmacogenomics of drug resistance to protein kinase inhibitors. 2016 , 28, 28-42	19
843	The Moment that KRAS Mutation Started to Evolve into Precision Medicine in Metastatic Colorectal Cancer. <i>Cancer Research</i> , 2016 , 76, 6443-6444	6
842	Highly sensitive detection of the PIK3CA (H1047R) mutation in colorectal cancer using a novel PCR-RFLP method. 2016 , 16, 454	7
841	Touch imprint cytology with massively parallel sequencing (TIC-seq): a simple and rapid method to snapshot genetic alterations in tumors. 2016 , 5, 3426-3436	27
840	Serine protease inhibitor Kazal type 1 (SPINK1) as a prognostic marker in stage IV colon cancer patients receiving cetuximab based targeted therapy. 2016 ,	6
839	Lauric acid can improve the sensitization of Cetuximab in KRAS/BRAF mutated colorectal cancer cells by retrievable microRNA-378 expression. 2016 , 35, 107-16	21
838	Identification and characterization of EGF receptor in individual exosomes by fluorescence-activated vesicle sorting. 2016 , 5, 29254	73
837	Biomarker in Colorectal Cancer. 2016 , 22, 156-64	31
836	Regulatory mechanisms underlying sepsis progression in patients with tumor necrosis factor- genetic variations. 2016 , 12, 323-328	3
835	New Approaches to Drug Discovery. 2016 ,	4
834	BRAF mutation may have different prognostic implications in early- and late-stage colorectal cancer. 2016 , 33, 39	18

833	KRAS G12D Mutation Subtype Is A Prognostic Factor for Advanced Pancreatic Adenocarcinoma. 2016 , 7, e157		94
832	KRAS and Combined KRAS/TP53 Mutations in Locally Advanced Rectal Cancer are Independently Associated with Decreased Response to Neoadjuvant Therapy. 2016 , 23, 2548-55		51
831	The safety of monoclonal antibodies for treatment of colorectal cancer. 2016 , 15, 799-808		21
830	L-Ascorbic acid can abrogate SVCT-2-dependent cetuximab resistance mediated by mutant KRAS in human colon cancer cells. 2016 , 95, 200-8		27
829	The path from big data to precision medicine. 2016 , 1, 129-143		24
828	Cetuximab treatment alters the content of extracellular vesicles released from tumor cells. 2016 , 11, 881-90		14
827	QIAGEN Therascreen KRAS RGQ Assay, QIAGEN KRAS Pyro Assay, and Dideoxy Sequencing for Clinical Laboratory Analysis of KRAS Mutations in Tumor Specimens. 2016 , 47, 30-8		3
826	Mimicking Metastases Including Tumor Stroma: A New Technique to Generate a Three-Dimensional Colorectal Cancer Model Based on a Biological Decellularized Intestinal Scaffold. 2016 , 22, 621-35		29
825	BCAM and LAMA5 Mediate the Recognition between Tumor Cells and the Endothelium in the Metastatic Spreading of KRAS-Mutant Colorectal Cancer. 2016 , 22, 4923-4933		34
824	Response to Cetuximab With or Without Irinotecan in Patients With Refractory Metastatic Colorectal Cancer Harboring the KRAS G13D Mutation: Australasian Gastro-Intestinal Trials Group ICECREAM Study. 2016 , 34, 2258-64		41
823	Circulating Tumor Cells and Circulating Tumor DNA in Colorectal Cancer. 2016 , 1, 181-194		1
822	Molecular Subtypes and Personalized Therapy in Metastatic Colorectal Cancer. 2016 , 12, 141-150		32
821	- Omics Approaches in Cancer Biomarker and Targeted Anticancer Drug Discovery. 2016 , 356-381		
820	Sur8 mediates tumorigenesis and metastasis in colorectal cancer. 2016 , 48, e249		4
819	Biomarkers in Search of Precision Medicine in IBD. 2016 , 111, 1682-1690		32
818	Fast Characterization of Fc-Containing Proteins by Middle-Down Mass Spectrometry Following IdeS Digestion. 2016 , 79, 1491-1505		5
817	CpG island methylator phenotype is associated with the efficacy of sequential oxaliplatin- and irinotecan-based chemotherapy and EGFR-related gene mutation in Japanese patients with metastatic colorectal cancer. 2016 , 21, 1091-1101		14
816	Commentary on "KRAS Mutation Status Is Predictive of Response to Cetuximab Therapy in Colorectal Cancer". <i>Cancer Research</i> , 2016 , 76, 4309-10	10.1	3

(2016-2016)

815	Pathophysiological basis of human papillomavirus in penile cancer: Key to prevention and delivery of more effective therapies. 2016 , 66, 481-495	40
814	SLC25A22 Promotes Proliferation and Survival of Colorectal Cancer Cells With KRAS Mutations and Xenograft Tumor Progression in Mice via Intracellular Synthesis of Aspartate. 2016 , 151, 945-960.e6	65
813	Utility of KRAS mutation detection using circulating cell-free DNA from patients with colorectal cancer. 2016 , 107, 936-43	62
812	Expression of the chemokine CXCL14 and cetuximab-dependent tumour suppression in head and neck squamous cell carcinoma. 2016 , 5, e240	14
811	Clinical Implications and Future Perspectives of Circulating Tumor Cells and Biomarkers in Clinical Outcomes of Colorectal Cancer. 2016 , 9, 340-7	26
810	The Multidisciplinary Management of Colorectal Cancer: Present and Future Paradigms. 2016 , 29, 232-8	14
809	Patterns of Biologics Use Across Treatment Lines in Elderly (Age >65) Medicare Patients With Metastatic Colon Cancer. 2016 , 21, 676-83	7
808	Clinical implications of routine genomic mutation sequencing in PIK3CA/AKT1 and KRAS/NRAS/BRAF in metastatic breast cancer. 2016 , 160, 69-77	13
807	Brazilian health-care policy for targeted oncology therapies and companion diagnostic testing. 2016 , 17, e363-e370	6
806	Multiplex Droplet Digital PCR Quantification of Recurrent Somatic Mutations in Diffuse Large B-Cell and Follicular Lymphoma. 2016 , 62, 1238-47	34
805	A phase 3 trial evaluating panitumumab plus best supportive care vs best supportive care in chemorefractory wild-type KRAS or RAS metastatic colorectal cancer. 2016 , 115, 1206-1214	34
804	Assessment of pathological response to therapy using lipid mass spectrometry imaging. 2016 , 6, 36814	26
803	Overcoming dynamic molecular heterogeneity in metastatic colorectal cancer: Multikinase inhibition with regorafenib and the case of rechallenge with anti-EGFR. 2016 , 51, 54-62	19
802	Intrinsic K-Ras dynamics: A novel molecular dynamics data analysis method shows causality between residue pair motions. 2016 , 6, 37012	19
801	Comparison of Next-Generation Sequencing Panels and Platforms for Detection and Verification of Somatic Tumor Variants for Clinical Diagnostics. 2016 , 18, 842-850	32
800	Resistance to Tyrosine Kinase Inhibitors. 2016 ,	1
799	Adaptation of a RAS pathway activation signature from FF to FFPE tissues in colorectal cancer. 2016 , 9, 65	19
798	Patients with genetically heterogeneous synchronous colorectal cancer carry rare damaging germline mutations in immune-related genes. 2016 , 7, 12072	32

797	Low expression of PKCH and high expression of KRAS predict poor prognosis in patients with colorectal cancer. 2016 , 12, 1655-1660	9
796	Implementing personalized medicine with asymmetric information on prevalence rates. 2016 , 6, 35	2
795	Genetic heterogeneity in synchronous colorectal cancers impacts genotyping approaches and therapeutic strategies. 2016 , 55, 268-77	18
794	KSR1 and EPHB4 Regulate Myc and PGC1© Promote Survival of Human Colon Tumors. 2016 , 36, 2246-61	17
793	Molecular Radio-Oncology. 2016 ,	1
792	Stigma and Prejudice. 2016 ,	1
791	Long noncoding RNAs in cancer: mechanisms of action and technological advancements. 2016 , 15, 43	308
790	[Surgery for pulmonary metastases from colorectal cancer: Predictive factors for survival]. 2016 , 33, 838-852	10
789	Evolving landscape of tumor molecular profiling for personalized cancer therapy: a comprehensive review. 2016 , 12, 911-22	41
788	A phase 1b study of Selumetinib in combination with Cisplatin and Gemcitabine in advanced or metastatic biliary tract cancer: the ABC-04 study. 2016 , 16, 153	49
787	Hybridization-Induced Aggregation Technology for Practical Clinical Testing: KRAS Mutation Detection in Lung and Colorectal Tumors. 2016 , 18, 546-53	2
786	Epidermal Growth Factor Receptor Signaling to the Mitogen Activated Protein Kinase Pathway Bypasses Ras in Pancreatic Cancer Cells. 2016 , 45, 286-92	9
785	Droplet digital PCR of circulating tumor cells from colorectal cancer patients can predict KRAS mutations before surgery. 2016 , 10, 1221-31	62
784	Selective I -AR Blockage Suppresses Colorectal Cancer Growth Through Regulation of EGFR-Akt/ERK1/2 Signaling, G1-Phase Arrest, and Apoptosis. 2016 , 231, 459-72	39
783	Perspective for the development of companion diagnostics and regulatory landscape to encourage personalized medicine in Japan. 2016 , 23, 19-23	8
782	Adaptive responses to antibody based therapy. 2016 , 50, 153-63	5
781	CD73-adenosine: a next-generation target in immuno-oncology. 2016 , 8, 145-63	82
780	Epidermal growth factor receptor expression and gene copy number analysis in gastric carcinoma samples from Chinese patients. 2016 , 11, 173-181	5

779	From Molecular Biology to Clinical Trials: Toward Personalized Colorectal Cancer Therapy. 2016 , 15, 104-15	17
778	Investigation of FIH-1 and SOCS3 expression in KRAS mutant and wild-type patients with colorectal cancer. 2016 , 37, 8841-8	7
777	Current and advancing treatments for metastatic colorectal cancer. 2016 , 16, 93-110	26
776	Drug-diagnostic co-development: challenges and issues. 2016 , 16, 187-204	3
775	Rare RAS Mutations in Metastatic Colorectal Cancer Detected During Routine RAS Genotyping Using Next Generation Sequencing. 2016 , 11, 363-70	18
774	Emerging anti-cancer antibodies and combination therapies targeting HER3/ERBB3. 2016, 12, 576-92	35
773	Treatment Algorithms Based on Tumor Molecular Profiling: The Essence of Precision Medicine Trials. 2016 , 108,	60
772	Immune and Stromal Classification of Colorectal Cancer Is Associated with Molecular Subtypes and Relevant for Precision Immunotherapy. 2016 , 22, 4057-66	306
771	A SNaPshot of potentially personalized care: Molecular diagnostics in gynecologic cancer. 2016 , 141, 108-12	6
770	Epidermal growth factor is a potential biomarker for poor cetuximab response in tongue cancer cells. 2016 , 45, 9-16	14
769	Immune Contexture, Immunoscore, and Malignant Cell Molecular Subgroups for Prognostic and Theranostic Classifications of Cancers. 2016 , 130, 95-190	120
768	Comprehensive molecular tumor profiling in radiation oncology: How it could be used for precision medicine. 2016 , 382, 118-126	11
767	G12V and G12A KRAS mutations are associated with poor outcome in patients with metastatic colorectal cancer treated with bevacizumab. 2016 , 37, 6823-30	29
766	Circulating DNA as a Strong Multimarker Prognostic Tool for Metastatic Colorectal Cancer Patient Management Care. 2016 , 22, 3067-77	110
765	Cytotoxicity of allitinib, an irreversible anti-EGFR agent, in a large panel of human cancer-derived cell lines: KRAS mutation status as a predictive biomarker. 2016 , 39, 253-63	25
764	Molecular pathology in real time. 2016 , 35, 129-40	7
763	Anti-EGFR Therapy for Metastatic Colorectal Cancer in the Era of Extended RAS Gene Mutational Analysis. 2016 , 30, 95-104	6
762	Pharmacologic resistance in colorectal cancer: a review. 2016 , 8, 57-84	259

761	Pre-trial inter-laboratory analytical validation of the FOCUS4 personalised therapy trial. 2016 , 69, 35-41	16
760	Afatinib, an Irreversible EGFR Family Inhibitor, Shows Activity Toward Pancreatic Cancer Cells, Alone and in Combination with Radiotherapy, Independent of KRAS Status. 2016 , 11, 371-81	18
759	Targeting KRAS for diagnosis, prognosis, and treatment of pancreatic cancer: Hopes and realities. 2016 , 54, 75-83	107
758	Sensitivity of KRAS-Mutant Colorectal Cancers to Combination Therapy That Cotargets MEK and CDK4/6. 2016 , 22, 405-14	54
757	Predictive value of pAKT/PTEN expression in oral squamous cell carcinoma treated with cetuximab-based chemotherapy. 2016 , 121, 67-72	13
756	Anti-HER3 Monoclonal Antibody Inhibits Acquired Trastuzumab-Resistant Gynecologic Cancers. 2016 , 15, 573-82	6
755	NRASQ61R Mutation-specific Immunohistochemistry is Highly Specific for Either NRASQ61R or KRASQ61R Mutation in Colorectal Carcinoma. 2017 , 25, 475-480	9
754	STAT3 signaling mediates tumour resistance to EGFR targeted therapeutics. 2017 , 451, 15-23	32
753	Droplet-Based Microfluidics Digital PCR for the Detection of KRAS Mutations. 2017, 1547, 143-164	7
75 ²	Antibodies for Treatment of Metastatic Colorectal Cancer. 2017, 217-244	
751	Present Situation and Prospect of Diagnosis and Treatment of Colorectal Cancer. 2017, 1-16	
75°	Strategies to design clinical studies to identify predictive biomarkers in cancer research. 2017 , 53, 79-97	64
749	Multiplex Detection of KRAS Mutations Using Passive Droplet Fusion. 2017, 1547, 133-142	1
748	Patient subgroup identification for clinical drug development. 2017 , 36, 1414-1428	26
747	Effect of KRAS and BRAF Mutations on Survival of Metastatic Colorectal Cancer After Liver Resection: A Systematic Review and Meta-Analysis. 2017 , 16, e153-e163	70
746	Colorectal Cancer Metastasis. 2017 , 95-116	1
745	Chemotherapy in Patients with Initially Unresectable Liver Metastasis of Colorectal Cancer. 2017, 213-223	
744	Unravelling the pharmacologic opportunities and future directions for targeted therapies in gastro-intestinal cancers Part 1: GI carcinomas. 2017 , 174, 145-172	19

La glillique somatique des tumeurs solides, un incontournable 🗓 lle de la melecine de preision. **2017**, 72, 217-230

