Raquel Seruca

List of Publications by Citations

210 papers	11,930 citations	58 h-index	101 g-index
212 ext. papers	13,246 ext. citations	6.4 avg, IF	5.63 L-index

#	Paper	IF	Citations
210	BRAF mutations and RET/PTC rearrangements are alternative events in the etiopathogenesis of PTC. *Oncogene*, **2003**, 22, 4578-80	9.2	525
209	Helicobacter pylori and interleukin 1 genotyping: an opportunity to identify high-risk individuals for gastric carcinoma. *Journal of the National Cancer Institute*, **2002**, 94, 1680-7	9.7	475
208	Evaluation of tumor microsatellite instability using five quasimonomorphic mononucleotide repeats and pentaplex PCR. *Gastroenterology*, **2002**, 123, 1804-11	13.3	447
207	A proinflammatory genetic profile increases the risk for chronic atrophic gastritis and gastric carcinoma. *Gastroenterology*, **2003**, 125, 364-71	13.3	415
206	Hereditary diffuse gastric cancer: updated clinical guidelines with an emphasis on germline CDH1 mutation carriers. *Journal of Medical Genetics*, **2015**, 52, 361-74	5.8	385
205	Interleukin 1B and interleukin 1RN polymorphisms are associated with increased risk of gastric carcinoma. *Gastroenterology*, **2001**, 121, 823-9	13.3	365
204	Early gastric cancer in young, asymptomatic carriers of germ-line E-cadherin mutations. *New England Journal of Medicine*, **2001**, 344, 1904-9	59.2	361
203	The prevalence of PIK3CA mutations in gastric and colon cancer. *European Journal of Cancer*, **2005**, 41, 1649-54	7.5	290
202	Familial gastric cancer: genetic susceptibility, pathology, and implications for management. *Lancet Oncology, The*, **2015**, 16, e60-70	21.7	225
201	Model of the early development of diffuse gastric cancer in E-cadherin mutation carriers and its implications for patient screening. *Journal of Pathology*, **2004**, 203, 681-7	9.4	205
200	Determination of the replication error phenotype in human tumors without the requirement for matching normal DNA by analysis of mononucleotide repeat microsatellites. *Genes Chromosomes and Cancer*, **1998**, 21, 101-7	5	174
199	Characterization of a recurrent germ line mutation of the E-cadherin gene: implications for genetic testing and clinical management. *Clinical Cancer Research*, **2005**, 11, 5401-9	12.9	168
198	Germline CDH1 deletions in hereditary diffuse gastric cancer families. *Human Molecular Genetics*, **2009**, 18, 1545-55	5.6	159
197	Identification of CDH1 germline missense mutations associated with functional inactivation of the E-cadherin protein in young gastric cancer probands. *Human Molecular Genetics*, **2003**, 12, 575-82	5.6	145
196	Screening E-cadherin in gastric cancer families reveals germline mutations only in hereditary diffuse gastric cancer kindred. *Human Mutation*, **2002**, 19, 510-7	4.7	142
195	The clinicopathological features of gastric carcinomas with microsatellite instability may be mediated by mutations of different "target genes": a study of the TGFbeta RII, IGFII R, and BAX genes. *American Journal of Pathology*, **1998**, 153, 1211-9	5.8	136
194	Biomarkers for gastric cancer: prognostic, predictive or targets of therapy?. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2014**, 464, 367-78	5.1	132

193	Somatic mutations and deletions of the E-cadherin gene predict poor survival of patients with gastric cancer. *Journal of Clinical Oncology*, **2013**, 31, 868-75	2.2	128
192	Luteolin, quercetin and ursolic acid are potent inhibitors of proliferation and inducers of apoptosis in both KRAS and BRAF mutated human colorectal cancer cells. *Cancer Letters*, **2009**, 281, 162-70	9.9	128
