

Francesca M Buffa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

8,408
citations

49
h-index

90
g-index

170
ext. papers

9,951
ext. citations

8.8
avg. IF

5.51
L-index

#	Paper	IF	Citations
138	hsa-miR-210 Is induced by hypoxia and is an independent prognostic factor in breast cancer. <i>Clinical Cancer Research</i> , 2008 , 14, 1340-8	12.9	555
137	Direct targeting of Sec23a by miR-200s influences cancer cell secretome and promotes metastatic colonization. <i>Nature Medicine</i> , 2011 , 17, 1101-8	50.5	486
136	miR-182-mediated downregulation of BRCA1 impacts DNA repair and sensitivity to PARP inhibitors. <i>Molecular Cell</i> , 2011 , 41, 210-20	17.6	355
135	Fatty acid uptake and lipid storage induced by HIF-1 α contribute to cell growth and survival after hypoxia-reoxygenation. <i>Cell Reports</i> , 2014 , 9, 349-365	10.6	324
134	Large meta-analysis of multiple cancers reveals a common, compact and highly prognostic hypoxia metagene. <i>British Journal of Cancer</i> , 2010 , 102, 428-35	8.7	282
133	Regulation of autophagy by ATF4 in response to severe hypoxia. <i>Oncogene</i> , 2010 , 29, 4424-35	9.2	266
132	Relation of a hypoxia metagene derived from head and neck cancer to prognosis of multiple cancers. <i>Cancer Research</i> , 2007 , 67, 3441-9	10.1	257
131	microRNA-associated progression pathways and potential therapeutic targets identified by integrated mRNA and microRNA expression profiling in breast cancer. <i>Cancer Research</i> , 2011 , 71, 5635-45	10.1	253
130	MicroRNA-210 regulates mitochondrial free radical response to hypoxia and krebs cycle in cancer cells by targeting iron sulfur cluster protein ISCU. <i>PLoS ONE</i> , 2010 , 5, e10345	3.7	243
129	Glucose utilization via glycogen phosphorylase sustains proliferation and prevents premature senescence in cancer cells. <i>Cell Metabolism</i> , 2012 , 16, 751-64	24.6	241
128	The small-nucleolar RNAs commonly used for microRNA normalisation correlate with tumour pathology and prognosis. <i>British Journal of Cancer</i> , 2011 , 104, 1168-77	8.7	217
127	hsa-mir-210 is a marker of tumor hypoxia and a prognostic factor in head and neck cancer. <i>Cancer</i> , 2010 , 116, 2148-58	6.4	193
126	Tumor hypoxia induces nuclear paraspeckle formation through HIF-2 α -dependent transcriptional activation of NEAT1 leading to cancer cell survival. <i>Oncogene</i> , 2015 , 34, 4482-90	9.2	164
125	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. <i>Nature Communications</i> , 2014 , 5, 5203	17.4	164
124	A core human primary tumor angiogenesis signature identifies the endothelial orphan receptor ELTD1 as a key regulator of angiogenesis. <i>Cancer Cell</i> , 2013 , 24, 229-41	24.3	164
123	A 26-gene hypoxia signature predicts benefit from hypoxia-modifying therapy in laryngeal cancer but not bladder cancer. <i>Clinical Cancer Research</i> , 2013 , 19, 4879-88	12.9	143
122	The histone demethylase JMJD2B is regulated by estrogen receptor alpha and hypoxia, and is a key mediator of estrogen induced growth. <i>Cancer Research</i> , 2010 , 70, 6456-66	10.1	141