742	Endoscopic ultrasound-guided fine-needle aspirate-derived preclinical pancreatic cancer models reveal panitumumab sensitivity in KRAS wild-type tumors. 2017 , 140, 2331-2343	23
741	BRAF-Mutated Colorectal Cancer: What Is the Optimal Strategy for Treatment?. 2017 , 18, 9	41
740	From single-molecule detection to next-generation sequencing: microfluidic droplets for high-throughput nucleic acid analysis. 2017 , 21, 58	34
739	Cancer genomics guide clinical practice in personalized medicine. 2017 , 72, 439-451	8
738	Molecular dissection of colorectal cancer in pre-clinical models identifies biomarkers predicting sensitivity to EGFR inhibitors. 2017 , 8, 14262	177
737	Subgroups and prognostication in stage III colon cancer: future perspectives for adjuvant therapy. 2017 , 28, 958-968	53
736	Overall survival of patients with KRAS wild-type tumor treated with FOLFOX/FORFIRI´cetuximab as the first-line treatment for metastatic colorectal cancer: A meta-analysis. 2017 , 96, e6335	5
735	Circulating DNA Demonstrates Convergent Evolution and Common Resistance Mechanisms during Treatment of Colorectal Cancer. 2017 , 23, 4578-4591	58
734	A branch-migration based fluorescent probe for straightforward, sensitive and specific discrimination of DNA mutations. 2017 , 45, e90	20
733	Combating mutations in genetic disease and drug resistance: understanding molecular mechanisms to guide drug design. 2017 , 12, 553-563	19
732	Antibody targeting intracellular oncogenic Ras mutants exerts anti-tumour effects after systemic administration. 2017 , 8, 15090	91
731	Improving Antibody-Based Cancer Therapeutics Through Glycan Engineering. 2017, 31, 151-166	42
730	Mouse PDX Trial Suggests Synergy of Concurrent Inhibition of RAF and EGFR in Colorectal Cancer with or Mutations. 2017 , 23, 5547-5560	32
729	A Novel Combination Treatment Targeting BCL-X and MCL1 for -mutated and -amplified Colorectal Cancers. 2017 , 16, 2178-2190	12
728	Phase I study of temsirolimus in combination with cetuximab in patients with advanced solid tumours. 2017 , 81, 81-89	9
727	Preparing pathology for precision medicine: challenges and opportunities. 2017 , 471, 141-146	6
726	Mechanisms of Molecular Carcinogenesis IVolume 2. 2017 ,	1

725	Materials and microfluidics: enabling the efficient isolation and analysis of circulating tumour cells. 2017 , 46, 4245-4280		101
724	Genetic and epigenetic markers in colorectal cancer screening: recent advances. 2017, 17, 665-685		15
723	Drug-biomarker co-development in oncology - 20 years and counting. 2017 , 30, 48-62		38
722	Plasticity of Resistance and Sensitivity to Anti-Epidermal Growth Factor Receptor Inhibitors in Metastatic Colorectal Cancer. 2018 , 249, 145-159		1
721	Comprehensive somatic genome alterations of urachal carcinoma. 2017 , 54, 572-578		20
720	Current and future biomarkers in the treatment of colorectal cancer. 2017 , 72, 103-115		21
719	Loopback rolling circle amplification for ultrasensitive detection of Kras gene. 2017, 164, 511-517		16
718	EGFR Gene Amplification and KRAS Mutation Predict Response to Combination Targeted Therapy in Metastatic Colorectal Cancer. 2017 , 23, 673-677		23
717	Cetuximab Resistance in Head and Neck Cancer Is Mediated by EGFR-K Polymorphism. <i>Cancer Research</i> , 2017 , 77, 1188-1199	10.1	53
716	Microchip Diagnostics. 2017 ,		
716 715	Microchip Diagnostics. 2017, Immunotherapy for Gastrointestinal Cancer. 2017,		O
			0
715	Immunotherapy for Gastrointestinal Cancer. 2017 , Influence of the HER receptor ligand system on sensitivity to cetuximab and trastuzumab in gastric		
715 714	Immunotherapy for Gastrointestinal Cancer. 2017, Influence of the HER receptor ligand system on sensitivity to cetuximab and trastuzumab in gastric cancer cell lines. 2017, 143, 573-600 International Interlaboratory Digital PCR Study Demonstrating High Reproducibility for the		11
715 714 713	Immunotherapy for Gastrointestinal Cancer. 2017, Influence of the HER receptor ligand system on sensitivity to cetuximab and trastuzumab in gastric cancer cell lines. 2017, 143, 573-600 International Interlaboratory Digital PCR Study Demonstrating High Reproducibility for the Measurement of a Rare Sequence Variant. 2017, 89, 1724-1733 Lifetime alcohol intake is associated with an increased risk of KRAS+ and BRAF-/KRAS- but not		11 31
715 714 713 712	Immunotherapy for Gastrointestinal Cancer. 2017, Influence of the HER receptor ligand system on sensitivity to cetuximab and trastuzumab in gastric cancer cell lines. 2017, 143, 573-600 International Interlaboratory Digital PCR Study Demonstrating High Reproducibility for the Measurement of a Rare Sequence Variant. 2017, 89, 1724-1733 Lifetime alcohol intake is associated with an increased risk of KRAS+ and BRAF-/KRAS- but not BRAF+ colorectal cancer. 2017, 140, 1485-1493		11 31 20
715 714 713 712 711	Immunotherapy for Gastrointestinal Cancer. 2017, Influence of the HER receptor ligand system on sensitivity to cetuximab and trastuzumab in gastric cancer cell lines. 2017, 143, 573-600 International Interlaboratory Digital PCR Study Demonstrating High Reproducibility for the Measurement of a Rare Sequence Variant. 2017, 89, 1724-1733 Lifetime alcohol intake is associated with an increased risk of KRAS+ and BRAF-/KRAS- but not BRAF+ colorectal cancer. 2017, 140, 1485-1493 Multidisciplinary Management of Liver Metastases in Colorectal Cancer. 2017, Clinical relevance of molecular diagnostics in gastrointestinal (GI) cancer: European Society of Digestive Oncology (ESDO) expert discussion and recommendations from the 17th European		11 31 20 3

707	Molecular stratification of colorectal cancer populations and its use in directing precision medicine. 2017 , 2, 205-215	3
706	Bayesian, Utility-Based, Adaptive Enrichment Designs with Frequentist Error Control. 2017 , 105-123	
7 ⁰ 5	Building Translational Research Infrastructure and Access to Expertise for Biomarker Discovery in Cancer. 2017 , 1-25	1
704	Covalent binding design strategy: A prospective method for discovery of potent targeted anticancer agents. 2017 , 142, 493-505	26
703	ANO9/TMEM16J promotes tumourigenesis via EGFR and is a novel therapeutic target for pancreatic cancer. 2017 , 117, 1798-1809	24
702	The Case for Laboratory Developed Procedures: Quality and Positive Impact on Patient Care. 2017 , 4, 2374289517708309	17
701	Superior Properties of Fc-comprising scTRAIL Fusion Proteins. 2017 , 16, 2792-2802	25
700	Establishing PNB-qPCR for quantifying minimal ctDNA concentrations during tumour resection. 2017 , 7, 8876	4
699	Molecular profiling of locally-advanced rectal adenocarcinoma using microRNA expression (Review). 2017 , 51, 393-404	9
698	Multiplexed enrichment of rare DNA variants via sequence-selective and temperature-robust amplification. 2017 , 1, 714-723	47
697	Simple and rapid LC-MS/MS method for the absolute determination of cetuximab in human serum using an immobilized trypsin. 2017 , 146, 266-272	23
696	[Detection of RAS genes mutation using the Cobas method in a private laboratory of pathology: Medical and economical study in comparison to a public platform of molecular biology of cancer]. 2017 , 104, 662-674	2
695	Molecular imaging in drug development: Update and challenges for radiolabeled antibodies and nanotechnology. 2017 , 130, 23-35	24
694	Patient-Derived Xenografts as Cancer Models for Preclinical Drug Screening. 2017 , 141-154	1
693	Precision Oncology: Present Status and Perspectives. 2017 , 7-26	
692	Cetuximab promotes SN38 sensitivity via suppression of heat shock protein 27 in colorectal cancer cells with wild-type RAS. 2017 , 38, 926-932	3
691	Next-Generation Sequencing in Diagnostic Pathology. 2017 , 84, 292-305	15
690	Bi-specific molecule against EGFR and death receptors simultaneously targets proliferation and death pathways in tumors. 2017 , 7, 2602	21

689	Epidermal growth factor receptor (EGFR) inhibitors for metastatic colorectal cancer. 2017, 6, CD007047	42
688	Effect of the Addition of Cetuximab to Paclitaxel, Cisplatin, and Radiation Therapy for Patients With Esophageal Cancer: The NRG Oncology RTOG 0436 Phase 3 Randomized Clinical Trial. 2017 , 3, 1520-152	8 ¹⁰⁷
687	Gemcitabine combined with the monoclonal antibody nimotuzumab is an active first-line regimen in KRAS wildtype patients with locally advanced or metastatic pancreatic cancer: a multicenter, randomized phase IIb study. 2017 , 28, 2429-2435	61
686	Patient-Derived Xenograft Models of Human Cancer. 2017,	5
685	The Role of BEAMing and Digital PCR for Multiplexed Analysis in Molecular Oncology in the Era of Next-Generation Sequencing. 2017 , 21, 587-600	24
684	Clinical utility of circulating DNA analysis for rapid detection of actionable mutations to select metastatic colorectal patients for anti-EGFR treatment. 2017 , 28, 2149-2159	73
683	Connecting cancer biology and clinical outcomes to imaging in KRAS mutant and wild-type colorectal cancer liver tumors following selective internal radiation therapy with yttrium-90. 2017 , 42, 451-459	12
682	Mutant KRAS Status Is Associated with Increased KRAS Copy Number Imbalance: a Potential Mechanism of Molecular Heterogeneity. 2017 , 23, 417-423	3
681	Targeting Oncoproteins for Molecular Cancer Therapy. 2017 , 727-756	
680	Detection of Mismatch Repair Deficiency and Microsatellite Instability in Colorectal Adenocarcinoma by Targeted Next-Generation Sequencing. 2017 , 19, 84-91	100
680 679		100
	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017,	
679	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017, 8, 580-590	2
679 678	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017, 8, 580-590 The MACC1-SPON2 axis: a new biomarker and therapeutic target in colorectal cancer. 2017, 36, 1474-1475 Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by	2
679 678 677	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017, 8, 580-590 The MACC1-SPON2 axis: a new biomarker and therapeutic target in colorectal cancer. 2017, 36, 1474-1475 Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. 2017, 23, 387-398 K-Ras and its inhibitors towards personalized cancer treatment: Pharmacological and structural	2 8 98
679 678 677 676	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017, 8, 580-590 The MACC1-SPON2 axis: a new biomarker and therapeutic target in colorectal cancer. 2017, 36, 1474-1475 Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. 2017, 23, 387-398 K-Ras and its inhibitors towards personalized cancer treatment: Pharmacological and structural perspectives. 2017, 125, 299-314 Clinical Equipoise for Trials of Novel Biologic Therapies, Therapeutic Success Rates, and Predictors	2 8 98
679 678 677 676	Adenocarcinoma by Targeted Next-Generation Sequencing. 2017, 19, 84-91 Molecular Landscape and Treatment Options for Patients with Metastatic Colorectal Cancer. 2017, 8, 580-590 The MACC1-SPON2 axis: a new biomarker and therapeutic target in colorectal cancer. 2017, 36, 1474-1475 Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. 2017, 23, 387-398 K-Ras and its inhibitors towards personalized cancer treatment: Pharmacological and structural perspectives. 2017, 125, 299-314 Clinical Equipoise for Trials of Novel Biologic Therapies, Therapeutic Success Rates, and Predictors of Success: A Meta-Analysis 2017, 1, 1-12 Significance of Phosphorylated Epidermal Growth Factor Receptor and Its Signal Transducers in	2 8 98 32

671	ErbB Family Signalling: A Paradigm for Oncogene Addiction and Personalized Oncology. 2017, 9,	14
670	Are All Mutations the Same? A Rare Case Report of Coexisting Mutually Exclusive KRAS and BRAF Mutations in a Patient with Metastatic Colon Adenocarcinoma. 2017 , 2017, 2321052	8
669	Identification of "BRAF-Positive" Cases Based on Whole-Slide Image Analysis. 2017, 2017, 3926498	1
668	Measurement of Telomere Length in Colorectal Cancers for Improved Molecular Diagnosis. 2017 , 18,	10
667	Thermodynamic framework to assess low abundance DNA mutation detection by hybridization. 2017 , 12, e0177384	4
666	Comparative Effectiveness of Up To Three Lines of Chemotherapy Treatment Plans for Metastatic Colorectal Cancer. 2017 , 2, 2381468317729650	3
665	Urokinase-type plasminogen activator receptor (uPAR) expression enhances invasion and metastasis in RAS mutated tumors. 2017 , 7, 9388	33
664	Genetic Variations of Selected Genes Using Target Deep Sequencing in Colorectal Cancer Patients. 2017 , 9,	1
663	MicroRNA-326 inhibits melanoma progression by targeting KRAS and suppressing the AKT and ERK signalling pathways. 2018 , 39, 401-410	20
662	Molecular Testing in Colorectal Cancer. 2017 , 305-320	1
662 661	Molecular Testing in Colorectal Cancer. 2017, 305-320 Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017, 8, 100863-100898	1
	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for	
661	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017 , 8, 100863-100898	11
661 660	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017 , 8, 100863-100898 Primary and acquired resistance to biologic therapies in gastrointestinal cancers. 2017 , 8, 499-512	11 9
661 660 659	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017, 8, 100863-100898 Primary and acquired resistance to biologic therapies in gastrointestinal cancers. 2017, 8, 499-512 Molecular Tests for the Choice of Cancer Therapy. 2017, 23, 4794-4806 ATLANTIS - Attractor Landscape Analysis Toolbox for Cell Fate Discovery and Reprogramming.	11 9 6
661 660 659 658	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017, 8, 100863-100898 Primary and acquired resistance to biologic therapies in gastrointestinal cancers. 2017, 8, 499-512 Molecular Tests for the Choice of Cancer Therapy. 2017, 23, 4794-4806 ATLANTIS - Attractor Landscape Analysis Toolbox for Cell Fate Discovery and Reprogramming. 2018, 8, 3554 MODUL-a multicenter randomized clinical trial of biomarker-driven maintenance therapy following first-line standard induction treatment of metastatic colorectal cancer: an adaptable signal-seeking	11 9 6
661 660 659 658	Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence hybridization (FISH) to select the optimal patients for matched therapy?. 2017, 8, 100863-100898 Primary and acquired resistance to biologic therapies in gastrointestinal cancers. 2017, 8, 499-512 Molecular Tests for the Choice of Cancer Therapy. 2017, 23, 4794-4806 ATLANTIS - Attractor Landscape Analysis Toolbox for Cell Fate Discovery and Reprogramming. 2018, 8, 3554 MODUL-a multicenter randomized clinical trial of biomarker-driven maintenance therapy following first-line standard induction treatment of metastatic colorectal cancer: an adaptable signal-seeking approach. 2018, 144, 1197-1204 Impairment of K-Ras signaling networks and increased efficacy of epidermal growth factor receptor	11 9 6 8