191	Quantification of epigenetic and genetic 2nd hits in CDH1 during hereditary diffuse gastric cancer syndrome progression. *Gastroenterology*, **2009**, 136, 2137-48	13.3	128
190	BRAF-V600E is not involved in the colorectal tumorigenesis of HNPCC in patients with functional MLH1 and MSH2 genes. *Oncogene*, **2005**, 24, 3995-8	9.2	128
189	BRAF mutations characterize colon but not gastric cancer with mismatch repair deficiency. *Oncogene*, **2003**, 22, 9192-6	9.2	121
188	Genetics, pathology, and clinics of familial gastric cancer. *International Journal of Surgical Pathology* , **2006**, 14, 21-33	1.2	120
187	Modulation of E-cadherin function and dysfunction by N-glycosylation. *Cellular and Molecular Life Sciences*, **2011**, 68, 1011-20	10.3	112
186	Epithelial E- and P-cadherins: role and clinical significance in cancer. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2012**, 1826, 297-311	11.2	107
185	Helicobacter pylori infection induces genetic instability of nuclear and mitochondrial DNA in gastric cells. *Clinical Cancer Research*, **2009**, 15, 2995-3002	12.9	107
184	Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities. *Scientific Reports*, **2016**, 6, 18765	4.9	107
183	BRAF, KRAS and PIK3CA mutations in colorectal serrated polyps and cancer: primary or secondary genetic events in colorectal carcinogenesis?. *BMC Cancer*, **2008**, 8, 255	4.8	105
182	Highlights of the EORTC St. Gallen International Expert Consensus on the primary therapy of gastric, gastroesophageal and oesophageal cancer - differential treatment strategies for subtypes of early gastroesophageal cancer. *European Journal of Cancer*, **2012**, 48, 2941-53	7.5	104
181	Sporadic gastric carcinomas with microsatellite instability display a particular clinicopathologic profile. *International Journal of Cancer*, **1995**, 64, 32-6	7.5	103
180	Distinct patterns of KRAS mutations in colorectal carcinomas according to germline mismatch repair defects and hMLH1 methylation status. *Human Molecular Genetics*, **2004**, 13, 2303-11	5.6	102
179	Lack of microRNA-101 causes E-cadherin functional deregulation through EZH2 up-regulation in intestinal gastric cancer. *Journal of Pathology*, **2012**, 228, 31-44	9.4	100
178	Hereditary diffuse gastric cancer: updated clinical practice guidelines. *Lancet Oncology, The*, **2020**, 21, e386-e397	21.7	95
177	Microsatellite instability, mitochondrial DNA large deletions, and mitochondrial DNA mutations in gastric carcinoma. *Genes Chromosomes and Cancer*, **2001**, 32, 136-43	5	91
176	E-Cadherin (CDH1) and p53 rather than SMAD4 and Caspase-10 germline mutations contribute to genetic predisposition in Portuguese gastric cancer patients. *European Journal of Cancer*, **2004**, 40, 1897-903	7.5	87

175	Intragenic deletion of CDH1 as the inactivating mechanism of the wild-type allele in an HDGC tumour. *Oncogene*, **2004**, 23, 2236-40	9.2	86
174	CagA associates with c-Met, E-cadherin, and p120-catenin in a multiproteic complex that suppresses Helicobacter pylori-induced cell-invasive phenotype. *Journal of Infectious Diseases*, **2009** , 200, 745-55	7	84
173	The role of N-acetylglucosaminyltransferase III and V in the post-transcriptional modifications of E-cadherin. *Human Molecular Genetics*, **2009**, 18, 2599-608	5.6	82
172	Allele-specific CDH1 downregulation and hereditary diffuse gastric cancer. *Human Molecular Genetics*, **2010**, 19, 943-52	5.6	81
171	Loss of heterozygosity and promoter methylation, but not mutation, may underlie loss of TFF1 in gastric carcinoma. *Laboratory Investigation*, **2002**, 82, 1319-26	5.9	80
