# Francesca M Buffa

List of Publications by Year
in descending order



| 155 | 10,943 | 30068 | 32838 |
|---|---|---|---|
| papers | citations | 54 h-index | 100 g-index |

| 171 | 171 | 171 | 21118 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | hsa-miR-210 Is Induced by Hypoxia and Is an Independent Prognostic Factor in Breast Cancer. Clinical Cancer Research, 2008, 14, 1340-1348. | 7.0 | 617 |
| 2 | Direct targeting of Sec23a by miR-200s influences cancer cell secretome and promotes metastatic colonization. Nature Medicine, 2011, 17, 1101-1108. | 30.7 | 552 |
| 3 | Fatty Acid Uptake and Lipid Storage Induced by HIF-1Î± Contribute to Cell Growth and Survival after Hypoxia-Reoxygenation. Cell Reports, 2014, 9, 349-365. | 6.4 | 498 |
| 4 | Large meta-analysis of multiple cancers reveals a common, compact and highly prognostic hypoxia metagene. British Journal of Cancer, 2010, 102, 428-435. | 6.4 | 440 |
| 5 | miR-182-Mediated Downregulation of BRCA1 Impacts DNA Repair and Sensitivity to PARP Inhibitors. Molecular Cell, 2011, 41, 210-220. | 9.7 | 409 |
| 6 | Relation of a Hypoxia Metagene Derived from Head and Neck Cancer to Prognosis of Multiple Cancers. Cancer Research, 2007, 67, 3441-3449. | 0.9 | 349 |
| 7 | Regulation of autophagy by ATF4 in response to severe hypoxia. Oncogene, 2010, 29, 4424-4435. | 5.9 | 320 |
| 8 | Glucose Utilization via Glycogen Phosphorylase Sustains Proliferation and Prevents Premature Senescence in Cancer Cells. Cell Metabolism, 2012, 16, 751-764. | 16.2 | 320 |
| 9 | microRNA-Associated Progression Pathways and Potential Therapeutic Targets Identified by Integrated mRNA and microRNA Expression Profiling in Breast Cancer. Cancer Research, 2011, 71, 5635-5645. | 0.9 | 285 |
| 10 | MicroRNA-210 Regulates Mitochondrial Free Radical Response to Hypoxia and Krebs Cycle in Cancer Cells by Targeting Iron Sulfur Cluster Protein ISCU. PLoS ONE, 2010, 5, e10345. | 2.5 | 276 |
| 11 | Tumor hypoxia induces nuclear paraspeckle formation through HIF-2Î± dependent transcriptional activation of NEAT1 leading to cancer cell survival. Oncogene, 2015, 34, 4482-4490. | 5.9 | 245 |
| 12 | The small-nucleolar RNAs commonly used for microRNA normalisation correlate with tumour pathology and prognosis. British Journal of Cancer, 2011, 104, 1168-1177. | 6.4 | 244 |
| 13 | A Core Human Primary Tumor Angiogenesis Signature Identifies the Endothelial Orphan Receptor ELTD1 as a Key Regulator of Angiogenesis. Cancer Cell, 2013, 24, 229-241. | 16.8 | 238 |
| 14 | hsaâ€•miRâ€210 is a marker of tumor hypoxia and a prognostic factor in head and neck cancer. Cancer, 2010, 116, 2148-2158. | 4.1 | 215 |
| 15 | A 26-Gene Hypoxia Signature Predicts Benefit from Hypoxia-Modifying Therapy in Laryngeal Cancer but Not Bladder Cancer. Clinical Cancer Research, 2013, 19, 4879-4888. | 7.0 | 214 |
| 16 | Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. Nature Communications, 2014, 5, 5203. | 12.8 | 195 |
| 17 | Translation reprogramming is an evolutionarily conserved driver of phenotypic plasticity and therapeutic resistance in melanoma. Genes and Development, 2017, 31, 18-33. | 5.9 | 184 |
| 18 | The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia. Nature Communications, 2016, 7, 12308. | 12.8 | 173 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Histone Demethylase JMJD2B Is Regulated by Estrogen Receptor Î± and Hypoxia, and Is a Key Mediator of Estrogen Induced Growth. Cancer Research, 2010, 70, 6456-6466. | 0.9 | 167 |
| 20 | Assessment of tumour hypoxia for prediction of response to therapy and cancer prognosis. Journal of Cellular and Molecular Medicine, 2010, 14, 18-29. | 3.6 | 143 |
| 21 | Integrated analysis of microRNA and mRNA expression and association with HIF binding reveals the complexity of microRNA expression regulation under hypoxia. Molecular Cancer, 2014, 13, 28. | 19.2 | 135 |
| 22 | MicroRNA-10b and breast cancer metastasis. Nature, 2008, 455, E8-E9. | 27.8 | 134 |
| 23 | Development and Validation of a 28-gene Hypoxia-related Prognostic Signature for Localized Prostate Cancer. EBioMedicine, 2018, 31, 182-189. | 6.1 | 132 |
| 24 | Transcriptional up-regulation of ULK1 by ATF4 contributes to cancer cell survival. Biochemical Journal, 2013, 449, 389-400. | 3.7 | 128 |
| 25 | Clinical whole-genome sequencing from routine formalin-fixed, paraffin-embedded specimens: pilot study for the 100,000 Genomes Project. Genetics in Medicine, 2018, 20, 1196-1205. | 2.4 | 125 |
| 26 | Phosphorylated ERÎ±, HIF-1Î±, and MAPK Signaling As Predictors of Primary Endocrine Treatment Response and Resistance in Patients With Breast Cancer. Journal of Clinical Oncology, 2009, 27, 227-234. | 1.6 | 116 |
| 27 | Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. Journal of Clinical Investigation, 2015, 125, 2385-2398. | 8.2 | 111 |
| 28 | Estrogen receptor-Î± directly regulates the hypoxia-inducible factor 1 pathway associated with antiestrogen response in breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15172-15177. | 7.1 | 110 |
| 29 | Pan-cancer characterisation of microRNA across cancer hallmarks reveals microRNA-mediated downregulation of tumour suppressors. Nature Communications, 2018, 9, 5228. | 12.8 | 110 |
| 30 | A Gene Signature for Selecting Benefit from Hypoxia Modification of Radiotherapy for High-Risk Bladder Cancer Patients. Clinical Cancer Research, 2017, 23, 4761-4768. | 7.0 | 107 |
| 31 | miR-139-5p Modulates Radiotherapy Resistance in Breast Cancer by Repressing Multiple Gene Networks of DNA Repair and ROS Defense. Cancer Research, 2018, 78, 501-515. | 0.9 | 105 |
| 32 | Overexpression of POLQ Confers a Poor Prognosis in Early Breast Cancer Patients. Oncotarget, 2010, 1, 175-184. | 1.8 | 100 |
| 33 | Gene Expression Signatures as Biomarkers of Tumour Hypoxia. Clinical Oncology, 2015, 27, 547-560. | 1.4 | 95 |
| 34 | Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 689-721. | 5.2 | 93 |
| 35 | Integrated Pharmacodynamic Analysis Identifies Two Metabolic Adaption Pathways to Metformin in Breast Cancer. Cell Metabolism, 2018, 28, 679-688.e4. | 16.2 | 92 |
| 36 | Epigenetic downregulation of human disabled homolog 2 switches TGF-Î² from a tumor suppressor to a tumor promoter. Journal of Clinical Investigation, 2010, 120, 2842-2857. | 8.2 | 87 |