653	Resistance of Colorectal Tumors to Anti-EGFR Antibodies. 2018 , 1-27	1
652	Inhibition of DDR1-BCR signalling by nilotinib as a new therapeutic strategy for metastatic colorectal cancer. 2018 , 10,	50
651	Personalized Medicine and Pay for Performance: Should Pharmaceutical Firms be Fully Penalized when Treatment Fails?. 2018 , 36, 733-743	13
650	Clinicopathological, genomic and immunological factors in colorectal cancer prognosis. 2018, 105, e99-e109	25
649	Understanding preanalytical variables and their effects on clinical biomarkers of oncology and immunotherapy. 2018 , 52, 26-38	26
648	The clinical implications of immunogenomics in colorectal cancer: A path for precision medicine. 2018 , 124, 1650-1659	23
647	Simple and Rapid Method to Obtain High-quality Tumor DNA from Clinical-pathological Specimens Using Touch Imprint Cytology. 2018 ,	3
646	Colorectal Cancer. 2018,	
645	SMAD4 gene mutation predicts poor prognosis in patients undergoing resection for colorectal liver metastases. 2018 , 44, 684-692	45
644	Molecular Testing for the Treatment of Advanced Colorectal Cancer: An Overview. 2018 , 1765, 281-297	6
643	Mutant KRAS promotes liver metastasis of colorectal cancer, in part, by upregulating the MEK-Sp1-DNMT1-miR-137-YB-1-IGF-IR signaling pathway. 2018 , 37, 3440-3455	27
642	Effect of HK2, PKM2 and LDHA on Cetuximab efficacy in metastatic colorectal cancer. 2018 , 15, 5553-5560	8
641	Tissue Phenomics for prognostic biomarker discovery in low- and intermediate-risk prostate cancer. 2018 , 8, 4470	21
640	Biomarker-driven and molecular targeted therapies for colorectal cancers. 2018 , 45, 124-132	7
639	Association between clinicopathological characteristics and RAS mutation in colorectal cancer. 2018 , 31, 517-526	27
638	Impact of RAS Mutations in Metastatic Colorectal Cancer After Potentially Curative Resection: Does Site of Metastases Matter?. 2018 , 25, 179-187	17
637	Use of Liquid Biopsy in Monitoring Colorectal Cancer Progression Shows Strong Clinical Correlation. 2018 , 355, 220-227	15
636	Clinical Presentation and Prognostic Factors in Lung Cancer. 2018 , 186-198.e6	

635	Associations of alcohol intake, smoking, physical activity and obesity with survival following colorectal cancer diagnosis by stage, anatomic site and tumor molecular subtype. 2018 , 142, 238-250	53
634	Precision Medicine from a Public Health Perspective. 2018 , 39, 153-168	54
633	Inhibition of EGFR, HER2, and HER3 signalling in patients with colorectal cancer wild-type for BRAF, PIK3CA, KRAS, and NRAS (FOCUS4-D): a phase 2-3 randomised trial. 2018 , 3, 162-171	37
632	Molecular Markers and Mutational Analysis. 2018 , 295-312	O
631	LGR5 expression is regulated by EGF in early colorectal adenomas and governs EGFR inhibitor sensitivity. 2018 , 118, 558-565	9
630	The Mutational Landscape of Gastrointestinal Malignancies as Reflected by Circulating Tumor DNA. 2018 , 17, 297-305	24
629	Single index methods for evaluation of marker-guided treatment rules based on multivariate marker panels. 2018 , 74, 663-672	1
628	Exploiting Radiation-Induced Signaling to Increase the Susceptibility of Resistant Cancer Cells to Targeted Drugs: AKT and mTOR Inhibitors as an Example. 2018 , 17, 355-367	21
627	Mechanisms of Drug Resistance in Cancer Therapy. 2018 ,	
626	Multidimensional range queries on modern hardware. 2018,	3
625	Unresectable metastatic colorectal cancer patient cured with cetuximab-based chemotherapy: a case report with new molecular insights. 2018 , 9, E23-E27	6
624	Serum level of octanoic acid predicts the efficacy of chemotherapy for colorectal cancer. 2019 , 17, 831-842	7
623	Patient with Lynch syndrome with subsequent development of small bowel adenocarcinoma. 2018 , 2018,	3
622	Construction and characterization of regulated cycle inhibiting factors induced upon Tet-On system in human colon cancer cell lines. 2018 , 29, 854-860	1
621	Acquired and Intrinsic Resistance to Colorectal Cancer Treatment. 2018,	3
620	Different responses of colorectal cancer cells to alternative sequences of cetuximab and oxaliplatin. 2018 , 8, 16579	5
619	Clinical Validation of Newly Developed Multiplex Kit Using Luminex xMAP Technology for Detecting Simultaneous RAS and BRAF Mutations in Colorectal Cancer: Results of the RASKET-B Study. 2018 , 20, 1219-1226	15
618	Whole genome sequencing puts forward hypotheses on metastasis evolution and therapy in colorectal cancer. 2018 , 9, 4782	51

617	miRNAs as Modulators of EGFR Therapy in Colorectal Cancer. 2018 , 1110, 133-147	2
616	Targeted Therapy of Colorectal Cancer Subtypes. 2018,	
615	How the V600E Mutation Defines a Distinct Subgroup of Colorectal Cancer: Molecular and Clinical Implications. 2018 , 2018, 9250757	25
614	Biology of Nodal Spread in Colon Cancer: Insights from Molecular and Genetic Studies. 2018 , 59, 361-370	2
613	Evolution of Cancer Pharmacological Treatments at the Turn of the Third Millennium. 2018, 9, 1300	337
612	The Association of Baseline Serum Tumour Markers with Outcome of Patients with Metastatic Colorectal Cancer Treated with Anti-EGFR Monoclonal Antibodies in the First Line. 2018 , 9, 4255-4262	2
611	GSK3 suppression upregulates Etatenin and c-Myc to abrogate KRas-dependent tumors. 2018 , 9, 5154	47
610	Molecular characterization and biomarker identification in colorectal cancer: Toward realization of the precision medicine dream. 2018 , 10, 5895-5908	12
609	Emerging paradigms in the treatment of liver metastases in colorectal cancer. 2018 , 132, 39-50	11
608	Pharmacogenomic landscape of patient-derived tumor cells informs precision oncology therapy. 2018 , 50, 1399-1411	94
607	Tumor Heterogeneity in Primary Colorectal Cancer and Corresponding Metastases. Does the Apple Fall Far From the Tree?. 2018 , 5, 234	41
606	Copy number load predicts outcome of metastatic colorectal cancer patients receiving bevacizumab combination therapy. 2018 , 9, 4112	36
605	EPA significantly improves anti-EGFR targeted therapy by regulating miR-378 expression in colorectal cancer. 2018 , 16, 6188-6194	5
604	Comprehensive Validation of Snapback Primer-Based Melting Curve Analysis to Detect Nucleotide Variation in the Codon 12 and 13 of KRAS Gene. 2018 , 2018, 8727941	1
603	Combination of BEZ235 and Metformin Has Synergistic Effect on Cell Viability in Colorectal Cancer Cells. 2018 , 22, 133-142	4
602	Circulating Cell-Free DNA and Colorectal Cancer: A Systematic Review. 2018 , 19,	50
601	Ascorbic Acid in Colon Cancer: From the Basic to the Clinical Applications. 2018 , 19,	19
600	Sixteen Years of Experience with the Treatment of Advanced Colorectal Cancer in Iran; A Report from Three Institutions. 2018 , 10, 160-168	4

(2018-2018)

599	Does cardiology hold pharmacogenetics to an inconsistent standard? A comparison of evidence among recommendations. 2018 , 19, 1203-1216	8
598	Personalized Medicine. 2018 , 109-135	3
597	Down-Regulated LncRNA-HOTAIR Suppressed Colorectal Cancer Cell Proliferation, Invasion, and Migration by Mediating p21. 2018 , 63, 2320-2331	23
596	Expression of NOX Family Genes and Their Clinical Significance in Colorectal Cancer. 2018 , 63, 2332-2340	12
595	Colorectal Cancer: Why Does Side Matter?. 2018 , 78, 789-798	26
594	The Role of HGF/MET and MSP/RON Signaling in Tumor Progression and Resistance to Anticancer Therapy. 2018 , 45-68	
593	Validation of a targeted next-generation sequencing approach to detect mismatch repair deficiency in colorectal adenocarcinoma. 2018 , 31, 1882-1890	24
592	Synthetic Lethal Networks for Precision Oncology: Promises and Pitfalls. 2018 , 430, 2900-2912	14
591	Subsequent anti-VEGF therapy after first-line anti-EGFR therapy improved overall survival of patients with metastatic colorectal cancer. 2018 , 11, 465-471	5
590	Clinical update on K-Ras targeted therapy in gastrointestinal cancers. 2018 , 130, 78-91	11
589	Activation of ERBB4 in Glioblastoma Can Contribute to Increased Tumorigenicity and Influence Therapeutic Response. 2018 , 10,	10
588	Predicting treatment benefit in multiple myeloma through simulation of alternative treatment effects. 2018 , 9, 2943	16
587	Molecular Applications in Cytology. 2018 ,	1
586	Using PDX for Preclinical Cancer Drug Discovery: The Evolving Field. 2018, 7,	54
585	Genomic Profiling on an Unselected Solid Tumor Population Reveals a Highly Mutated Wnt/ECatenin Pathway Associated with Oncogenic EGFR Mutations. 2018 , 8,	3
584	Noninvasive Biomarkers of Colorectal Cancer: Role in Diagnosis and Personalised Treatment Perspectives. 2018 , 2018, 2397863	43
583	Downregulation of PIK3CA via antibody-esiRNA-complexes suppresses human xenograft tumor growth. 2018 , 13, e0200163	O
582	Restoring PUMA induction overcomes KRAS-mediated resistance to anti-EGFR antibodies in colorectal cancer. 2018 , 37, 4599-4610	23

581	Linking FOXO3, NCOA3, and TCF7L2 to Ras pathway phenotypes through a genome-wide forward genetic screen in human colorectal cancer cells. 2018 , 10, 2	2
580	Expression of factors and key components associated with the PI3K signaling pathway in colon cancer. 2018 , 15, 5465-5472	6
579	Genetic and epigenetic alterations of colorectal cancer. 2018 , 16, 327-337	60
578	EGFR gene copy number decreases during anti-EGFR antibody therapy in colorectal cancer. 2018 , 82, 163-171	1
577	Evidence-based medicine and precision medicine: Complementary approaches to clinical decision-making. 2018 , 1, 60-64	18
576	Molecular Diagnosis of Human Disease. 2018 , 691-707	1
575	Dose-escalation strategies which use subgroup information. 2018 , 17, 414-436	5
574	A Guanidyl-Based Bivalent Peptidomimetic Inhibits K-Ras Prenylation and Association with c-Raf. 2019 , 25, 13531-13536	5
573	Oncogenic G12D mutation alters local conformations and dynamics of K-Ras. 2019 , 9, 11730	20
572	Immuno-oncology for surgeons. 2019 , 106, 1273-1282	1
572 571	Immuno-oncology for surgeons. 2019 , 106, 1273-1282 A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019 , 11, 109	3
	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently	
571	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019 , 11, 109 Evaluation of KRAS, NRAS and BRAF hotspot mutations detection for patients with metastatic colorectal cancer using direct DNA pipetting in a fully-automated platform and Next-Generation	3
571 570	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019, 11, 109 Evaluation of KRAS, NRAS and BRAF hotspot mutations detection for patients with metastatic colorectal cancer using direct DNA pipetting in a fully-automated platform and Next-Generation Sequencing for laboratory workflow optimisation. 2019, 14, e0219204 Anti-Apoptotic Effects of Docosahexaenoic Acid in IL-1EInduced Human Chondrosarcoma Cell	3
571 570 569	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019, 11, 109 Evaluation of KRAS, NRAS and BRAF hotspot mutations detection for patients with metastatic colorectal cancer using direct DNA pipetting in a fully-automated platform and Next-Generation Sequencing for laboratory workflow optimisation. 2019, 14, e0219204 Anti-Apoptotic Effects of Docosahexaenoic Acid in IL-18Induced Human Chondrosarcoma Cell Death through Involvement of the MAPK Signaling Pathway. 2019, 158, 17-24	3 11 9
571 570 569 568	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019, 11, 109 Evaluation of KRAS, NRAS and BRAF hotspot mutations detection for patients with metastatic colorectal cancer using direct DNA pipetting in a fully-automated platform and Next-Generation Sequencing for laboratory workflow optimisation. 2019, 14, e0219204 Anti-Apoptotic Effects of Docosahexaenoic Acid in IL-1BInduced Human Chondrosarcoma Cell Death through Involvement of the MAPK Signaling Pathway. 2019, 158, 17-24 Application of immune repertoire sequencing in cancer immunotherapy. 2019, 74, 105688 The Predictive Role of Primary Tumour Sidedness in Metastatic Colorectal Cancer Treated With	3 11 9
571 570 569 568 567	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. 2019, 11, 109 Evaluation of KRAS, NRAS and BRAF hotspot mutations detection for patients with metastatic colorectal cancer using direct DNA pipetting in a fully-automated platform and Next-Generation Sequencing for laboratory workflow optimisation. 2019, 14, e0219204 Anti-Apoptotic Effects of Docosahexaenoic Acid in IL-1BInduced Human Chondrosarcoma Cell Death through Involvement of the MAPK Signaling Pathway. 2019, 158, 17-24 Application of immune repertoire sequencing in cancer immunotherapy. 2019, 74, 105688 The Predictive Role of Primary Tumour Sidedness in Metastatic Colorectal Cancer Treated With Targeted Agents. 2019, 39, 5645-5652 Whole genome and biomarker analysis of patients with recurrent glioblastoma on bevacizumab: A	3 11 9 3

563	KRAS codon 12 and 13 mutations may guide the selection of irinotecan or oxaliplatin in first-line treatment of metastatic colorectal cancer. 2019 , 19, 1131-1140	4
562	Prospective Biomarker Study in Advanced RAS Wild-Type Colorectal Cancer: POSIBA Trial (GEMCAD 10-02). 2019 , 24, e1115-e1122	6
561	A comparison of subgroup identification methods in clinical drug development: Simulation study and regulatory considerations. 2019 , 18, 600-626	5
560	Single-Cell Analysis of Circulating Tumor Cells: Why Heterogeneity Matters. 2019 , 11,	34
559	Kras/ADAM17-Dependent Jag1-ICD Reverse Signaling Sustains Colorectal Cancer Progression and Chemoresistance. <i>Cancer Research</i> , 2019 , 79, 5575-5586	.1 12
558	Tumor Intrinsic Efficacy by SHP2 and RTK Inhibitors in KRAS-Mutant Cancers. 2019 , 18, 2368-2380	24
557	Targeted next-generation DNA sequencing identifies Notch signaling pathway mutation as a predictor of radiation response. 2019 , 95, 1640-1647	O
556	Droplet digital PCR revealed high concordance between primary tumors and lymph node metastases in multiplex screening of KRAS mutations in colorectal cancer. 2019 , 19, 219-224	14
555	Alteration of the tumor suppressor SARDH in sporadic colorectal cancer: A functional and transcriptome profiling-based study. 2019 , 58, 957-966	2
554	Anticancer response to disulfiram may be enhanced by co-treatment with MEK inhibitor or oxaliplatin: modulation by tetrathiomolybdate, KRAS/BRAF mutations and c-MYC/p53 status. 2019 , 13, 890	9
553	Beyond EGFR inhibition: multilateral combat strategies to stop the progression of head and neck cancer. 2019 , 51, 1-14	47
552	Peripheral Circulating Tumor DNA Detection Predicts Poor Outcomes After Liver Resection for Metastatic Colorectal Cancer. 2019 , 26, 1824-1832	21
551	The Roles of Common Variation and Somatic Mutation in Cancer Pharmacogenomics. 2019 , 7, 1-32	9
550	CMAB009 plus irinotecan versus irinotecan-only as second-line treatment after fluoropyrimidine and oxaliplatin failure in KRAS wild-type metastatic colorectal cancer patients: promising findings from a prospective, open-label, randomized, phase III trial. 2019 , 39, 28	2
549	Mutation Status of , and is Superior to Mutation Status of Alone for Predicting Prognosis after Resection of Colorectal Liver Metastases. 2019 , 25, 5843-5851	69
548	Dual Farnesyl and Geranylgeranyl Transferase Inhibitor Thwarts Mutant KRAS-Driven Patient-Derived Pancreatic Tumors. 2019 , 25, 5984-5996	24
547	Off-label use of common predictive biomarkers in gastrointestinal malignancies: a critical appraisal. 2019 , 14, 62	4
546	Decoding Metastatic Colorectal Cancer to Improve Clinical Decision Making. 2019 , 37, 1847-1850	2