170	Loss and recovery of Mgat3 and GnT-III Mediated E-cadherin N-glycosylation is a mechanism involved in epithelial-mesenchymal-epithelial transitions. *PLoS ONE*, **2012**, 7, e33191	3.7	79
169	E-cadherin and adherens-junctions stability in gastric carcinoma: functional implications of glycosyltransferases involving N-glycan branching biosynthesis, N-acetylglucosaminyltransferases III and V. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 2690-700	4	79
168	Candidate driver genes in microsatellite-unstable colorectal cancer. *International Journal of Cancer*, **2012**, 130, 1558-66	7.5	78
167	Oncogenic mutations in gastric cancer with microsatellite instability. *European Journal of Cancer*, **2011**, 47, 443-51	7.5	78
166	Helicobacter pylori induces gastric epithelial cell invasion in a c-Met and type IV secretion system-dependent manner. *Journal of Biological Chemistry*, **2006**, 281, 34888-96	5.4	77
165	The intracellular E-cadherin germline mutation V832 M lacks the ability to mediate cell-cell adhesion and to suppress invasion. *Oncogene*, **2003**, 22, 5716-9	9.2	77
164	Gastric cancer: adding glycosylation to the equation. *Trends in Molecular Medicine*, **2013**, 19, 664-76	11.5	75
163	Activated BRAF targets proximal colon tumors with mismatch repair deficiency and MLH1 inactivation. *Genes Chromosomes and Cancer*, **2004**, 39, 138-42	5	73
162	Docosahexaenoic acid inhibits Helicobacter pylori growth in vitro and mice gastric mucosa colonization. *PLoS ONE*, **2012**, 7, e35072	3.7	73
161	EGFR regulates RhoA-GTP dependent cell motility in E-cadherin mutant cells. *Human Molecular Genetics*, **2007**, 16, 1639-47	5.6	72
160	E-cadherin germline missense mutations and cell phenotype: evidence for the independence of cell invasion on the motile capabilities of the cells. *Human Molecular Genetics*, **2003**, 12, 3007-16	5.6	68
159	E-cadherin dysfunction in gastric cancer--cellular consequences, clinical applications and open questions. *FEBS Letters*, **2012**, 586, 2981-9	3.8	63
158	The importance of E-cadherin binding partners to evaluate the pathogenicity of E-cadherin missense mutations associated to HDGC. *European Journal of Human Genetics*, **2013**, 21, 301-9	5.3	62

157	De novo expression of CD44 variants in sporadic and hereditary gastric cancer. *Laboratory Investigation*, **2010**, 90, 1604-14	5.9	60
156	The novel colorectal cancer biomarkers CDO1, ZSCAN18 and ZNF331 are frequently methylated across gastrointestinal cancers. *International Journal of Cancer*, **2015**, 136, 844-53	7.5	59
155	E-cadherin genetic screening and clinico-pathologic characteristics of early onset gastric cancer. *European Journal of Cancer*, **2011**, 47, 631-9	7.5	59
154	E-cadherin mutations and cell motility: a genotype-phenotype correlation. *Experimental Cell Research*, **2009**, 315, 1393-402	4.2	59
153	A model to infer the pathogenic significance of CDH1 germline missense variants. *Journal of Molecular Medicine*, **2006**, 84, 1023-31	5.5	59
152	Endoplasmic reticulum quality control: a new mechanism of E-cadherin regulation and its implication in cancer. *Human Molecular Genetics*, **2008**, 17, 3566-76	5.6	58
151	Specific clinical and biological features characterize inflammatory bowel disease associated colorectal cancers showing microsatellite instability. *Journal of Clinical Oncology*, **2007**, 25, 4231-8	2.2	57
150	Abnormalities of the E-cadherin/catenin adhesion complex in classical papillary thyroid carcinoma and in its diffuse sclerosing variant. *Journal of Pathology*, **2001**, 194, 358-66	9.4	55