121	Translation reprogramming is an evolutionarily conserved driver of phenotypic plasticity and therapeutic resistance in melanoma. <i>Genes and Development</i> , 2017 , 31, 18-33	12.6	140
120	The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia. <i>Nature Communications</i> , 2016 , 7, 12308	17.4	122
119	Assessment of tumour hypoxia for prediction of response to therapy and cancer prognosis. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 18-29	5.6	116
118	MicroRNA-10b and breast cancer metastasis. <i>Nature</i> , 2008 , 455, E8-9; author reply E9	50.4	113
117	Transcriptional up-regulation of ULK1 by ATF4 contributes to cancer cell survival. <i>Biochemical Journal</i> , 2013 , 449, 389-400	3.8	111
116	Integrated analysis of microRNA and mRNA expression and association with HIF binding reveals the complexity of microRNA expression regulation under hypoxia. <i>Molecular Cancer</i> , 2014 , 13, 28	42.1	104
115	Phosphorylated ERalpha, HIF-1alpha, and MAPK signaling as predictors of primary endocrine treatment response and resistance in patients with breast cancer. <i>Journal of Clinical Oncology</i> , 2009 , 27, 227-34	2.2	98
114	Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2385-98	15.9	80
113	Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 689-721	5.6	79
112	miR-139-5p Modulates Radiotherapy Resistance in Breast Cancer by Repressing Multiple Gene Networks of DNA Repair and ROS Defense. <i>Cancer Research</i> , 2018 , 78, 501-515	10.1	79
111	Clinical whole-genome sequencing from routine formalin-fixed, paraffin-embedded specimens: pilot study for the 100,000 Genomes Project. <i>Genetics in Medicine</i> , 2018 , 20, 1196-1205	8.1	77
110	Gene Expression Signatures as Biomarkers of Tumour Hypoxia. <i>Clinical Oncology</i> , 2015 , 27, 547-60	2.8	74
109	Estrogen receptor- α directly regulates the hypoxia-inducible factor 1 pathway associated with antiestrogen response in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15172-7	11.5	74
108	Epigenetic downregulation of human disabled homolog 2 switches TGF-beta from a tumor suppressor to a tumor promoter. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2842-57	15.9	74
107	Overexpression of POLQ confers a poor prognosis in early breast cancer patients. <i>Oncotarget</i> , 2010 , 1, 175-84	3.3	74
106	Molecular marker profiles predict locoregional control of head and neck squamous cell carcinoma in a randomized trial of continuous hyperfractionated accelerated radiotherapy. <i>Clinical Cancer Research</i> , 2004 , 10, 3745-54	12.9	72
105	A Gene Signature for Selecting Benefit from Hypoxia Modification of Radiotherapy for High-Risk Bladder Cancer Patients. <i>Clinical Cancer Research</i> , 2017 , 23, 4761-4768	12.9	70
104	Development and Validation of a 28-gene Hypoxia-related Prognostic Signature for Localized Prostate Cancer. <i>EBioMedicine</i> , 2018 , 31, 182-189	8.8	67

103	Human CHCHD4 mitochondrial proteins regulate cellular oxygen consumption rate and metabolism and provide a critical role in hypoxia signaling and tumor progression. <i>Journal of Clinical Investigation</i> , 2012 , 122, 600-11	15.9	65
102	Spectral clustering of microarray data elucidates the roles of microenvironment remodeling and immune responses in survival of head and neck squamous cell carcinoma. <i>Journal of Clinical Oncology</i> , 2010 , 28, 2881-8	2.2	64
101	Gene expression and hypoxia in breast cancer. <i>Genome Medicine</i> , 2011 , 3, 55	14.4	64
100	Pan-cancer characterisation of microRNA across cancer hallmarks reveals microRNA-mediated downregulation of tumour suppressors. <i>Nature Communications</i> , 2018 , 9, 5228	17.4	60
99	FANCD2 limits replication stress and genome instability in cells lacking BRCA2. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 755-757	17.6	57
98	Dichloroacetate reverses the hypoxic adaptation to bevacizumab and enhances its antitumor effects in mouse xenografts. <i>Journal of Molecular Medicine</i> , 2013 , 91, 749-58	5.5	55
97	Integrated Pharmacodynamic Analysis Identifies Two Metabolic Adaption Pathways to Metformin in Breast Cancer. <i>Cell Metabolism</i> , 2018 , 28, 679-688.e4	24.6	55
96	Differential clonal evolution in oesophageal cancers in response to neo-adjuvant chemotherapy. <i>Nature Communications</i> , 2016 , 7, 11111	17.4	54
95	Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine resistance in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12452-12461	11.5	53
94	Alternate RASSF1 Transcripts Control SRC Activity, E-Cadherin Contacts, and YAP-Mediated Invasion. <i>Current Biology</i> , 2015 , 25, 3019-34	6.3	53
93	Hypoxia induces a lipogenic cancer cell phenotype via HIF1 α -dependent and -independent pathways. <i>Oncotarget</i> , 2015 , 6, 1920-41	3.3	50
92	High activity Rhenium-186 HEDP with autologous peripheral blood stem cell rescue: a phase I study in progressive hormone refractory prostate cancer metastatic to bone. <i>British Journal of Cancer</i> , 2002 , 86, 1715-20	8.7	49
91	Development of a tissue array for primary melanoma with long-term follow-up: discovering melanoma cell adhesion molecule as an important prognostic marker. <i>Plastic and Reconstructive Surgery</i> , 2005 , 115, 367-75	2.7	49
90	RASSF1A uncouples Wnt from Hippo signalling and promotes YAP mediated differentiation via p73. <i>Nature Communications</i> , 2018 , 9, 424	17.4	47
89	Dosimetric impact of computed tomography calibration on a commercial treatment planning system for external radiation therapy. <i>Radiotherapy and Oncology</i> , 1998 , 48, 335-8	5.3	47
88	Phase I/II trial of bevacizumab and radiotherapy for locally advanced inoperable colorectal cancer: vasculature-independent radiosensitizing effect of bevacizumab. <i>Clinical Cancer Research</i> , 2009 , 15, 7069-78	12.9	46
87	Genomic alterations underlie a pan-cancer metabolic shift associated with tumour hypoxia. <i>Genome Biology</i> , 2016 , 17, 140	18.3	46
86	Robust prognostic value of a knowledge-based proliferation signature across large patient microarray studies spanning different cancer types. <i>British Journal of Cancer</i> , 2008 , 99, 1884-90	8.7	43