545	Molecular and histological correlations in liver cancer. 2019 , 71, 616-630	131
544	A personalized platform identifies trametinib plus zoledronate for a patient with KRAS-mutant metastatic colorectal cancer. 2019 , 5, eaav6528	35
543	RAS Mutation Decreases Overall Survival After Optimal Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy of Colorectal Peritoneal Metastasis: A Modification Proposal of the Peritoneal Surface Disease Severity Score. 2019 , 26, 2595-2604	13
542	Evaluation of the Physicochemical and Biological Stability of Cetuximab under Various Stress Condition. 2019 , 22, 171-190	3
541	Emergency Surgical Management of Colorectal Cancer. 2019,	O
540	Predictive and prognostic implications of 4E-BP1, Beclin-1, and LC3 for cetuximab treatment combined with chemotherapy in advanced colorectal cancer with wild-type KRAS: Analysis from real-world data. 2019 , 25, 1840-1853	11
539	Uncommon mutational profiles of metastatic colorectal cancer detected during routine genotyping using next generation sequencing. 2019 , 9, 7083	2
538	Postoperative Oncologic Management of Colorectal Cancer Emergencies. 2019 , 233-239	
537	Diagnostic and prognostic impact of cell-free DNA in human cancers: Systematic review. 2019 , 781, 100-129	14
536	Engineering tumor vasculature on an injection-molded plastic array 3D culture (IMPACT) platform. 2019 , 19, 2071-2080	26
535	ASO Author Reflections: Perioperative Genomic Profiles and Prognosis of Peripheral and Perihepatic Circulating Tumor DNA in Patients with Colorectal Liver Metastases. 2019 , 26, 583-584	
534	Transcriptome Alterations in Liver Metastases of Colorectal Cancer After Acquired Resistance to Cetuximab. 2019 , 16, 207-219	6
533	Exome and immune cell score analyses reveal great variation within synchronous primary colorectal cancers. 2019 , 120, 922-930	4
532	MicroRNA-7 Exerts Antiangiogenic Effect on Colorectal Cancer via ERK Signaling. 2019 , 240, 48-59	12
531	Targeted Therapy in Metastatic Colorectal Cancer: Current Standards and Novel Agents in Review. 2019 , 15, 61-69	15
530	An ultrasensitive and simple fluorescence biosensor for detection of the Kras wild type by using the three-way DNA junction-driven catalyzed hairpin assembly strategy. 2019 , 144, 3088-3093	7
529	Zr-DFO-Cetuximab as a Molecular Imaging Agent to Identify Cetuximab Resistance in Head and Neck Squamous Cell Carcinoma. 2019 , 34, 288-296	5
528	Characterization of early recurrences following liver resection by ALPPS and two stage hepatectomy in patients with colorectal liver-metastases and small future liver remnants; a translational substudy of the LIGRO-RCT. 2019 , 21, 1017-1023	10

527	Use of a Targeted Exome Next-Generation Sequencing Panel Offers Therapeutic Opportunity and Clinical Benefit in a Subset of Patients With Advanced Cancers. 2019 , 3,	6
526	Clinical development of targeted and immune based anti-cancer therapies. 2019, 38, 156	93
525	The Yin and Yang of cancer genes. 2019 , 704, 121-133	9
524	The diagnostic accuracy of circulating free DNA for the detection of KRAS mutation status in colorectal cancer: A meta-analysis. 2019 , 8, 1218-1231	11
523	Clinicopathological characterization of SMAD4-mutated intestinal adenocarcinomas: A case-control study. 2019 , 14, e0212142	12
522	Biomarker concordance between primary colorectal cancer and its metastases. 2019 , 40, 363-374	38
521	MET activation confers resistance to cetuximab, and prevents HER2 and HER3 upregulation in head and neck cancer. 2019 , 145, 748-762	16
520	Integrated routine workflow using next-generation sequencing and a fully-automated platform for the detection of KRAS, NRAS and BRAF mutations in formalin-fixed paraffin embedded samples with poor DNA quality in patients with colorectal carcinoma. 2019 , 14, e0212801	10
519	Small non-coding RNAs as a tool for personalized therapy in familial cancers. 2019 , 179-208	
518	Programmable RNA detection with a fluorescent RNA aptamer using optimized three-way junction formation. 2019 , 25, 590-599	9
517	Heuristics and Explanation in Translational Medicine. 2019 , 62, 675-689	
516	Targeting the EGFR and Immune Pathways in Squamous Cell Carcinoma of the Head and Neck (SCCHN): Forging a New Alliance. 2019 , 18, 1909-1915	13
515	Importance of translational and regulatory sciences (TRS) from the perspective of drug development. 2019 , 1, 4-7	
5 ¹ 4	Personalized Medicine in Oncology Drug Development. 2019 , 1-11	
513	Rare case of triple mutant (KRAS + NRAS + BRAF) metastatic colon adenocarcinoma. 2019 , 12,	3
512	Epidermal growth factor receptor ligands: targets for optimizing treatment of metastatic colorectal cancer. 2019 , 37, 209-225	4
511	From the Broad Phase II Trial to Precision Oncology: A Perspective on the Origins of Basket and Umbrella Clinical Trial Designs in Cancer Drug Development. 2019 , 25, 245-253	3
510	microRNAs Tune Oxidative Stress in Cancer Therapeutic Tolerance and Resistance. 2019 , 20,	12

509	Proteogenomics of Colorectal Cancer Liver Metastases: Complementing Precision Oncology with Phenotypic Data. 2019 , 11,	7
508	Repurposing of Cetuximab in antibody-directed chemotherapy-loaded nanoparticles in EGFR therapy-resistant pancreatic tumours. 2019 , 11, 20261-20273	20
507	Predictive Biomarkers in Metastatic Colorectal Cancer: A Systematic Review. 2019 , 3,	6
506	The location of the primary colon cancer has no impact on outcomes in patients undergoing cytoreductive surgery for peritoneal metastasis. 2019 , 165, 476-484	8
505	Grown on Germinated Soybean Suppresses KRAS-Driven Colorectal Cancer by Inhibiting the RAS/ERK Pathway. 2018 , 11,	9
504	Retreatment with anti-EGFR monoclonal antibodies in metastatic colorectal cancer: Systematic review of different strategies. 2019 , 73, 41-53	44
503	A Pilot Prospective Study of Refractory Solid Tumor Patients for NGS-Based Targeted Anticancer Therapy. 2019 , 12, 301-307	5
502	Current status of immunotherapy in metastatic colorectal cancer. 2019 , 34, 13-25	64
501	Oncologic Outcomes in Metastatic Colorectal Cancer with Regorafenib with FOLFIRI as a Third- or Fourth-Line Setting. 2019 , 12, 502-512	9
500	Development of Isoselenocyanate Compounds' Syntheses and Biological Applications. 2019 , 62, 5261-5275	18
499	Zoledronic acid enhances the efficacy of the MEK inhibitor trametinib in KRAS mutant cancers. 2019 , 442, 202-212	12
498	Diagnostic, prognostic, and therapeutic potency of microRNA 21 in the pathogenesis of colon cancer, current status and prospective. 2019 , 234, 8075-8081	25
497	LncRNA and mRNA signatures associated with neoadjuvant chemoradiotherapy downstaging effects in rectal cancer. 2019 , 120, 5207-5217	14
496	Cancer Immunotherapy: The Dawn of Antibody Cocktails. 2019 , 1904, 11-51	14
495	Practicing Pathology in the Post-genomic Era: Challenges and Opportunities. 2019 , 3-9	
494	HER2-targeted therapy: an emerging strategy in advanced colorectal cancer. 2019 , 28, 29-38	16
493	ERBB2 and KRAS alterations mediate response to EGFR inhibitors in early stage gallbladder cancer. 2019 , 144, 2008-2019	22
492	Targeted therapies in pancreatic cancer: Promises and failures. 2019 , 120, 2726-2741	13

(2020-2019)

491	Clinical Implications of NRAS Overexpression in Resectable Pancreatic Adenocarcinoma Patients. 2019 , 25, 269-278	3
490	Effect of normalization methods on the performance of supervised learning algorithms applied to HTSeq-FPKM-UQ data sets: 7SK RNA expression as a predictor of survival in patients with colon adenocarcinoma. 2019 , 20, 985-994	25
489	Temporal and spatial effects and survival outcomes associated with concordance between tissue and blood KRAS alterations in the pan-cancer setting. 2020 , 146, 566-576	13
488	Meta-GDBP: a high-level stacked regression model to improve anticancer drug response prediction. 2020 , 21, 996-1005	44
487	Prognostic Impact of BRAF and KRAS Mutation in Patients with Colorectal and Appendiceal Peritoneal Metastases Scheduled for CRS and HIPEC. 2020 , 27, 293-300	28
486	Withholding the Introduction of Anti-Epidermal Growth Factor Receptor: Impact on Outcomes in RAS Wild-Type Metastatic Colorectal Tumors: A Multicenter AGEO Study (the WAIT or ACT Study). 2020 , 25, e266-e275	2
485	The extended spectrum of RAS-MAPK pathway mutations in colorectal cancer. 2020 , 59, 152-159	8
484	Pathways of Colorectal Carcinogenesis. 2020 , 158, 291-302	86
483	RNA sequencing for research and diagnostics in clinical oncology. 2020 , 60, 311-323	34
482	Gene mutation and surgical technique: Suggestion or more?. 2020 , 33, 210-215	10
481	Colorectal cancer in Saudi Arabia as the proof-of-principle model for implementing strategies of predictive, preventive, and personalized medicine in healthcare. 2020 , 11, 119-131	13
480	Designing clinical studies for biomarker discovery: The Design criteria. 2020 , 441-466	
479	MicroRNA-141-3p affected proliferation, chemosensitivity, migration and invasion of colorectal cancer cells by targeting EGFR. 2020 , 118, 105643	13
478	Molecular Pathways, Screening and Follow-up of Colorectal Carcinogenesis: An Overview. 2020 , 16, 88-96	1
477	Therapeutic Targeting of the Colorectal Tumor Stroma. 2020 , 158, 303-321	23
476	Implementing anti-epidermal growth factor receptor (EGFR) therapy in metastatic colorectal cancer: challenges and future perspectives. 2020 , 31, 30-40	58
475	Genomics and the History of Precision Oncology. 2020 , 29, 35-49	8
474	SNPs are related to colorectal cancer susceptibility and survival in Chinese people. 2020 , 14, 13-22	1

473	Development and Analytical Validation of a DNA Dual-Strand Approach for the US Food and Drug Administration-Approved Next-Generation Sequencing-Based Praxis Extended RAS Panel for Metastatic Colorectal Cancer Samples. 2020 , 22, 159-178	1
472	Phase II study of gemcitabine, oxaliplatin and capecitabine in patients with KRAS exon 2 mutated biliary tract cancers. 2020 , 59, 298-301	1
471	Mutation Yield of a Custom 212-Gene Next-Generation Sequencing Panel for Solid Tumors: Clinical Experience of the First 260 Cases Tested Using the JAX ActionSeql Assay. 2020 , 24, 103-111	1
470	Novel activating KRAS mutation candidates in lung adenocarcinoma. 2020 , 522, 690-696	1
469	Colorectal Cancer. 2020 , 1219-1280.e15	3
468	EGFR activity addiction facilitates anti-ERBB based combination treatment of squamous bladder cancer. 2020 , 39, 6856-6870	11
467	The Stress-Like Cancer Cell State Is a Consistent Component of Tumorigenesis. 2020, 11, 536-546.e7	22
466	Reliability of digital PCR in detecting KRAS mutation in colorectal cancer using plasma sample: A systematic review and meta-analysis. 2020 , 99, e21171	1
465	Harnessing Omics Approaches on Advanced Preclinical Models to Discovery Novel Therapeutic Targets for the Treatment of Metastatic Colorectal Cancer. 2020 , 12,	О
464	Anti-EGFR therapy in metastatic colorectal cancer: mechanisms and potential regimens of drug resistance. 2020 , 8, 179-191	20
463	and mutations in metastatic colorectal cancer: future perspectives for personalized therapy. 2020 , 8, 192-205	18
462	Personalised mapping of tumour development in synchronous colorectal cancer patients. 2020 , 5, 27	1
461	. 2020,	1
460	Predicting Chemotherapeutic Response for Far-advanced Gastric Cancer by Radiomics with Deep Learning Semi-automatic Segmentation. 2020 , 11, 7224-7236	11
459	The Role of BRAF in Metastatic Colorectal Carcinoma-Past, Present, and Future. 2020, 21,	3
458	Monitoring of Early Changes of Circulating Tumor DNA in the Plasma of Rectal Cancer Patients Receiving Neoadjuvant Concomitant Chemoradiotherapy: Evaluation for Prognosis and Prediction of Therapeutic Response. 2020 , 10, 1028	10
457	Associations between nutritional factors and KRAS mutations in colorectal cancer: a systematic review. 2020 , 20, 696	1
456	Biomarkers in Colorectal Cancer: Current Research and Future Prospects. 2020 , 21,	39

455	Synthetic Lethality through the Lens of Medicinal Chemistry. 2020 , 63, 14151-14183	11
454	Cetuximab in Patients with Breast Cancer, Non-Small Cell Lung Cancer, and Ovarian Cancer Without KRAS, NRAS, or BRAF Mutations: Results from the Targeted Agent and Profiling Utilization Registry (TAPUR) Study. 2020 , 15, 733-741	10
453	Metastatic colon cancer of the small intestine diagnosed using genetic analysis: a case report. 2020 , 15, 106	0
452	Circularized blocker-displacement amplification for multiplex detection of rare DNA variants. 2020 , 56, 12331-12334	4
451	KRAS Inhibition with Sotorasib in Advanced Solid Tumors. 2020 , 383, 1207-1217	469
450	Association of miR-125b, miR-17 and let-7c Dysregulations With Response to Anti-epidermal Growth Factor Receptor Monoclonal Antibodies in Patients With Metastatic Colorectal Cancer. 2020 , 17, 605-613	3
449	Controlled coupling of an ultrapotent auristatin warhead to cetuximab yields a next-generation antibody-drug conjugate for EGFR-targeted therapy of KRAS mutant pancreatic cancer. 2020 , 123, 1502-1512	5
448	Molecular Targets for the Treatment of Metastatic Colorectal Cancer. 2020 , 12,	14
447	Precision Medicine for the Management of Therapy Refractory Colorectal Cancer. 2020, 10,	1
446	The transition from primary colorectal cancer to isolated peritoneal malignancy is associated with an increased tumour mutational burden. 2020 , 10, 18900	Ο
445	Differences in gynecologic tumor development in Amhr2-Cre mice with KRAS or KRAS mutations. 2020 , 10, 20678	4
444	Vitamin C Transporters and Their Implications in Carcinogenesis. 2020 , 12,	5
443	Mutation in Colorectal Cancers: From Prognostic Marker to Targetable Mutation. 2020 , 12,	10
442	Utility of circulating tumor cells and DNA in the management of advanced colorectal cancer. 2020 , 16, 1289-1299	3
441	Emerging RAS, BRAF, and EGFR mutations in cell-free DNA of metastatic colorectal patients are associated with both primary and secondary resistance to first-line anti-EGFR therapy. 2020 , 25, 1523-1532	9
440	Clinical Theragnostic Potential of Diverse miRNA Expressions in Prostate Cancer: A Systematic Review and Meta-Analysis. 2020 , 12,	7
439	The genomic landscape of metastasis in treatment-nalle breast cancer models. 2020 , 16, e1008743	4
438	Technical Evaluation of Commercial Mutation Analysis Platforms and Reference Materials for Liquid Biopsy Profiling. 2020 , 12,	21