149	B-Raf(V600E) cooperates with alternative spliced Rac1b to sustain colorectal cancer cell survival. *Gastroenterology*, **2008**, 135, 899-906	13.3	54
148	P-cadherin functional role is dependent on E-cadherin cellular context: a proof of concept using the breast cancer model. *Journal of Pathology*, **2013**, 229, 705-18	9.4	53
147	P-cadherin is coexpressed with CD44 and CD49f and mediates stem cell properties in basal-like breast cancer. *Stem Cells*, **2012**, 30, 854-64	5.8	53
146	Hereditary gastric cancer. *Baillieres Best Practice and Research in Clinical Gastroenterology*, **2009**, 23, 147-57	2.5	53
145	Causes and consequences of microsatellite instability in gastric carcinogenesis. *World Journal of Gastroenterology*, **2014**, 20, 16433-42	5.6	52
144	Colorectal cancer and RASSF family--a special emphasis on RASSF1A. *International Journal of Cancer* , **2013**, 132, 251-8	7.5	50
143	P-cadherin role in normal breast development and cancer. *International Journal of Developmental Biology*, **2011**, 55, 811-22	1.9	50
142	Microbial-based therapy of cancer: current progress and future prospects. *Bioengineered Bugs*, **2010**, 1, 178-90		50
141	E-cadherin destabilization accounts for the pathogenicity of missense mutations in hereditary diffuse gastric cancer. *PLoS ONE*, **2012**, 7, e33783	3.7	48
140	Cytogenetic findings in eleven gastric carcinomas. *Cancer Genetics and Cytogenetics*, **1993**, 68, 42-8		48

139	i(12p)-negative testicular germ cell tumors. A different group?. *Cancer Genetics and Cytogenetics*, **1988**, 35, 171-8		48
138	Hereditary lobular breast cancer with an emphasis on E-cadherin genetic defect. *Journal of Medical Genetics*, **2018**, 55, 431-441	5.8	47
137	Clinical spectrum and pleiotropic nature of germline mutations. *Journal of Medical Genetics*, **2019**, 56, 199-208	5.8	46
136	MSI phenotype and MMR alterations in familial and sporadic gastric cancer. *International Journal of Cancer*, **2011**, 128, 1606-13	7.5	46
135	Loss of functional E-cadherin renders cells more resistant to the apoptotic agent taxol in vitro. *Experimental Cell Research*, **2005**, 310, 99-104	4.2	46
134	Promoter methylation of TGFbeta receptor I and mutation of TGFbeta receptor II are frequent events in MSI sporadic gastric carcinomas. *Journal of Pathology*, **2003**, 200, 32-8	9.4	46
133	Hyperplastic polyposis and diffuse carcinoma of the stomach. A study of a family. *Cancer*, **1993**, 72, 323-9	6.4	46
132	Target gene mutation profile differs between gastrointestinal and endometrial tumors with mismatch repair deficiency. *Cancer Research*, **2002**, 62, 1609-12	10.1	46
131	Identification of germline mutations in the cancer predisposing gene CDH1 in patients with orofacial clefts. *Human Molecular Genetics*, **2013**, 22, 919-26	5.6	44
130	E-cadherin alterations in hereditary disorders with emphasis on hereditary diffuse gastric cancer. *Progress in Molecular Biology and Translational Science*, **2013**, 116, 337-59	4	44
129	NOD2/CARD15 and TNFA, but not IL1B and IL1RN, are associated with Crohn☹ disease. *Inflammatory Bowel Diseases*, **2005**, 11, 331-9	4.5	44
128	CLMP is required for intestinal development, and loss-of-function mutations cause congenital short-bowel syndrome. *Gastroenterology*, **2012**, 142, 453-462.e3	13.3	43
127	Genetic screening for hereditary diffuse gastric cancer. *Expert Review of Molecular Diagnostics*, **2003**, 3, 201-15	3.8	43
126	Methylation tolerance due to an O6-methylguanine DNA methyltransferase (MGMT) field defect in the colonic mucosa: an initiating step in the development of mismatch repair-deficient colorectal cancers. *Gut*, **2010**, 59, 1516-26	19.2	42