85	Incorporating biologic measurements (SF(2), CFE) into a tumor control probability model increases their prognostic significance: a study in cervical carcinoma treated with radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 50, 1113-22	4	43
84	Hypoxia regulates FGFR3 expression via HIF-1 α and miR-100 and contributes to cell survival in non-muscle invasive bladder cancer. <i>British Journal of Cancer</i> , 2013 , 109, 50-9	8.7	42
83	Assessing early therapeutic response to bevacizumab in primary breast cancer using magnetic resonance imaging and gene expression profiles. <i>Journal of the National Cancer Institute Monographs</i> , 2011 , 2011, 71-4	4.8	40
82	Molecular profiles as predictive marker for the effect of overall treatment time of radiotherapy in supraglottic larynx squamous cell carcinomas. <i>Radiotherapy and Oncology</i> , 2004 , 72, 275-82	5.3	36
81	Gemcitabine-Induced TIMP1 Attenuates Therapy Response and Promotes Tumor Growth and Liver Metastasis in Pancreatic Cancer. <i>Cancer Research</i> , 2017 , 77, 5952-5962	10.1	35
80	Carbonic anhydrase IX induction defines a heterogeneous cancer cell response to hypoxia and mediates stem cell-like properties and sensitivity to HDAC inhibition. <i>Oncotarget</i> , 2015 , 6, 19413-27	3.3	35
79	The role of hypoxia regulated microRNAs in cancer. <i>Current Topics in Microbiology and Immunology</i> , 2010 , 345, 47-70	3.3	33
78	Intensity-modulated radiotherapy allows escalation of the radiation dose to the pelvic lymph nodes in patients with locally advanced prostate cancer: preliminary results of a phase I dose escalation study. <i>Clinical Oncology</i> , 2010 , 22, 236-44	2.8	33
77	SCF (Fbx17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development. <i>EMBO Journal</i> , 2016 , 35, 1400-16	13	33
76	COX-2 expression is predictive for early relapse and aromatase inhibitor resistance in patients with ductal carcinoma in situ of the breast, and is a target for treatment. <i>British Journal of Cancer</i> , 2014 , 111, 46-54	8.7	30
75	Hypoxia-driven cell motility reflects the interplay between JMY and HIF-1 α . <i>Oncogene</i> , 2011 , 30, 4835-42	9.2	30
74	Radiation response and cure rate of human colon adenocarcinoma spheroids of different size: the significance of hypoxia on tumor control modelling. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 49, 1109-18	4	30
73	Nutritional Stress Induced by Tryptophan-Degrading Enzymes Results in ATF4-Dependent Reprogramming of the Amino Acid Transporter Profile in Tumor Cells. <i>Cancer Research</i> , 2016 , 76, 6193-6204	10.1	29
72	E2F1 proteolysis via SCF-cyclin F underlies synthetic lethality between cyclin F loss and Chk1 inhibition. <i>EMBO Journal</i> , 2019 , 38, e101443	13	28
71	Prospective technical validation and assessment of intra-tumour heterogeneity of a low density array hypoxia gene profile in head and neck squamous cell carcinoma. <i>European Journal of Cancer</i> , 2013 , 49, 156-65	7.5	28
70	Gene expression analysis in human breast cancer associated blood vessels. <i>PLoS ONE</i> , 2012 , 7, e44294	3.7	27
69	Identification of vitamin B1 metabolism as a tumor-specific radiosensitizing pathway using a high-throughput colony formation screen. <i>Oncotarget</i> , 2015 , 6, 5978-89	3.3	27
68	IGF-1R associates with adverse outcomes after radical radiotherapy for prostate cancer. <i>British Journal of Cancer</i> , 2017 , 117, 1600-1606	8.7	25