437	Immunotherapy, Inflammation and Colorectal Cancer. 2020 , 9,	66
436	Genomic variation as a marker of response to neoadjuvant therapy in locally advanced rectal cancer. 2020 , 7, 1716618	7
435	Comprehensive tumor profiling reveals unique molecular differences between peritoneal metastases and primary colorectal adenocarcinoma. 2020 , 121, 1320-1328	5
434	Causal Evidence and Dispositions in Medicine and Public Health. 2020 , 17,	9
433	A reference profile-free deconvolution method to infer cancer cell-intrinsic subtypes and tumor-type-specific stromal profiles. 2020 , 12, 24	12
432	Clonal Hematopoiesis From Next Generation Sequencing of Plasma From a Patient With Lung Adenocarcinoma: A Case Report. 2020 , 10, 113	1
431	Effectiveness of Vigna unguiculata seed extracts in preventing colorectal cancer. 2020 , 11, 5853-5865	3
430	Active Compound of Semen (Seeds) Suppressed KRAS-Driven Colorectal Cancer and Restored Muscle Cell Function during Cancer Progression. 2020 , 25,	2
429	Roles for receptor tyrosine kinases in tumor progression and implications for cancer treatment. 2020 , 147, 1-57	17
428	Biochemical Markers of Colorectal Cancer - Present and Future. 2020 , 12, 4789-4797	18
427	Novel and Traditional Nonclinical Biomarker Utilization in the Estimation of Pharmaceutical Therapeutic Indices. 2020 , 505-513	
426	Comparison of efficacy and safety for patients with beyond second line treated metastatic colorectal cancer: a network meta-analysis of randomized controlled trials. 2020 , 32, 163-170	2
425	Impact of RAS mutations on the immune infiltrate of colorectal liver metastases: A preliminary study. 2020 , 108, 715-721	6
424	Harnessing Natural Killer Cells Killing Function in Cancer. 2020 , 91-155	
423	Cancer Cells Expressing Oncogenic Rat Sarcoma Show Drug-Addiction Toward Epidermal Growth Factor Receptor Antibodies Mediated by Sustained MAPK Signaling. 2019 , 9, 1559	
422	A Bispecific Inhibitor of the EGFR/ADAM17 Axis Decreases Cell Proliferation and Migration of EGFR-Dependent Cancer Cells. 2020 , 12,	4
421	Molecular profiling for precision cancer therapies. 2020 , 12, 8	180
420	and Mutations as Prognostic and Predictive Biomarkers for Standard Chemotherapy Response in Metastatic Colorectal Cancer: A Single Institutional Study. 2020 , 9,	19

419	Expanding the Scope of Immunotherapy in Colorectal Cancer: Current Clinical Approaches and Future Directions. 2020 , 2020, 9037217	26
418	The heterogeneous clinical and pathological landscapes of metastatic -mutated colorectal cancer. 2020 , 20, 30	22
417	The Clinical Relevance of Frequent Germline Genetic Variants Detected by Targeted Sequencing in Patients With Rectal Adenocarcinoma (READ). 2020 , 17, 291-299	1
416	Metabolic characterization of colorectal cancer cells harbouring different KRAS mutations in codon 12, 13, 61 and 146 using human SW48 isogenic cell lines. 2020 , 16, 51	7
415	Understanding the Prognostic Value of Primary Tumor Location and KRAS in Metastatic Colorectal Cancer: A Post Hoc Analysis of the OPTIMOX3 DREAM Phase III Study. 2020 , 19, 200-208.e1	2
414	Resistance to anti-epidermal growth factor receptor in metastatic colorectal cancer: What does still need to be addressed?. 2020 , 86, 102023	19
413	Effectiveness of first-line cetuximab in wild-type RAS metastatic colorectal cancer according to tumour BRAF mutation status from the EREBUS cohort. 2021 , 87, 1120-1128	2
412	Mutation-Specific and Common Phosphotyrosine Signatures of G12D and G13D Alleles. 2021 , 20, 670-683	7
411	Implementation of personalized medicine in a context of moral hazard and uncertainty about treatment efficacy. 2021 , 21, 81-97	
410	Dacomitinib and gedatolisib in combination with fractionated radiation in head and neck cancer. 2021 , 26, 15-23	3
409	Phase-specific cancer-immune model considering acquired resistance to therapeutic agents. 2021 , 391, 125555	
408	Identification of Two Subgroups of FOLFOX Resistance Patterns and Prediction of FOLFOX Response in Colorectal Cancer Patients. 2021 , 39, 62-72	2
407	Cetuximab plus irinotecan administered biweekly with reduced infusion time to heavily pretreated patients with metastatic colorectal cancer and related RAS and BRAF mutation status. 2020 , 148, 2542	1
406	Targeting antioxidant enzymes enhances the therapeutic efficacy of the BCL-X inhibitor ABT-263 in KRAS-mutant colorectal cancers. 2021 , 497, 123-136	6
405	New advances in the clinical management of RAS and BRAF mutant colorectal cancer patients. 2021 , 15, 65-79	1
404	Trends in epidemiology, treatment and molecular testing of metastatic colorectal cancer in a real-world multi-institution cohort study. 2021 , 17, 84-93	4
403	Systemic therapy in metastatic pancreatic adenocarcinoma: current practice and perspectives. 2021 , 13, 17588359211018539	2
402	Preclinical evaluation of AFM24, a novel CD16A-specific innate immune cell engager targeting EGFR-positive tumors. 2021 , 13, 1950264	6

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400	Deep Tumor Profiling for Molecular Tumor Boards. 2021 , 352-360	
399	New Molecular Targeted Therapy of Metastatic Colorectal Cancer. 2021 , 44, 11-18	
398	Genomic and epigenomic biomarkers in colorectal cancer: From diagnosis to therapy. 2021 , 151, 231-304	
397	Prognostic Value of Autophagy, Microsatellite Instability, and Mutations in Colorectal Cancer. 2021 , 12, 3515-3528	
396	Chemical Approach Toward Controlling of Transient Protein Interactions. 2021 , 77-96	
395	A Multi-Learning Training Approach for Distinguishing Low and High Risk Cancer Patients. 2021 , 9, 115453-11546	5
394	Correlations between serum cetuximab and EGFR-related markers, and skin disorders in head and neck cancer patients. 2021 , 87, 555-565	
393	Developing Novel Anticancer Drugs for Targeted Populations: An Update. 2021 , 27, 250-262	
392	EphA2 and EGFR: Friends in Life, Partners in Crime. Can EphA2 Be a Predictive Biomarker of Response to Anti-EGFR Agents?. 2021 , 13,	
391	Radiogenomics in Colorectal Cancer. 2021 , 13,	
390	HER2 Expression Is Predictive of Survival in Cetuximab Treated Patients with Wild Type Metastatic Colorectal Cancer. 2021 , 13,	
389	Monoclonal antibodies and chimeric antigen receptor (CAR) T cells in the treatment of colorectal cancer. 2021 , 21, 83	
388	Genomic analysis of response to neoadjuvant chemotherapy in esophageal adenocarcinoma.	
387	Clinical oncology research; Review on contemporary methodology standards. 2021 , 45, 100725	
386	Dual Drug Targeting to Kill Colon Cancer Cells.	
385	RAS as a positive predictive biomarker: focus on lung and colorectal cancer patients. 2021 , 146, 74-83	
384	CRISPR screens identify a novel combination treatment targeting BCL-X and WNT signaling for KRAS/BRAF-mutated colorectal cancers. 2021 , 40, 3287-3302	

(2021-2021)

383	A Phase-2 NIH-sponsored Randomized Clinical Trial of Rituximab in Scleroderma-associated Pulmonary Arterial Hypertension Did Not Reach Significance for Its Endpoints: End of Story? Not So Fast!. 2021 , 204, 123-125	2
382	Recent insights in the PI3K/Akt pathway as a promising therapeutic target in combination with EGFR-targeting agents to treat head and neck squamous cell carcinoma. 2022 , 42, 112-155	9
381	Early response in phosphorylation of ribosomal protein S6 is associated with sensitivity to trametinib in colorectal cancer cells. 2021 , 101, 1036-1047	2
380	Pharmacoepidemiology: A time for a new multidisciplinary approach to precision medicine. 2021 , 30, 985-992	
379	Omics analyses in peritoneal metastasis-utility in the management of peritoneal metastases from colorectal cancer and pseudomyxoma peritonei: a narrative review. 2021 , 12, S191-S203	3
378	Global Phosphoproteomics Reveal CDK Suppression as a Vulnerability to KRas Addiction in Pancreatic Cancer. 2021 , 27, 4012-4024	6
377	Oncogenic RAS activity predicts response to chemotherapy and outcome in lung adenocarcinoma.	2
376	Copy Number Variation and Rearrangements Assessment in Cancer: Comparison of Droplet Digital PCR with the Current Approaches. 2021 , 22,	1
375	Comprehensive Clinical and Molecular Characterization of -Mutant Colorectal Cancer. 2021, 5,	7
374	Overcoming Resistance to Tumor-Targeted and Immune-Targeted Therapies. 2021 , 11, 874-899	26
374	Overcoming Resistance to Tumor-Targeted and Immune-Targeted Therapies. 2021 , 11, 874-899 Evolution of the liver biopsy and its future. 2021 , 6, 20	26 4
373	Evolution of the liver biopsy and its future. 2021 , 6, 20	4
373 372	Evolution of the liver biopsy and its future. 2021 , 6, 20 Potential Role of KRAS and BRAF in Epithelial Ovarian Cancer. 2021 , 19, 1	4
373 372 371	Evolution of the liver biopsy and its future. 2021 , 6, 20 Potential Role of KRAS and BRAF in Epithelial Ovarian Cancer. 2021 , 19, 1 Uptake of KRAS Testing and Anti-EGFR Antibody Use for Colorectal Cancer in the VA. 2021 , 5,	1
373 372 371 370	Evolution of the liver biopsy and its future. 2021 , 6, 20 Potential Role of KRAS and BRAF in Epithelial Ovarian Cancer. 2021 , 19, 1 Uptake of KRAS Testing and Anti-EGFR Antibody Use for Colorectal Cancer in the VA. 2021 , 5, Precision oncology in metastatic colorectal cancer - from biology to medicine. 2021 , 18, 506-525 Mutant KRAS triggers functional reprogramming of tumor-associated macrophages in colorectal	4 1 27
373 372 371 370 369	Evolution of the liver biopsy and its future. 2021, 6, 20 Potential Role of KRAS and BRAF in Epithelial Ovarian Cancer. 2021, 19, 1 Uptake of KRAS Testing and Anti-EGFR Antibody Use for Colorectal Cancer in the VA. 2021, 5, Precision oncology in metastatic colorectal cancer - from biology to medicine. 2021, 18, 506-525 Mutant KRAS triggers functional reprogramming of tumor-associated macrophages in colorectal cancer. 2021, 6, 144 Intra-Tumoral Genomic Heterogeneity in Rectal Cancer: Mutational Status Is Dependent on	4 1 27 11

365	Drug sensitivity profile of minor KRAS mutations in colorectal cancer using mix culture assay: The effect of AMG-510, a novel KRAS G12C selective inhibitor, on colon cancer cells is markedly enhanced by the combined inhibition of MEK and BCL-XL. 2021 , 15, 148	1
364	Clinical and prognostic features of patients with detailed RAS/BRAF-mutant colorectal cancer in Japan. 2021 , 21, 518	5
363	Lessons to Learn for Adequate Targeted Therapy Development in Metastatic Colorectal Cancer Patients. 2021 , 22,	1
362	Analysis of KRAS G12/G13 in colorectal cancer using an economical digital PCR assay that unequivocally differentiates missense and synonymous alleles. 2021 , 99, 2554	1
361	EGFR in Cancer: Signaling Mechanisms, Drugs, and Acquired Resistance. 2021 , 13,	23
3 60	International Liver Cancer Association (ILCA) White Paper on Biomarker Development for Hepatocellular Carcinoma. 2021 , 160, 2572-2584	28
359	SK4 oncochannels regulate calcium entry and promote cell migration in KRAS-mutated colorectal cancer. 2021 , 96, 102384	4
358	Mechanisms of Therapeutic Antitumor Monoclonal Antibodies. <i>Cancer Research</i> , 2021 , 81, 4641-4651 10.1	10
357	DNA Mutations via Chern-Simons Currents.	1
356	Nucleic Acid Tests for Clinical Translation. 2021 , 121, 10469-10558	23
355	The diverse molecular profiles of lynch syndrome-associated colorectal cancers are (highly) dependent on underlying germline mismatch repair mutations. 2021 , 163, 103338	0
354	Cancer Genomic Profiling in Colorectal Cancer: Current Challenges in Subtyping Colorectal Cancers Based on Somatic and Germline Variants. 2021 , 5, 213-228	
353	Combination Therapy with KRAS and P38\(\text{H}\) siRNA Suppresses Colorectal Cancer Growth and Development in SW480 Cell Line. 2021 , 1	2
352	4-Acetyl-Antroquinonol B Improves the Sensitization of Cetuximab on Both Kras Mutant and Wild Type Colorectal Cancer by Modulating the Expression of Ras/Raf/miR-193a-3p Signaling Axis. 2021 , 22,	3
351	Genomic Analysis of Response to Neoadjuvant Chemotherapy in Esophageal Adenocarcinoma. 2021 , 13,	О
350	Molecular-genetic mechanisms of the signal cascade RAS-RAF-MEK-ERK associated with the development of the tumor process and the purpose of targeted drugs for colorectal cancer. 2021 , 11, 25-35	
349	Complete pathological response in rectal cancer utilising novel treatment strategies for neo-adjuvant therapy: A systematic review. 2021 , 47, 1862-1874	3