125	Helicobacter pylori infection generates genetic instability in gastric cells. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2010**, 1806, 58-65	11.2	42
124	Concomitant RASSF1A hypermethylation and KRAS/BRAF mutations occur preferentially in MSI sporadic colorectal cancer. *Oncogene*, **2005**, 24, 7630-4	9.2	42
123	MSI-L gastric carcinomas share the hMLH1 methylation status of MSI-H carcinomas but not their clinicopathological profile. *Laboratory Investigation*, **2000**, 80, 1915-23	5.9	41
122	Increasing levels of MYC and MET co-amplification during tumor progression of a case of gastric cancer. *Cancer Genetics and Cytogenetics*, **1995**, 82, 140-5		41

121	Identification of two distinct regions of deletion at 6q in gastric carcinoma. *Genes Chromosomes and Cancer*, **1995**, 14, 28-34	5	41
120	E-cadherin germline mutation carriers: clinical management and genetic implications. *Cancer and Metastasis Reviews*, **2014**, 33, 1081-94	9.6	40
119	Epidermal growth factor receptor structural alterations in gastric cancer. *BMC Cancer*, **2008**, 8, 10	4.8	40
118	The interleukin-8-251*T/*A polymorphism is not associated with risk for gastric carcinoma development in a Portuguese population. *European Journal of Cancer Prevention*, **2008**, 17, 28-32	2	40
117	CPEB1, a novel gene silenced in gastric cancer: a Drosophila approach. *Gut*, **2012**, 61, 1115-23	19.2	38
116	Evidence of tumor microsatellite instability in gastric cancer with familial aggregation. *Familial Cancer*, **2009**, 8, 215-20	3	38
115	BRAF provides proliferation and survival signals in MSI colorectal carcinoma cells displaying BRAF(V600E) but not KRAS mutations. *Journal of Pathology*, **2008**, 214, 320-7	9.4	38
114	Role of pathology in the identification of hereditary diffuse gastric cancer: report of a Portuguese family. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2005**, 446, 181-4	5.1	37
113	Rare Variants in the Epithelial Cadherin Gene Underlying the Genetic Etiology of Nonsyndromic Cleft Lip with or without Cleft Palate. *Human Mutation*, **2015**, 36, 1029-33	4.7	36
112	E-cadherin impairment increases cell survival through Notch-dependent upregulation of Bcl-2. *Human Molecular Genetics*, **2012**, 21, 334-43	5.6	35
111	Predicting the Functional Impact of CDH1 Missense Mutations in Hereditary Diffuse Gastric Cancer. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	32
110	Tumor necrosis factor alpha extended haplotypes and risk of gastric carcinoma. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 2416-20	4	32
109	Role of site-specific promoter hypomethylation in aberrant MUC2 mucin expression in mucinous gastric carcinomas. *Cancer Letters*, **2003**, 189, 129-36	9.9	32
108	Helicobacter pylori infection affects mitochondrial function and DNA repair, thus, mediating genetic instability in gastric cells. *Mechanisms of Ageing and Development*, **2013**, 134, 460-6	5.6	31
107	E-cadherin missense mutations, associated with hereditary diffuse gastric cancer (HDGC) syndrome, display distinct invasive behaviors and genetic interactions with the Wnt and Notch pathways in Drosophila epithelia. *Human Molecular Genetics*, **2006**, 15, 1704-12	5.6	31
106	The Extracellular Matrix: An Accomplice in Gastric Cancer Development and Progression. *Cells*, **2020**, 9,	7.9	29
105	Hereditary diffuse gastric cancer - pathophysiology and clinical management. *Baillieres Best Practice and Research in Clinical Gastroenterology*, **2014**, 28, 1055-68	2.5	29