67	Close and stable relationship between proliferation and a hypoxia metagene in aromatase inhibitor-treated ER-positive breast cancer. <i>Clinical Cancer Research</i> , 2011 , 17, 3005-12	12.9	25
66	Dosimetric features of linac head and phantom scattered radiation outside the clinical photon beam: experimental measurements and comparison with treatment planning system calculations. <i>Radiotherapy and Oncology</i> , 2001 , 58, 193-200	5.3	25
65	Combining lapatinib and pertuzumab to overcome lapatinib resistance due to NRG1-mediated signalling in HER2-amplified breast cancer. <i>Oncotarget</i> , 2015 , 6, 5678-94	3.3	25
64	Role of Delta-like 4 in Jagged1-induced tumour angiogenesis and tumour growth. <i>Oncotarget</i> , 2017 , 8, 40115-40131	3.3	24
63	Multiple biomarker tissue microarrays: bioinformatics and practical approaches. <i>Cancer and Metastasis Reviews</i> , 2008 , 27, 481-94	9.6	23
62	Radiogenomics Monitoring in Breast Cancer Identifies Metabolism and Immune Checkpoints as Early Actionable Mechanisms of Resistance to Anti-angiogenic Treatment. <i>EBioMedicine</i> , 2016 , 10, 109-16	8.8	23
61	MITF controls the TCA cycle to modulate the melanoma hypoxia response. <i>Pigment Cell and Melanoma Research</i> , 2019 , 32, 792-808	4.5	22
60	Role of carbohydrate response element-binding protein (ChREBP) in generating an aerobic metabolic phenotype and in breast cancer progression. <i>British Journal of Cancer</i> , 2014 , 110, 715-23	8.7	22
59	CD44v3 levels in primary cutaneous melanoma are predictive of prognosis: assessment by the use of tissue microarray. <i>International Journal of Cancer</i> , 2006 , 118, 1460-4	7.5	22
58	Monte Carlo dose calculations and radiobiological modelling: analysis of the effect of the statistical noise of the dose distribution on the probability of tumour control. <i>Physics in Medicine and Biology</i> , 2000 , 45, 3009-23	3.8	22
57	A phase 2 study of high-activity ¹⁸⁶ Re-HEDP with autologous peripheral blood stem cell transplant in progressive hormone-refractory prostate cancer metastatic to bone. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 1055-61	8.8	21
56	Selective Targeting of Bromodomains of the Bromodomain-PHD Fingers Family Impairs Osteoclast Differentiation. <i>ACS Chemical Biology</i> , 2017 , 12, 2619-2630	4.9	20
55	MicroRNA-Related DNA Repair/Cell-Cycle Genes Independently Associated With Relapse After Radiation Therapy for Early Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 1104-14	4	16
54	TOPK modulates tumour-specific radiosensitivity and correlates with recurrence after prostate radiotherapy. <i>British Journal of Cancer</i> , 2017 , 117, 503-512	8.7	16
53	Igf2 ligand dependency of Pten(+/-) developmental and tumour phenotypes in the mouse. <i>Oncogene</i> , 2012 , 31, 3635-46	9.2	16
52	RIPOSTE: a framework for improving the design and analysis of laboratory-based research. <i>ELife</i> , 2015 , 4,	8.9	16
51	Functional evolution of IGF2:IGF2R domain 11 binding generates novel structural interactions and a specific IGF2 antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2766-75	11.5	16
50	In vitro downregulated hypoxia transcriptome is associated with poor prognosis in breast cancer. <i>Molecular Cancer</i> , 2017 , 16, 105	42.1	15