347	Antibody therapy in pancreatic cancer: mAb-ye we're onto something?. 2021, 1876, 188557	0
346	Pan-Cancer Molecular Biomarkers: A Paradigm Shift in Diagnostic Pathology. 2021 , 14, 507-516	Ο
345	Precision Dosing of Targeted Therapies Is Ready for Prime Time. 2021,	1
344	Caveolin-1 and Sox-2 are predictive biomarkers of cetuximab response in head and neck cancer. 2021 , 6,	O
343	Infrequent RAS mutation is not associated with specific histological phenotype in gliomas. 2021 , 21, 1025	1
342	A human antibody against human endothelin receptor type A that exhibits antitumor potency. 2021 , 53, 1437-1448	5
341	Expression Characteristics and Clinical Correlations of BRD1 in Colorectal Cancer Samples. 2021 , 20, 153303	3382:1103967
340	Genomic Alterations of KRAS and NRAS in B&H Colorectal and Non-small Cell Lung Cancer Patients. 2021 , 589-598	
339	Preparation of a novel EGFR specific immunotoxin and its efficacy of anti-colorectal cancer in vitro and in vivo. 2021 , 23, 1549-1560	1
338	A multiplexed, automated immuno-matrix assisted laser desorption/ionization mass spectrometry assay for simultaneous and precise quantitation of PTEN and p110∃ in cell lines and tumor tissues. 2021 , 146, 6566-6575	O
337	Redirecting the Cellular Waste Disposal Machinery to Target Transcription. 2021, 643-663	
336	Update on the role of EGFR inhibitors in cancer therapeutics. 2007 , 135, 257-75	3
335	Genetic Markers in Sporadic Tumors. 2008 , 43-84	2
334	Targeted Therapy in Colorectal Cancer. 2008 , 101-123	2
333	Repeat Hepatectomy for Colorectal Liver Metastases. 2016 , 168, 203-20	2
332	Stratifying Cancer Therapies by Molecular Interactions and Imaging. 2017 , 315-358	1
331	An Introduction to Pharmacogenomics and Personalized Medicine. 2015, 1053-1065	1
330	Molecular Targeting of Growth Factor Receptor Signaling in Radiation Oncology. 2016 , 198, 45-87	2

329	Molecular Prognostic Markers in Colon Cancer. 2010 , 321-341	1
328	Colorectal Cancer. 2014 , 1278-1335.e14	1
327	Methylglyoxal Scavengers Resensitize KRAS-Mutated Colorectal Tumors to Cetuximab. 2020 , 30, 1400-1416	.e6 ₁₁
326	Sorafenib Plus Irinotecan Combination in Patients With RAS-mutated Metastatic Colorectal Cancer Refractory To Standard Combined Chemotherapies: A Multicenter, Randomized Phase 2 Trial (NEXIRI-2/PRODIGE 27). 2020 , 19, 301-310.e1	3
325	Sensitive, enzyme-free and label-free electrochemical sensor for K-ras G12D point mutation detection based on double cascade amplification reaction. 2020 , 870, 114270	3
324	226 ENMC International Workshop:: Towards validated and qualified biomarkers for therapy development for Duchenne muscular dystrophy 20-22 January 2017, Heemskerk, The Netherlands. 2018 , 28, 77-86	8
323	A population of stress-like cancer cells in melanoma promotes tumorigenesis and confers drug resistance.	2
322	Receptor tyrosine kinases exert dominant control over PI3K signaling in human KRAS mutant colorectal cancers. 2011 , 121, 4311-21	159
321	Epidermal growth factor receptor inhibits colitis-associated cancer in mice. 2012 , 122, 2780-92	52
320	KRAS mutation effects on the 2-[18F]FDG PET uptake of colorectal adenocarcinoma metastases in the liver. 2020 , 10, 142	2
319	Overcoming Resistance to Targeted Therapies in Gastrointestinal Cancers: Progress to Date and Progress to Come. 2020 , 40, 161-173	4
318	KRAS mutational analysis for colorectal cancer. Application: pharmacogenomic. 2010, 2,	6
317	Promoter DNA methylation of oncostatin m receptor-beta as a novel diagnostic and therapeutic marker in colon cancer. 2009 , 4, e6555	71
316	Profiling critical cancer gene mutations in clinical tumor samples. 2009 , 4, e7887	295
315	KRAS mutations in primary colorectal cancer tumors and related metastases: a potential role in prediction of lung metastasis. 2009 , 4, e8199	128
314	DNA sequence profiles of the colorectal cancer critical gene set KRAS-BRAF-PIK3CA-PTEN-TP53 related to age at disease onset. 2010 , 5, e13978	85
313	1, 9-Pyrazoloanthrones downregulate HIF-1∃ and sensitize cancer cells to cetuximab-mediated anti-EGFR therapy. 2010 , 5, e15823	14
312	Mutation scanning using MUT-MAP, a high-throughput, microfluidic chip-based, multi-analyte panel. 2012 , 7, e51153	20

311	The Akt inhibitor ISC-4 synergizes with cetuximab in 5-FU-resistant colon cancer. 2013 , 8, e59380	10
310	Oxaliplatin-based chemotherapy is more beneficial in KRAS mutant than in KRAS wild-type metastatic colorectal cancer patients. 2014 , 9, e86789	14
309	Statin use is not associated with improved progression free survival in cetuximab treated KRAS mutant metastatic colorectal cancer patients: results from the CAIRO2 study. 2014 , 9, e112201	24
308	KRAS mutation analysis by PCR: a comparison of two methods. 2015 , 10, e0115672	19
307	Comparison of genetic and epigenetic alterations of primary tumors and matched plasma samples in patients with colorectal cancer. 2015 , 10, e0126417	38
306	Validation of a Multiplex Allele-Specific Polymerase Chain Reaction Assay for Detection of KRAS Gene Mutations in Formalin-Fixed, Paraffin-Embedded Tissues from Colorectal Cancer Patients. 2016 , 11, e0147672	12
305	Heterogeneity of KRAS Mutation Status in Rectal Cancer. 2016 , 11, e0153278	12
304	Expression and Prognostic Significance of Human Epidermal Growth Factor Receptors 1, 2 and 3 in Periampullary Adenocarcinoma. 2016 , 11, e0153533	17
303	Optimized Multiplex Detection of 7 KRAS Mutations by Taqman Allele-Specific qPCR. 2016 , 11, e0163070	6
302	Unforeseen clonal evolution of tumor cell population in recurrent and metastatic dermatofibrosarcoma protuberans. 2017 , 12, e0185826	8
301	A Systematic Literature Review and Meta-Analysis Describing the Prevalence of , and Gene Mutations in Metastatic Colorectal Cancer. 2020 , 13, 184-198	5
300	[The RAS paradox of the EGFR-targeted therapy in colorectal cancer]. 2008, 52, 185-91	2
299	Personalizing Medicine in Head and Neck Squamous Cell Carcinoma: The Rationale for Combination Therapies. 2015 , 3,	12
298	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. 2011 , 3, 192-222	437
297	TIMP-1 is under regulation of the EGF signaling axis and promotes an aggressive phenotype in KRAS-mutated colorectal cancer cells: a potential novel approach to the treatment of metastatic colorectal cancer. 2016 , 7, 59441-59457	5
296	Extracellular domain shedding influences specific tumor uptake and organ distribution of the EGFR PET tracer 89Zr-imgatuzumab. 2016 , 7, 68111-68121	13
295	Lipid phosphatase SHIP2 functions as oncogene in colorectal cancer by regulating PKB activation. 2016 , 7, 73525-73540	33
294	Protein drug target activation homogeneity in the face of intra-tumor heterogeneity: implications for precision medicine. 2017 , 8, 48534-48544	5

293	Preclinical efficacy of Sym004, novel anti-EGFR antibody mixture, in esophageal squamous cell carcinoma cell lines. 2017 , 8, 11020-11029	7
292	ATM mutations and E-cadherin expression define sensitivity to EGFR-targeted therapy in colorectal cancer. 2017 , 8, 17164-17190	17
291	Oncolytic reovirus preferentially induces apoptosis in KRAS mutant colorectal cancer cells, and synergizes with irinotecan. 2014 , 5, 2807-19	29
290	Catalytic mTOR inhibitors can overcome intrinsic and acquired resistance to allosteric mTOR inhibitors. 2014 , 5, 8544-57	46
289	Circulating tumor DNA in early response assessment and monitoring of advanced colorectal cancer treated with a multi-kinase inhibitor. 2018 , 9, 17756-17769	21
288	Induction chemotherapy followed by neoadjuvant chemoradiotherapy and surgery in locally advanced rectal cancer: preliminary results of a phase II study. 2018 , 9, 33702-33709	4
287	Broad-spectrum receptor tyrosine kinase inhibitors overcome and acquired modes of resistance to EGFR-targeted therapies in colorectal cancer. 2019 , 10, 1320-1333	8
286	AMPK-mediated energy homeostasis and associated metabolic effects on cancer cell response and resistance to cetuximab. 2015 , 6, 11507-18	28
285	Clinical next generation sequencing to identify actionable aberrations in a phase I program. 2015 , 6, 20099-17	1038
284	Resistance to EGFR inhibitors: molecular determinants and the enigma of head and neck cancer. 2011 , 2, 894-5	9
283	Sur8/Shoc2 promotes cell motility and metastasis through activation of Ras-PI3K signaling. 2015 , 6, 33091-10	5 22
282	miR-200c inhibits breast cancer proliferation by targeting KRAS. 2015 , 6, 34968-78	58
281	Molecular profiling of cetuximab and bevacizumab treatment of colorectal tumours reveals perturbations in metabolic and hypoxic response pathways. 2015 , 6, 38166-80	13
280	Oncogenic K-ras confers SAHA resistance by up-regulating HDAC6 and c-myc expression. 2016 , 7, 10064-72	19
279	Overcoming resistance of targeted EGFR monotherapy by inhibition of STAT3 escape pathway in soft tissue sarcoma. 2016 , 7, 21496-509	18
278	Identification and characterization of a novel chemotype MEK inhibitor able to alter the phosphorylation state of MEK1/2. 2012 , 3, 1533-45	38
277	Determination of somatic oncogenic mutations linked to target-based therapies using MassARRAY technology. 2016 , 7, 22543-55	9
276	Genomic markers of panitumumab resistance including ERBB2/ HER2 in a phase II study of KRAS wild-type (wt) metastatic colorectal cancer (mCRC). 2016 , 7, 18953-64	9

(2014-2016)

275	Identification and validation of COX-2 as a co-target for overcoming cetuximab resistance in colorectal cancer cells. 2016 , 7, 64766-64777	19
274	Inhibition of pro-HGF activation by SRI31215, a novel approach to block oncogenic HGF/MET signaling. 2016 , 7, 29492-506	23
273	Liquid biopsy monitoring uncovers acquired RAS-mediated resistance to cetuximab in a substantial proportion of patients with head and neck squamous cell carcinoma. 2016 , 7, 42988-42995	49
272	Pharmacogenomics in colorectal cancer: current role in clinical practice and future perspectives. 2018 , 4,	2
271	Genome-wide mutation profiling and related risk signature for prognosis of papillary renal cell carcinoma. 2019 , 7, 427	26
270	First-line targeted therapies in the treatment of metastatic colorectal cancer - role of cetuximab. 2009 , 2, 73-82	3
269	Molecular characterization of head and neck cancer: how close to personalized targeted therapy?. 2012 , 16, 209-22	12
268	Targeting Mutant KRAS for Anticancer Therapy. 2019 , 19, 2098-2113	4
267	Coexistence of and Mutations in Colorectal Cancer: A Case Report Supporting The Concept of Tumoral Heterogeneity. 2017 , 19, 113-117	29
266	Rectal cancer and the pathologist. 2018 , 73, 534-547	3
265	Rectal cancer and the pathologist. 2018, 73, 534-547 KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014, 18, 1-132	3 59
	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review	
265	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014 , 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal	59
265 264	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014 , 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal cancer. 2010 , 17 Suppl 1, S3-17	59 44
265264263	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014 , 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal cancer. 2010 , 17 Suppl 1, S3-17 Pharmacogenomics in colorectal cancer: the first step for individualized-therapy. 2007 , 13, 5888-901 Mechanisms of resistance to anti-EGFR monoclonal antibody treatment in metastatic colorectal	59 44 23
265264263262	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014, 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal cancer. 2010, 17 Suppl 1, S3-17 Pharmacogenomics in colorectal cancer: the first step for individualized-therapy. 2007, 13, 5888-901 Mechanisms of resistance to anti-EGFR monoclonal antibody treatment in metastatic colorectal cancer. 2010, 16, 1177-87 Tumor budding predicts response to anti-EGFR therapies in metastatic colorectal cancer patients.	59 44 23 18
265264263262261	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014, 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal cancer. 2010, 17 Suppl 1, S3-17 Pharmacogenomics in colorectal cancer: the first step for individualized-therapy. 2007, 13, 5888-901 Mechanisms of resistance to anti-EGFR monoclonal antibody treatment in metastatic colorectal cancer. 2010, 16, 1177-87 Tumor budding predicts response to anti-EGFR therapies in metastatic colorectal cancer patients. 2010, 16, 4823-31	59 44 23 18 39
265264263262261260	KRAS mutation testing of tumours in adults with metastatic colorectal cancer: a systematic review and cost-effectiveness analysis. 2014, 18, 1-132 Efficacy of the monoclonal antibody EGFR inhibitors for the treatment of metastatic colorectal cancer. 2010, 17 Suppl 1, S3-17 Pharmacogenomics in colorectal cancer: the first step for individualized-therapy. 2007, 13, 5888-901 Mechanisms of resistance to anti-EGFR monoclonal antibody treatment in metastatic colorectal cancer. 2010, 16, 1177-87 Tumor budding predicts response to anti-EGFR therapies in metastatic colorectal cancer patients. 2010, 16, 4823-31 KRAS mutation testing in metastatic colorectal cancer. 2012, 18, 5171-80 Predictive and prognostic biomarkers with therapeutic targets in advanced colorectal cancer. 2014,	59 44 23 18 39

257	Recent applications of chemosensitivity tests for colorectal cancer treatment. 2014, 20, 16398-408	14
256	Comparative study of mutations in SNP loci of K-RAS, hMLH1 and hMSH2 genes in neoplastic intestinal polyps and colorectal cancer. 2014 , 20, 18338-45	4
255	Anti-epidermal growth factor receptor monoclonal antibodies in metastatic colorectal cancer: a meta-analysis. 2015 , 21, 4365-72	5
254	Tropomyosin-related kinase B/brain derived-neurotrophic factor signaling pathway as a potential therapeutic target for colorectal cancer. 2016 , 22, 490-500	20
253	Mechanisms of resistance to anti-epidermal growth factor receptor inhibitors in metastatic colorectal cancer. 2016 , 22, 6345-61	69
252	Prognostic and predictive biomarkers in metastatic colorectal cancer anti-EGFR therapy. 2016 , 22, 6944-54	47
251	Detection of G12D in colorectal cancer stool by droplet digital PCR. 2017 , 23, 7087-7097	9
250	PLCII-dependent invasion and migration of cells expressing NSCLC-associated EGFR mutants. 2020 , 57, 989-1000	2
249	EGFR gene copy number as a predictive biomarker for resistance to anti-EGFR monoclonal antibodies in metastatic colorectal cancer treatment: a meta-analysis. 2014 , 26, 59-71	10
248	Colorectal carcinoma: Pathologic aspects. 2012 , 3, 153-73	282
248 247	Colorectal carcinoma: Pathologic aspects. 2012 , 3, 153-73 Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013 , 4, 285-98	282
247	Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013 , 4, 285-98	17
² 47	Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013 , 4, 285-98 Markers of resistance to anti-EGFR therapy in colorectal cancer. 2013 , 4, 308-18 Extended RAS testing in metastatic colorectal cancer-Refining the predictive molecular biomarkers.	17 35
247 246 245	Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013 , 4, 285-98 Markers of resistance to anti-EGFR therapy in colorectal cancer. 2013 , 4, 308-18 Extended RAS testing in metastatic colorectal cancer-Refining the predictive molecular biomarkers. 2015 , 6, 314-21 The advent of precision therapy in gastrointestinal malignancies: Targeting the human epidermal	17 35 21
247 246 245	Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013, 4, 285-98 Markers of resistance to anti-EGFR therapy in colorectal cancer. 2013, 4, 308-18 Extended RAS testing in metastatic colorectal cancer-Refining the predictive molecular biomarkers. 2015, 6, 314-21 The advent of precision therapy in gastrointestinal malignancies: Targeting the human epidermal growth factor receptor family in colorectal and esophagogastric cancer. 2014, 13, 13	17 35 21 3
247 246 245 244	Integrating anti-EGFR therapies in metastatic colorectal cancer. 2013, 4, 285-98 Markers of resistance to anti-EGFR therapy in colorectal cancer. 2013, 4, 308-18 Extended RAS testing in metastatic colorectal cancer-Refining the predictive molecular biomarkers. 2015, 6, 314-21 The advent of precision therapy in gastrointestinal malignancies: Targeting the human epidermal growth factor receptor family in colorectal and esophagogastric cancer. 2014, 13, 13 Predictive Modeling of Drug Treatment in the Area of Personalized Medicine. 2015, 14, 95-103 Comparison of KRAS Mutation Assessment in Tumor DNA and Circulating Free DNA in Plasma and	17 35 21 3