104	beta-catenin (CTNNB1) gene amplification: a new mechanism of protein overexpression in cancer. *Genes Chromosomes and Cancer*, **2005**, 42, 238-46	5	29

103	Karyotyping and DNA flow cytometry of an orchidoblastoma. *Cancer Genetics and Cytogenetics*, **1988**, 36, 7-11		29
102	CD44 alternative splicing in gastric cancer cells is regulated by culture dimensionality and matrix stiffness. *Biomaterials*, **2016**, 98, 152-62	15.6	29
101	E-cadherin deregulation in breast cancer. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 5930-5936	5.6	29
100	Target gene mutational pattern in Lynch syndrome colorectal carcinomas according to tumour location and germline mutation. *British Journal of Cancer*, **2015**, 113, 686-92	8.7	26
99	The bacterial protein azurin impairs invasion and FAK/Src signaling in P-cadherin-overexpressing breast cancer cell models. *PLoS ONE*, **2013**, 8, e69023	3.7	26
98	A malignant mixed gonadal stromal tumor of the testis with heterologous components and i(12p) in one of its metastases. *Cancer Genetics and Cytogenetics*, **1989**, 41, 105-14		26
97	Familial gastric polyposis revisited. Autosomal dominant inheritance confirmed. *Cancer Genetics and Cytogenetics*, **1991**, 53, 97-100		26
96	Quantification of mutant E-cadherin using bioimaging analysis of in situ fluorescence microscopy. A new approach to CDH1 missense variants. *European Journal of Human Genetics*, **2015**, 23, 1072-9	5.3	25
95	Adherens junctions as targets of microorganisms: a focus on Helicobacter pylori. *FEBS Letters*, **2013** , 587, 259-65	3.8	25
94	Mutant BRAF induces DNA strand breaks, activates DNA damage response pathway, and up-regulates glucose transporter-1 in nontransformed epithelial cells. *American Journal of Pathology*, **2012**, 180, 1179-1188	5.8	25
93	Genetic screening for familial gastric cancer. *Hereditary Cancer in Clinical Practice*, **2004**, 2, 51-64	2.3	25
92	Blue intensity matters for cell cycle profiling in fluorescence DAPI-stained images. *Laboratory Investigation*, **2017**, 97, 615-625	5.9	24
91	Tumour selection advantage of non-dominant negative P53 mutations in homozygotic MDM2-SNP309 colorectal cancer cells. *Journal of Medical Genetics*, **2007**, 44, 75-80	5.8	24
90	Patterns of beta-catenin expression in gastric carcinoma: clinicopathological relevance and mutation analysis. *International Journal of Surgical Pathology*, **2003**, 11, 1-9	1.2	24
89	Colorectal cancer-related mutant KRAS alleles function as positive regulators of autophagy. *Oncotarget*, **2015**, 6, 30787-802	3.3	24
88	Molecular targets and biological modifiers in gastric cancer. *Seminars in Diagnostic Pathology*, **2008**, 25, 274-87	4.3	23
87	High incidence of familial gastric cancer in Tuscany, a region in Italy. *Oncology*, **2007**, 72, 243-7	3.6	23
86	Microsatellite instability in hyperplastic and adenomatous polyps of the stomach **1999**, 86, 1649-1656		23

85	Insulin/IGF-I signaling pathways enhances tumor cell invasion through bisecting GlcNAc N-glycans modulation. an interplay with E-cadherin. *PLoS ONE*, **2013**, 8, e81579	3.7	23
84	O-mannosylation and N-glycosylation: two coordinated mechanisms regulating the tumour suppressor functions of E-cadherin in cancer. *Oncotarget*, **2016**, 7, 65231-65246	3.3	23
83	Proliferation and survival molecules implicated in the inhibition of BRAF pathway in thyroid cancer cells harbouring different genetic mutations. *BMC Cancer*, **2009**, 9, 387	4.8	22
82	ADP-ribosylation factor 6 mediates E-cadherin recovery by chemical chaperones. *PLoS ONE*, **2011**, 6, e23188	3.7	21