49	Pre-treatment proliferation and the outcome of conventional and accelerated radiotherapy. <i>European Journal of Cancer</i> , 2006 , 42, 363-71	7.5	15
48	An analysis of the relationship between radiosensitivity and volume effects in tumor control probability modeling. <i>Medical Physics</i> , 2000 , 27, 1258-65	4.4	15
47	Mitochondrial Inhibitor Atovaquone Increases Tumor Oxygenation and Inhibits Hypoxic Gene Expression in Patients with Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 2459-2469	12.9	15
46	Adaptation to HIF1 Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. <i>Molecular Cancer Research</i> , 2019 , 17, 1531-1544	6.6	14
45	Guidelines for using sigQC for systematic evaluation of gene signatures. <i>Nature Protocols</i> , 2019 , 14, 1377-1400	11.8	14
44	A model-based method for the prediction of whole-body absorbed dose and bone marrow toxicity for ¹⁸⁶ Re-HEDP treatment of skeletal metastases from prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 1114-24	8.8	14
43	nm23 as a prognostic marker in primary cutaneous melanoma: evaluation using tissue microarray in a patient group with long-term follow-up. <i>Melanoma Research</i> , 2005 , 15, 435-40	3.3	14
42	An in vivo hypoxia metagene identifies the novel hypoxia inducible factor target gene SLCO1B3. <i>European Journal of Cancer</i> , 2013 , 49, 1741-51	7.5	13
41	Multicellular dosimetry in voxel geometry for targeted radionuclide therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2003 , 18, 451-61	3.9	13
40	Transcriptomic analysis of human primary breast cancer identifies fatty acid oxidation as a target for metformin. <i>British Journal of Cancer</i> , 2020 , 122, 258-265	8.7	13
39	Quantifying effects of lead shielding in electron beams: a Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2001 , 46, 757-69	3.8	12
38	Informed consent, biobank research, and locality: perceptions of breast cancer patients in three European countries. <i>Journal of Empirical Research on Human Research Ethics</i> , 2014 , 9, 48-55	1.6	11
37	Dose- and time-dependent changes in gene expression in human glioma cells after low radiation doses. <i>Radiation Research</i> , 2007 , 168, 199-208	3.1	11
36	Paracrine effect of GTP cyclohydrolase and angiopoietin-1 interaction in stromal fibroblasts on tumor Tie2 activation and breast cancer growth. <i>Oncotarget</i> , 2016 , 7, 9353-67	3.3	11
35	A semantic interoperability approach to support integration of gene expression and clinical data in breast cancer. <i>Computers in Biology and Medicine</i> , 2017 , 87, 179-186	7	10
34	Vitamin D Receptor Expression in Plasmablastic Lymphoma and Myeloma Cells Confers Susceptibility to Vitamin D. <i>Endocrinology</i> , 2017 , 158, 503-515	4.8	10
33	Modeling genotypes in their microenvironment to predict single- and multi-cellular behavior. <i>GigaScience</i> , 2019 , 8,	7.6	8
32	A new procedure for determining the genetic basis of a physiological process in a non-model species, illustrated by cold induced angiogenesis in the carp. <i>BMC Genomics</i> , 2009 , 10, 490	4.5	8