(2008-2015)

239	functional imaging. 2015 , 7, 2245-63	8
238	Genomic Profiling of Thyroid Nodules: Current Role for ThyroSeq Next-Generation Sequencing on Clinical Decision-Making. 2017 , 26, 24-35	10
237	Nexus of signaling and endocytosis in oncogenesis driven by non-small cell lung cancer-associated epidermal growth factor receptor mutants. 2014 , 5, 806-23	19
236	Molecular Markers in Sex Differences in Cancer. 2019 , 35, 331-341	15
235	New evidence-based adaptive clinical trial methods for optimally integrating predictive biomarkers into oncology clinical development programs. 2013 , 32, 233-41	2
234	Protocol for the examination of specimens from patients with primary carcinoma of the colon and rectum. 2009 , 133, 1539-51	253
233	The role of KRAS mutation testing in the management of patients with metastatic colorectal cancer. 2009 , 133, 1600-6	92
232	Practical and molecular evaluation of colorectal cancer: new roles for the pathologist in the era of targeted therapy. 2010 , 134, 853-63	12
231	Molecular diagnostics of colorectal cancer. 2011 , 135, 578-87	41
230	Correlation between RAS Test Results and Prognosis of Metastatic Colorectal Cancer Patients: a Report from Western Iran. 2016 , 17, 1729-32	7
229	Therapeutic resistance in cancer: microRNA regulation of EGFR signaling networks. 2013, 10, 192-205	37
228	PPIP5K2 promotes colorectal carcinoma pathogenesis through facilitating DNA homologous recombination repair. 2021 , 40, 6680-6691	
227	Development of a Single Quantum Dot-Mediated FRET Nanosensor for Sensitive Detection of Single-Nucleotide Polymorphism in Cancer Cells. 2021 , 93, 14568-14576	8
226	Everolimus and plicamycin specifically target chemoresistant colorectal cancer cells of the CMS4 subtype. 2021 , 12, 978	1
225	Regulation of signal transduction pathways in colorectal cancer: implications for therapeutic resistance. 2021 , 9, e12338	2
224	Combination treatment. 2007 , 135-140	
223	Anticorps anti-EGFR. 2008, 35-44	
222	Monoclonaux contre inhibiteurs de tyrosine kinase. 2008 , 81-97	

221	Cellular sensitivity to EGF receptor inhibitors. 2008, 340-355
220	The intersection of EGFR and the Ras signaling pathway. 2008 , 84-90
219	Pharmacogenomics in Drug Development: A Pharmaceutical Industry Perspective. 2008, 313-325
218	EGFR Mutations, Other Molecular Alterations Related To Sensitivity to EGFR Inhibitors, and Molecular Testing for EGFR-Targeted Therapies in Non-Small Cell Lung Cancer. 2008 , 281-324
217	PrErequis avant la mise en route dune chimiothEapie pour cancer colorectal. 2009 , 30-46
216	Progress in the treatment of colorectal cancer: the impact of new drugs. 2009 , 176-190
215	The EGFR pathway as an example for genotype: phenotype correlation in tumor genes. 2010 , 576, 341-50
214	Developments in treating metastatic colorectal cancer: Recent international reports from ASCO 2007 and 2008. 2009 , 2, 13-9
213	Targeting colorectal cancer with anti-epidermal growth factor receptor antibodies: focus on panitumumab. 2009 , 2, 161-70
212	Inherent Resistance to Epidermal Growth Factor Receptor Antibodies in Refractory Metastatic Colorectal Cancer. 2009 , 9, 165-174
211	Rational use of cetuximab in the treatment of advanced non-small cell lung cancer. 2009 , 2, 251-60
2 10	[The development of the first line treatment of metastatic colorectal cancer (mCRC)]. 2009, 53, 237-46
209	KRAS Testing in Metastatic Colorectal Cancer: Implications on the Use of Biologic Agents. 2009 , 3, 48-53
208	Pharmacogenetics in Colorectal Cancer. 2010 , 61-86
207	Genetische Aberration, Genexpressionprofile und Epigenetik. 2010 , 67-75
206	Molekulare Diagnostik und Response-Pr∃iktion. 2010 , 187-197
205	Novel and Traditional Nonclinical Biomarker Utilization in the Estimation of Pharmaceutical Therapeutic Indices. 1
204	Practical Gastrointestinal Oncology Correlative Science. 2011 , 43-66

203	Anticancer Drug Development in Pediatric Patients. 2011 , 589-601	
202	Current and Future Methods for Diagnosis of Neoplastic Liver Disease. 2011 , 907-916	
201	Matching cancer genomes to established cell lines for personalized oncology. 2011 , 243-52	6
200	Diagnostic and Prognostic Cancer Biomarkers: From Traditional to Systems Approaches. 2011 , 329-366	
199	The Use of Decision Analysis Tools for the Selection of Clinical Laboratory Tests: Developing Diagnostic and Forecasting Models Using Laboratory Evidence. 2011 , 305-322	1
198	A Single Institutional Experience with Panitumumab in Metastatic Colorectal Cancer. 2012 , 03, 948-955	
197	Predictive Markers in Colon Cancer. 2013 , 1-23	
196	Molecular Pathology of Colon and Small Bowel Cancers: Sporadic Type. 2013 , 131-140	
195	Resistance to the Anti-EGFR Therapy, Beyond KRAS, in Patients with Metastatic Colorectal Cancer. 2013 , 125-141	
194	LBnatomopathologie 🛭 lBe de la mBecine personnalis B: du diagnostic 🖺 la thBanostique. 2013 , 373-384	
193	Les anti-EGFR personnalisಔ selon le statut tumoral KRAS. 2013 , 159-175	
192	Mutational Activation of KRAS and BRAF in Colorectal Cancer. 2013 , 121-156	1
191	Comprehensive Genomic Alterations in Common Cancer Cell Lines Revealed by Exome Sequencing. 2013 , 165-182	
190	The Clinical Significance of Mutations in Colorectal Cancer. 2013 , 231-245	
189	Reinforcement of Appropriate Use of Drugs by Developing Simple Genotyping Methods and Their Clinical Application. 2013 , 39, 61-76	
188	Signal Transduction Inhibitors of the HER Family. 2013 , 17-50	
187	Beyond the standard of care: the role of cytopathology in molecular testing of cancer. 2014 , 160, 273-82	
186	Rationally designed treatment for metastatic colorectal cancer: current drug development strategies. 2014 , 20, 10288-95	3

185	Application of Pharmacogenomics in Global Alzheimer Disease Clinical Trials and Ethical Implications. 2014 , 353-370	
184	Pharmacogenomics and Personalized Medicine: Bridging Genetic Knowledge and Clinical Practice. 2014 , 1-16	
183	Biweekly cetuximab and first-line chemotherapy in chinese patients with k-ras wild-type colorectal cancers. 2014 , 3, 175-8	1
182	Genomic Applications in Colorectal and Pancreatic Tumors. 2015 , 415-434	
181	Portfolio Optimization of Therapies and Their Predictive Biomarkers. 2015 , 155-180	0
180	Pharmacogenetics and Antineoplastic Therapies. 2015 , 275-305	
179	Systemic Treatment for Metastatic or Recurrent Disease. 2015 , 221-244	
178	CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons. 2015 , 4, 160	2
177	Molecular Profiling in Resectable Colorectal Liver Metastases: The Role of KRAS Mutation Status in Assessing Prognosis in the Preoperative Setting. 2015 , 6, 470-4	3
176	Incorporating Clinical Biomarkers into Clinical Trials. 2016 , 57-67	
175	Pharmacology: Cultural and Genetic Considerations. 2016 , 353-374	
174		
	Gastrointestinal Malignancy: Genetic Implications to Clinical Applications. 2016 , 168, 393-479	
173	Gastrointestinal Malignancy: Genetic Implications to Clinical Applications. 2016 , 168, 393-479 Resistance to Tyrosine Kinase Inhibitors in Different Types of Solid Cancer. 2016 , 27-107	
173		2
	Resistance to Tyrosine Kinase Inhibitors in Different Types of Solid Cancer. 2016 , 27-107 CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons.	2
172	Resistance to Tyrosine Kinase Inhibitors in Different Types of Solid Cancer. 2016 , 27-107 CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons. 2015 , 4, 160	
172 171	Resistance to Tyrosine Kinase Inhibitors in Different Types of Solid Cancer. 2016, 27-107 CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons. 2015, 4, 160 An Empirical Analysis of Topic Modeling for Mining Cancer Clinical Notes. An International Inter-Laboratory Digital PCR Study Demonstrates High Reproducibility for the	

(2021-2018)

167	The application of the modern target medications for the treatment of metastatic colorectal cancer. 2018 , 7, 21	
166	Molecular Cytology Applications in Metastases. 2018 , 247-259	
165	Traitement du cancer colorectal mEastatique : ciblage molEulaire. 2018 , 12, 178-183	
164	Principles of Adjuvant and Neoadjuvant Therapy for Locally Advanced Rectal Cancer. 2019, 445-463	
163	Molecular Diagnostics and Genomic Profiling in Individualized Therapies of Gastrointestinal Cancers. 2019 , 613-631	
162	KRAS as Potential Target in Colorectal Cancer Therapy. 2019 , 389-424	Ο
161	Opportunities and challenges of implementing Pharmacogenomics in cancer drug development 2019 , 2, 43-52	Ο
160	GEFT protein expression in digestive tract malignant tumors and its clinical significance. 2019 , 18, 5577-5590	2
159	The genomic landscape of metastasis in treatment-na№e breast cancer models.	
158	Immunohistochemical evaluation of the prognostic and predictive power of epidermal growth factor receptor ligand levels in patients with metastatic colorectal cancer. 2020 , 38, 127-136	
157	DNA Mutations via Chern-Simons Currents. 2021 , 136, 1080	1
156	Evaluation of Therapeutic Targets in Histological Subtypes of Bladder Cancer. 2021 , 22,	4
155	Establishing Novel Molecular Subtypes of Appendiceal Cancer. 2021 , 1	O
154	Carcinomas of the Gastrointestinal Tract. 2021 , 427-472	
153	Identification of a Prognostic Risk Signature of Kidney Renal Clear Cell Carcinoma Based on Regulating the Immune Response Pathway Exploration. 2020 , 2020, 6657013	2
152	Chapter 17: Oncology: Somatic Disease and Pharmacogenomics. 2020 ,	
151	Cancer Imaging with Radiolabeled Monoclonal Antibodies. 2020 , 739-760	2
150	Concordance of acquired mutations between metastatic lesions and liquid biopsy in metastatic colorectal cancer. 2021 , 7, FSO757	

149	Drug-induced epigenomic plasticity reprograms circadian rhythm regulation to drive prostate cancer towards androgen-independence.	О
148	Automated synthesis of F radiolabelled indole containing Oncrasin-like molecules; a comparison of iodonium salts and boronic ester chemistry. 2020 , 5, 23	
147	Resistance to anti-EGFR targeted therapy mediated by oncogenetic mutations in colorectal cancer: Revision of the dogma?. 2020 , 2-2	
146	Molecular testing to optimize therapeutic decision making in advanced colorectal cancer. 2016 , 7, S11-20	7
145	Analysis of KRAS gene mutation associated with infection in patients with gastric cancer. 2019 , 22, 529-533	1
144	[ADAM17 knockdown increases sensitivity of SW480 cells to cetuximad]. 2018 , 38, 1366-1371	1
143	Predictive and prognostic markers in colorectal cancer. 2007 , 1, 237-46	9
142	Cetuximab in the management of colorectal cancer. 2007 , 1, 77-91	12
141	EGFR targeted therapy in non-small cell lung cancer: potential role of cetuximab. 2009, 3, 215-24	24
140	Accomplishments in 2008 in biologic markers for gastrointestinal cancers-focus on colorectal cancer. 2009 , 3, S73-8	2
139	BITC Sensitizes Pancreatic Adenocarcinomas to TRAIL-induced Apoptosis. 2010 , 2009, 45-55	24
138	Current status of treatment of metastatic colorectal cancer with special reference to cetuximab and elderly patients. 2009 , 2, 17-27	3
137	Evolving role of cetuximab in the treatment of colorectal cancer. 2009 , 1, 79-88	3
136	Roles of EGFR and KRAS Mutations in the Treatment Of Patients With Non-Small-Cell Lung Cancer. 2011 , 36, 263-79	14
135	Systematic review of pharmacogenetic testing for predicting clinical benefit to anti-EGFR therapy in metastatic colorectal cancer. 2011 , 1, 650-62	22
134	Cancer immunotherapy takes a multi-faceted approach to kick the immune system into gear. 2011 , 84, 371-80	44
133	A phase I study of cetuximab in combination with gemcitabine and radiation for locally advanced pancreatic cancer. 2012 , 5, 112-8	5
132	Alternate dosing of cetuximab for patients with metastatic colorectal cancer. 2013, 6, 47-55	7