81	Mixed lineage kinase 3 gene mutations in mismatch repair deficient gastrointestinal tumours. *Human Molecular Genetics*, **2010**, 19, 697-706	5.6	21
80	Somatic mutations in mismatch repair genes in sporadic gastric carcinomas are not a cause but a consequence of the mutator phenotype. *Cancer Genetics and Cytogenetics*, **2008**, 180, 110-4		21
79	Detection of N-myc amplification in neuroblastomas using Southern blotting on fine needle aspirates. *Acta Cytologica*, **2001**, 45, 169-72	3	21
78	C/EBP alpha expression is associated with homeostasis of the gastric epithelium and with gastric carcinogenesis. *Laboratory Investigation*, **2010**, 90, 1132-9	5.9	20
77	Frequent Ki-ras mutations in gastric tumors of the MSI phenotype. *Gastroenterology*, **2003**, 125, 1282	13.3	20
76	Cytogenetics of a case of osteosarcoma. *Cancer Genetics and Cytogenetics*, **1988**, 32, 149-51		20
75	Therapeutic targets associated to E-cadherin dysfunction in gastric cancer. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 1187-201	6.4	19
74	Crosstalk between Helicobacter pylori and gastric epithelial cells is impaired by docosahexaenoic acid. *PLoS ONE*, **2013**, 8, e60657	3.7	19
73	Hereditary Gastric and Breast Cancer Syndromes Related to CDH1 Germline Mutation: A Multidisciplinary Clinical Review. *Cancers*, **2020**, 12,	6.6	18
72	Clinical utility gene card for: Hereditary diffuse gastric cancer (HDGC). *European Journal of Human Genetics*, **2013**, 21,	5.3	18
71	Mononucleotide precedes dinucleotide repeat instability during colorectal tumour development in Lynch syndrome patients. *Journal of Pathology*, **2009**, 219, 96-102	9.4	18
70	Tetra- and pentanucleotide short tandem repeat instability in gastric cancer. *Electrophoresis*, **1997**, 18, 1633-6	3.6	18
69	Helicobacter pylori cholesterol uptake impacts resistance to docosahexaenoic acid. *International Journal of Medical Microbiology*, **2014**, 304, 314-20	3.7	17
68	ICI 182,780 induces P-cadherin overexpression in breast cancer cells through chromatin remodelling at the promoter level: a role for C/EBPbeta in CDH3 gene activation. *Human Molecular Genetics*, **2010**, 19, 2554-66	5.6	17

67	Gastric cardia carcinoma is associated with the promoter -77T>C gene polymorphism of X-ray cross-complementing group 1 (XRCC1). *Journal of Gastrointestinal Surgery*, **2009**, 13, 2233-8	3.3	17
66	Sequence diversity at the proximal 14q32.1 SERPIN subcluster: evidence for natural selection favoring the pseudogenization of SERPINA2. *Molecular Biology and Evolution*, **2007**, 24, 587-98	8.3	17
65	Substantial reduction of the gastric carcinoma critical region at 6q16.3–q23.1 **1999**, 26, 29-34		17
64	Microsatellite instability in medullary breast carcinomas. *International Journal of Cancer*, **1999**, 82, 644-7	7.5	17
63	DNAJB4 molecular chaperone distinguishes WT from mutant E-cadherin, determining their fate in vitro and in vivo. *Human Molecular Genetics*, **2014**, 23, 2094-105	5.6	16
62	CCAAT/enhancer binding protein (C/EBP) isoforms as transcriptional regulators of the pro-invasive CDH3/P-cadherin gene in human breast cancer cells. *PLoS ONE*, **2013**, 8, e55749	3.7	16
61	Loss of Y chromosome in gastric carcinoma. Fact or artifact?. *Cancer Genetics and Cytogenetics*, **1992**, 61, 39-41		16
60	Targeting the Tumor Microenvironment: An Unexplored Strategy for Mutant KRAS Tumors. *Cancers*, **2019**, 11,	6.6	16
59	E-cadherin-defective gastric cancer cells depend on Laminin to survive and invade. *Human Molecular Genetics*, **2015**, 24, 5891-900	5.6	15
58	Matrix metalloproteases as maestros for the dual role of LPS- and IL-10-stimulated macrophages in cancer cell behaviour. *BMC Cancer*, **2015**, 15, 456	4.8	15