31	Backscatter and dose perturbations for low- to medium-energy electron point sources at the interface between materials with different atomic numbers. <i>Radiation Research</i> , 2004 , 162, 693-701	3.1	8
30	Identification of P-cadherin in primary melanoma using a tissue microarray: prognostic implications in a patient cohort with long-term follow up. <i>Annals of Plastic Surgery</i> , 2005 , 55, 316-20	1.7	8
29	Neoadjuvant Window Studies of Metformin and Biomarker Development for Drugs Targeting Cancer Metabolism. <i>Journal of the National Cancer Institute Monographs</i> , 2015 , 2015, 81-6	4.8	7
28	A Monte-Carlo method for interface dosimetry of beta emitters. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2003 , 18, 463-71	3.9	7
27	Disruption of hypoxia-inducible fatty acid binding protein 7 induces beige fat-like differentiation and thermogenesis in breast cancer cells. <i>Cancer & Metabolism</i> , 2020 , 8, 13	5.4	7
26	Depletion of signal recognition particle 72kDa increases radiosensitivity. <i>Cancer Biology and Therapy</i> , 2017 , 18, 425-432	4.6	6
25	Nucleoporin 54 contributes to homologous recombination repair and post-replicative DNA integrity. <i>Nucleic Acids Research</i> , 2018 , 46, 7731-7746	20.1	6
24	A general framework for quantifying the effects of DNA repair inhibitors on radiation sensitivity as a function of dose. <i>Theoretical Biology and Medical Modelling</i> , 2007 , 4, 25	2.3	6
23	The mevalonate precursor enzyme HMGCS1 is a novel marker and key mediator of cancer stem cell enrichment in luminal and basal models of breast cancer. <i>PLoS ONE</i> , 2020 , 15, e0236187	3.7	6
22	Hypoxia-induced SETX links replication stress with the unfolded protein response. <i>Nature Communications</i> , 2021 , 12, 3686	17.4	6
21	Role of gene signatures combined with pathology in classification of oropharynx head and neck cancer. <i>Scientific Reports</i> , 2020 , 10, 10226	4.9	5
20	Towards an environment for data mining based analysis processes in bioinformatics and personalized medicine. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2013 , 2, 29-44	1.6	5
19	Towards an environment for data mining based analysis processes in bioinformatics & personalized medicine 2011 ,		4
18	sigQC: A procedural approach for standardising the evaluation of gene signatures		4
17	Interferon- and STING-independent induction of type I interferon stimulated genes during fractionated irradiation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 161	12.8	4
16	Replication catastrophe induced by cyclic hypoxia leads to increased APOBEC3B activity. <i>Nucleic Acids Research</i> , 2021 , 49, 7492-7506	20.1	4
15	Identification of anticancer drugs to radiosensitise -wild-type and mutant colorectal cancer. <i>Cancer Biology and Medicine</i> , 2019 , 16, 234-246	5.2	3
14	The many faces of mathematical modelling in oncology. <i>British Journal of Radiology</i> , 2019 , 92, 20180856	3.4	3

13	miR-182-Mediated Downregulation of BRCA1 Impacts DNA Repair and Sensitivity to PARP Inhibitors. <i>Molecular Cell</i> , 2014 , 53, 162-163	17.6	2
12	Considerations for modelling MLCs with Monte Carlo techniques 2000 , 458-460		2
11	Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine-resistance in breast cancer		2
10	Endogenous miRNA sponges mediate the generation of oscillatory dynamics for a non-coding RNA network. <i>Journal of Theoretical Biology</i> , 2019 , 481, 54-60	2.3	2
9	A DCE-MRI analysis workflow 2016 ,		1
8	Pan-cancer characterisation of microRNA with hallmarks of cancer reveals role of microRNA-mediated downregulation of tumour suppressor genes		1
7	Guest Editorial Data Science in Smart Healthcare: Challenges and Opportunities. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 3041-3043	7.2	1
6	Heritable genetic variants in key cancer genes link cancer risk with anthropometric traits. <i>Journal of Medical Genetics</i> , 2021 , 58, 392-399	5.8	1
5	A Structural Characterisation of the Mitogen-Activated Protein Kinase Network in Cancer. <i>Symmetry</i> , 2022 , 14, 1009	2.7	1
4	ADGRL4/ELTD1 Expression in Breast Cancer Cells Induces Vascular Normalization and Immune Suppression. <i>Molecular Cancer Research</i> , 2021 , 19, 1957-1969	6.6	0
3	Functional comparison of Notch ligands in tumour angiogenesis. <i>Asian Pacific Journal of Tropical Disease</i> , 2014 , 4, 229		
2	Fundamental Radiobiology and its Application to Radiation Oncology. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009 , 3-9	0.2	
1	Diagnostic and Prognostic Cancer Biomarkers: From Traditional to Systems Approaches 2011 , 329-366		