131	colorectal cancer patients. 2014 , 7, 17-26	3
130	Advances in cancer immunotherapy. 2013 , 15, 120-5	8
129	A phase II study of capecitabine, oxaliplatin, bevacizumab and cetuximab in the treatment of metastatic colorectal cancer. 2011 , 31, 255-61	21
128	Establishment of genetically diverse patient-derived xenografts of colorectal cancer. 2014 , 4, 824-37	18
127	Prognostic significance of KRAS gene mutations in colorectal cancerpreliminary study. 2014 , 7, 581-7	41
126	K-ras Mutation in Colorectal Cancer, A Report from Southern Iran. 2015 , 40, 454-60	9
125	Heterochromatin Protein 1 Binding Protein 3 Expression as a Candidate Marker of Intrinsic 5-Fluorouracil Resistance. 2016 , 36, 845-52	2
124	MicroRNA-195 suppresses colorectal cancer cells proliferation via targeting FGF2 and regulating Wnt/Ecatenin pathway. 2016 , 6, 2631-2640	17
123	Molecular Profiles Guide Colorectal Cancer Treatment. 2016 , 33, 50S-53S	1
122	The emerging role of long non-coding RNAs in the drug resistance of colorectal cancer. 2018 , 11, 4735-4743	4
121	Objective Quantitation of EGFR Protein Levels using Quantitative Dot Blot Method for the Prognosis of Gastric Cancer Patients 2021 , 21, 335-351	O
120	Next-Generation Sequencing Targeted Panel in Routine Care for Metastatic Colon Cancers. 2021 , 13,	
119	Depletion of METTL3 alters cellular and extracellular levels of miRNAs containing mA consensus sequences 2021 , 7, e08519	1
118	Exemple des tumeurs digestives. 2008 , 27, 23-27	
117	Dynamic Contrast-Enhanced Magnetic Resonance Imaging for the Prediction of Monoclonal Antibody Tumor Disposition 2022 , 23,	
116	Accl aux tests glifiques en oncologie. 2022 , 206, 433-433	
115	The path to the clinic: a comprehensive review on direct KRAS inhibitors 2022, 41, 27	7
114	Antibody Conjugated PLGA Nanocarriers and Superparmagnetic Nanoparticles for Targeted Delivery of Oxaliplatin to Cells from Colorectal Carcinoma 2022 , 23,	2

113	Comprehensive Molecular Landscape of Cetuximab Resistance in Head and Neck Cancer Cell Lines 2022 , 11,	0
112	A Trial Protocol of Precision Medicine for Patients with RAS Wild Metastatic Colorectal Cancer Using Liquid Biopsy (RAS-liquid Study): A Prospective, Multicenter Observational Study 2022 , 6, 52-57	Ο
111	A Deep Learning solution for triaging patient with cancer from their predicted mutational status using histopathological images.	
110	Metastatic colorectal cancer in both sides of Aegean Sea: practice patterns and outcome 2022 , 1-25	
109	EGFR-Targeted ImmunoPET of UMUC3 Orthotopic Bladder Tumors 2022, 1	1
108	Biomarkers and anti-EGFR therapies for KRAS wild-type metastatic colorectal cancer. 2009 , 11, 737-47	3
107	Biomarker-Driven Adaptive Phase III Clinical Trials. 2021 , 1-12	
106	Distinct Gene Mutations Are Associated With Clinicopathologic Features in Urachal Carcinoma 2022 ,	О
105	Preoperative Neutrophil-BMI Ratio As a Promising New Marker for Predicting Tumor Outcomes in Colorectal Cancer 2022 , 21, 15330338211064077	2
104	is associated with metastasis and glutathione/glycosphingolipid metabolism in colon adenocarcinoma 2022 , 13, 246-255	
103	Adenomyosis as a Risk Factor for Myometrial or Endometrial Neoplasms-Review 2022, 19,	1
102	A randomized controlled trial of surgery and postoperative modified FOLFOX6 versus surgery and perioperative modified FOLFOX6 plus cetuximab in patients with KRAS wild-type resectable colorectal liver metastases: EXPERT study 2022 , 1	1
101	Impact of Delaying the Addition of Anti-EGFR in First Line of RAS Wild-Type Metastatic Colorectal Cancer: A Propensity-Weighted Pooled Data Analysis 2022 , 14,	
100	Multigene Panel Sequencing Reveals Cancer-Specific and Common Somatic Mutations in Colorectal Cancer Patients: An Egyptian Experience. 2022 , 44, 1332-1352	О
99	Colorectal cancer carcinogenesis: From bench to bedside 2022 , 14, 654-663	1
98	The Influence of Oncogenic RAS on Chemotherapy and Radiotherapy Resistance Through DNA Repair Pathways 2022 , 10, 751367	O
97	Landscape of , Associated Genomic Alterations, and Interrelation With Immuno-Oncology Biomarkers in -Mutated Cancers 2022 , 6, e2100245	2
96	Dual drug targeting to kill colon cancers 2022,	O

95	Comprehensive characterization of PTEN mutational profile in a series of 34,129 colorectal cancers 2022 , 13, 1618	3
94	The PI3K/Akt/mTOR axis in colorectal cancer: Oncogenic alterations, non-coding RNAs, therapeutic opportunities, and the emerging role of nanoparticles 2021 ,	4
93	Artificial intelligence, molecular subtyping, biomarkers, and precision oncology. 2021,	1
92	Targeting KRAS G12C with Covalent Inhibitors. 2022 , 6,	1
91	KRAS mutation as a predictor of insufficient trastuzumab efficacy and poor prognosis in HER2-positive advanced gastric cancer 2022 , 1	0
90	Data_Sheet_1.docx. 2020 ,	
89	Table_1.docx. 2020 ,	
88	The HER family as therapeutic targets in colorectal cancer 2022 , 103681	Ο
87	Promoting antibody-dependent cellular phagocytosis for effective macrophage-based cancer immunotherapy 2022 , 8, eabl9171	1
86	Genetic Characteristics of Resectable Colorectal Cancer with Pulmonary Metastasis 2022 , 2022, 2033876	Ο
85	The prognostic value of KRAS mutation in locally advanced rectal cancer 2022, 37, 1199	1
84	Clinical management of metastatic colorectal cancer in the era of precision medicine 2022,	8
83	Mutation of KRAS in colorectal adenocarcinoma in Greenland.	
82	Prdiktive Testung von Tumorgewebe und ihre klinischen Konsequenzen. 2022, 1-15	
81	NK Cell-Based Immunotherapy in Colorectal Cancer. 2022 , 10, 1033	1
80	Drug-induced epigenomic plasticity reprograms circadian rhythm regulation to drive prostate cancer towards androgen-independence.	Ο
79	Prognostic Models Incorporating RAS Mutation to Predict Survival in Patients with Colorectal Liver Metastases: A Narrative Review. 2022 , 14, 3223	0
78	Prognostic and Predictive Value of PIK3CA Mutations in Metastatic Colorectal Cancer.	O

77	Genomic Predictors of Recurrence Patterns After Complete Resection of Colorectal Liver Metastases and Adjuvant Hepatic Artery Infusion Chemotherapy.	O
76	Targeting RAS mutant colorectal cancer with dual inhibition of MEK and CDK4/6.	1
75	Embryologic Origin of the Primary Tumor and RAS Status Predict Survival after Resection of Colorectal Liver Metastases. 2022 , 58, 1100	
74	Anti-cancer therapeutic strategies based on HGF/MET, EpCAM, and tumor-stromal cross talk. 2022 , 22,	1
73	Biomarker-Driven Adaptive Phase III Clinical Trials. 2022, 2367-2378	O
72	Identification of Tissue Types and Gene Mutations From Histopathology Images for Advancing Colorectal Cancer Biology. 2022 , 3, 115-123	O
71	Chapter 21: Oncology: Rasburicase/G6PD Case. 2022 ,	O
70	Abbreviations. 2022,	O
69	Chapter 29: Pharmacogenomics in Ethical and Social Contexts. 2022,	0
68	Appendix 2: Glossary. 2022 ,	O
67	Chapter 27: Rheumatology/Musculoskeletal Pain: Codeine/CYP2D6 Case. 2022 ,	0
66	Chapter 8: Cardiology: Simvastatin/SLCO1B1 Case. 2022 ,	O
65	Chapter 28: Information Resources for Pharmacogenomics. 2022 ,	0
64	Chapter 18: Oncology: Somatic Disease and Pharmacogenomics. 2022 ,	O
63	Chapter 17: Neurology: Fosphenytoin/Phenytoin/CYP2C9, HLA-B Case. 2022 ,	0
62	Chapter 9: Cardiology: Warfarin/CYP2C9, VKORC1, CYP4F2 Case. 2022 ,	O
61	Chapter 25: Rheumatology/Musculoskeletal Pain: Allopurinol/HLA-B Case. 2022 ,	O
60	Chapter 12: Infectious Diseases: Abacavir/HLA-B Case. 2022 ,	O

59	Chapter 15: Infectious Diseases: Gentamicin/MT-RNR1 Case. 2022,	0
58	Pharmacogenomics: Foundations, Competencies, and the Pharmacists (Patient Care Process, 2nd Edition. 2022 ,	Ο
57	Chapter 13: Infectious Diseases: Atazanavir/UGT1A1 Case. 2022 ,	О
56	Chapter 30: Pharmacogenomics and Secondary/Incidental Findings. 2022,	O
55	Chapter 16: Neurology: Carbamazepine/HLA-A, HLA-B Case. 2022 ,	Ο
54	Dedication. 2022,	O
53	Chapter 3: Pharmacogenomics Testing. 2022,	О
52	Identification of hub genes related to CD4+ memory T cell infiltration with gene co-expression network predicts prognosis and immunotherapy effect in colon adenocarcinoma. 13,	O
51	Chapter 24: Metabolic/Respiratory: Ivacaftor/CFTR Case. 2022 ,	O
50	Chapter 23: Psychiatry: Paroxetine/CYP2D6 Case. 2022 ,	O
49	Copyright. 2022 ,	O
48	Chapter 2: Pharmacogenomics: Drug Exposure and Response. 2022,	0
47	Chapter 22: Psychiatry: Amitriptyline/CYP2C19, CYP2D6 Case. 2022 ,	O
46	Chapter 6: The Pharmacists' Patient Care Process (PPCP). 2022,	O
45	Chapter 10: Endocrinology: Glipizide/G6PD Case. 2022,	O
44	Chapter 1: Foundations of Pharmacogenomics. 2022,	O
43	Chapter 20: Oncology: Capecitabine/DPYD Case. 2022 ,	Ο
42	Preface. 2022 ,	O

41	Chapter 14: Infectious Diseases: Voriconazole/CYP2C19 Case. 2022 ,	0
40	Chapter 19: Oncology: Mercaptopurine/TPMT, NUDT15 Case. 2022 ,	O
39	Chapter 7: Cardiology: Clopidogrel/CYP2C19 Case. 2022 ,	0
38	Chapter 4: Pharmacists' Competencies in Genomics. 2022,	O
37	Appendix 1: Competency Connections. 2022,	0
36	Chapter 5: Implementation of Pharmacogenomics across Practice Settings. 2022,	O
35	Chapter 26: Rheumatology/Musculoskeletal Pain: Azathioprine/TPMT, NUDT15; Celecoxib/CYP2C9 Case. 2022 ,	0
34	Chapter 11: Immunology: Tacrolimus/CYP3A5 Case. 2022 ,	O
33	RAS oncogenic activity predicts response to chemotherapy and outcome in lung adenocarcinoma. 2022 , 13,	0
32	Genetic alterations shaping tumor response to anti-EGFR therapies. 2022 , 64, 100863	Ο
32	Genetic alterations shaping tumor response to anti-EGFR therapies. 2022 , 64, 100863 Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022 , 14, 5160	0
	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways	
31	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022 , 14, 5160	1
31	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022 , 14, 5160 Precision Medicine in Oncology Drug Development. 1-15	1 0
31 30 29	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022, 14, 5160 Precision Medicine in Oncology Drug Development. 1-15 Use of Personalized Biomarkers in Metastatic Colorectal Cancer and the Impact of Al. 2022, 14, 4834	1 0
31 30 29 28	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022, 14, 5160 Precision Medicine in Oncology Drug Development. 1-15 Use of Personalized Biomarkers in Metastatic Colorectal Cancer and the Impact of Al. 2022, 14, 4834 Anti-tumor efficacy of a potent and selective non-covalent KRASG12D inhibitor. 2022, 28, 2171-2182 The role of KRAS and NRAS mutation detection in determining the therapy strategy for colorectal	1 0 0
31 30 29 28 27	Emerging Role of ERBB2 in Targeted Therapy for Metastatic Colorectal Cancer: Signaling Pathways to Therapeutic Strategies. 2022, 14, 5160 Precision Medicine in Oncology Drug Development. 1-15 Use of Personalized Biomarkers in Metastatic Colorectal Cancer and the Impact of Al. 2022, 14, 4834 Anti-tumor efficacy of a potent and selective non-covalent KRASG12D inhibitor. 2022, 28, 2171-2182 The role of KRAS and NRAS mutation detection in determining the therapy strategy for colorectal cancer. A PAM-free CRISPR/Cas12a ultra-specific activation mode based on toehold-mediated strand	1 0 0

23	Recruiting Immunity for the Fight against Colorectal Cancer: Current Status and Challenges. 2022 , 23, 13696	О
22	Current concepts of anti-EGFR targeting in metastatic colorectal cancer. 12,	O
21	DNN-PNN: a parallel deep neural network model to improve anticancer drug sensitivity. 2022,	1
20	Mutational Status of SMAD4 and FBXW7 Affects Clinical Outcome in TP53Mutated Metastatic Colorectal Cancer. 2022 , 14, 5921	O
19	ACY1 Downregulation Enhances the Radiosensitivity of Cetuximab-Resistant Colorectal Cancer by Inactivating the Wnt/ECatenin Signaling Pathway. 2022 , 14, 5704	0
18	A review on the role of fatty acids in colorectal cancer progression. 13,	1
17	A narrative review of cancer molecular diagnostics: past, present, and future. Publish Ahead of Print,	O
16	The function of miR-145 in colorectal cancer progression; an updated review on related signaling pathways. 2022 , 154290	O
15	Molecular selection of therapy in metastatic colorectal cancer: the FOCUS4 molecularly stratified RCT. 2022 , 9, 1-92	O
14	Predictive value of vascular endothelial growth factor polymorphisms for maintenance bevacizumab efficacy in metastatic colorectal cancer: an ancillary study of the PRODIGE 9 phase III trial. 2022 , 14, 175883592211413	O
13	Fasting and fasting mimicking diets in cancer prevention and therapy. 2023,	0
12	KRAS mutational analysis: a new supplementary diagnostic tool for extrahepatic biliary stenosis.	O
11	Utilisation des tests gliomiques en oncologie : avis dexperts Franelis selon la mehode Delphi. 2023 ,	O
10	Novel mutant KRAS addiction signature predicts response to the combination of ERBB and MEK inhibitors in lung and pancreatic cancers. 2023 , 106082	O
9	Targeting ERBB2 overcomes resistance to the anti-EGFR therapeutic antibody cetuximab. 2023, 75-81	0
8	Design, synthesis and biological evaluation of 2-((4-sulfamoylphenyl)amino)-pyrrolo[2,3-d]pyrimidine derivatives as CDK inhibitors. 2023 , 38,	O
7	Integrated Decision-Making in the Treatment of Colon-Rectal Cancer: The Case of KRAS-Mutated Tumors. 2023 , 13, 395	0
6	Molecular mechanisms of resistance to the EGFR monoclonal antibody cetuximab. 2023 , 13-27	O

5	MEK1/2 inhibitors AS703026 and AZD6244 may be potential therapies for KRAS-mutated colorectal cancer that is resistant to EGFR monoclonal antibody therapy. 2023 , 145-150	O
4	Case report: Long-term survival in a patient with metastatic colorectal cancer treated with trifluridine/tipiracil in the third-line setting. 13,	O
3	Rechallenge with anti-EGFR therapy to extend the continuum of care in patients with metastatic colorectal cancer. 12,	O
2	The Effect of RAS/BRAF Mutation Status on Prognosis and Relapse Pattern in Early Stage Colon Cancers.	O
1	The Effect of RAS/BRAF Mutation Status on Prognosis and Relapse Pattern in Early Stage Colon Cancers.	О