57	The mechanisms underlying MMR deficiency in immunodeficiency-related non-Hodgkin lymphomas are different from those in other sporadic microsatellite instable neoplasms. *International Journal of Cancer*, **2009**, 125, 2360-6	7.5	15
56	MBD4 mutations are rare in gastric carcinomas with microsatellite instability. *Cancer Genetics and Cytogenetics*, **2003**, 145, 103-7		15
55	Cytogenetic study of a combined germ cell tumor of the testis. *Cancer Genetics and Cytogenetics*, **1988**, 35, 159-65		15
54	Quantification of topological features in cell meshes to explore E-cadherin dysfunction. *Scientific Reports*, **2016**, 6, 25101	4.9	15
53	A novel CDH1 germline missense mutation in a sporadic gastric cancer patient in north-east of Italy. *Clinical and Experimental Medicine*, **2013**, 13, 149-57	4.9	14
52	High-throughput molecular profiling of a P-cadherin overexpressing breast cancer model reveals new targets for the anti-cancer bacterial protein azurin. *International Journal of Biochemistry and Cell Biology*, **2014**, 50, 1-9	5.6	14
51	Transcription initiation arising from E-cadherin/CDH1 intron2: a novel protein isoform that increases gastric cancer cell invasion and angiogenesis. *Human Molecular Genetics*, **2012**, 21, 4253-69	5.6	14
50	Dependence of Tensional Homeostasis on Cell Type and on Cell-Cell Interactions. *Cellular and Molecular Bioengineering*, **2018**, 11, 175-184	3.9	13

49	Pathology and genetics of familial gastric cancer. *International Journal of Surgical Pathology*, **2010**, 18, 33S-36S	1.2	13
48	Targets the EPHA2 Receptor Tyrosine Kinase in Gastric Cells Modulating Key Cellular Functions. *Cells*, **2020**, 9,	7.9	12
47	KRAS mutations and anti-epidermal growth factor receptor therapy in colorectal cancer with lymph node metastases. *Journal of Clinical Oncology*, **2009**, 27, 158-9; author reply 159	2.2	12
46	Analysis of microsatellite instability in medulloblastoma. *Neuro-Oncology*, **2009**, 11, 458-67	1	12
45	TP53 germline mutations in Portugal and genetic modifiers of age at cancer onset. *Familial Cancer*, **2009**, 8, 383-90	3	12
44	Genetics of hereditary diffuse gastric cancer: progress and future challenges. *Future Oncology*, **2006**, 2, 363-70	3.6	12
43	In vitro demonstration of intra-locus compensation using the ornithine transcarbamylase protein as model. *Human Molecular Genetics*, **2007**, 16, 2209-14	5.6	12
42	p53 alterations in gastric carcinoma: a study of 56 primary tumors and 204 nodal metastases. *Cancer Genetics and Cytogenetics*, **1994**, 75, 45-50		12
41	Intricate Macrophage-Colorectal Cancer Cell Communication in Response to Radiation. *PLoS ONE*, **2016**, 11, e0160891	3.7	12
40	Targeting the PI3K Signalling as a Therapeutic Strategy in Colorectal Cancer. *Advances in Experimental Medicine and Biology*, **2018**, 1110, 35-53	3.6	12
39	Bilateral apocrine carcinoma of the breast. Molecular and immunocytochemical evidence for two independent primary tumours. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **1998**, 433, 505-9	5.1	11
38	A subset of colorectal carcinomas express c-KIT protein independently of BRAF and/or KRAS activation. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2007**, 450, 619-26	5.1	11
37	Allelic gains and losses in distinct regions of chromosome 6 in gastric carcinoma. *Cancer Genetics and Cytogenetics*, **2001**, 131, 54-9		11
36	Mitochondrial DNA alteration in gastric cancer. *Gastroenterology*, **2000**, 119, 1808-9	13.3	11
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