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|---|---|---|---|
| 37 | Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine resistance in breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12452-12461. | 7.1 | 86 |
| 38 | Molecular Marker Profiles Predict Locoregional Control of Head and Neck Squamous Cell Carcinoma in a Randomized Trial of Continuous Hyperfractionated Accelerated Radiotherapy. Clinical Cancer Research, 2004, 10, 3745-3754. | 7.0 | 83 |
| 39 | Differential clonal evolution in oesophageal cancers in response to neo-adjuvant chemotherapy. Nature Communications, 2016, 7, 11111. | 12.8 | 83 |
| 40 | Human CHCHD4 mitochondrial proteins regulate cellular oxygen consumption rate and metabolism and provide a critical role in hypoxia signaling and tumor progression. Journal of Clinical Investigation, 2012, 122, 600-611. | 8.2 | 82 |
| 41 | Alternate RASSF1 Transcripts Control SRC Activity, E-Cadherin Contacts, and YAP-Mediated Invasion. Current Biology, 2015, 25, 3019-3034. | 3.9 | 74 |
| 42 | Gene expression and hypoxia in breast cancer. Genome Medicine, 2011, 3, 55. | 8.2 | 73 |
| 43 | FANCD2 limits replication stress and genome instability in cells lacking BRCA2. Nature Structural and Molecular Biology, 2016, 23, 755-757. | 8.2 | 73 |
| 44 | Spectral Clustering of Microarray Data Elucidates the Roles of Microenvironment Remodeling and Immune Responses in Survival of Head and Neck Squamous Cell Carcinoma. Journal of Clinical Oncology, 2010, 28, 2881-2888. | 1.6 | 72 |
| 45 | RASSF1A uncouples Wnt from Hippo signalling and promotes YAP mediated differentiation via p73. Nature Communications, 2018, 9, 424. | 12.8 | 72 |
| 46 | Hypoxia induces a lipogenic cancer cell phenotype via HIF1Î±-dependent and -independent pathways. Oncotarget, 2015, 6, 1920-1941. | 1.8 | 72 |
| 47 | Genomic alterations underlie a pan-cancer metabolic shift associated with tumour hypoxia. Genome Biology, 2016, 17, 140. | 8.8 | 67 |
| 48 | Dichloroacetate reverses the hypoxic adaptation to bevacizumab and enhances its antitumor effects in mouse xenografts. Journal of Molecular Medicine, 2013, 91, 749-758. | 3.9 | 64 |
| 49 | Robust prognostic value of a knowledge-based proliferation signature across large patient microarray studies spanning different cancer types. British Journal of Cancer, 2008, 99, 1884-1890. | 6.4 | 62 |
| 50 | Dosimetric impact of computed tomography calibration on a commercial treatment planning system for external radiation therapy. Radiotherapy and Oncology, 1998, 48, 335-338. | 0.6 | 60 |
| 51 | 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. British Journal of Cancer, 2002, 86, 1715-1720. | 6.4 | 57 |
| 52 | Hypoxia regulates FGFR3 expression via HIF-1Î± and miR-100 and contributes to cell survival in non-muscle invasive bladder cancer. British Journal of Cancer, 2013, 109, 50-59. | 6.4 | 55 |
| 53 | Incorporating biologic measurements (SF2, CFE) into a tumor control probability model increases their prognostic significance: a study in cervical carcinoma treated with radiation therapy. International Journal of Radiation Oncology Biology Physics, 2001, 50, 1113-1122. | 0.8 | 54 |
| 54 | Development of a Tissue Array for Primary Melanoma with Long-Term Follow-Up: Discovering Melanoma Cell Adhesion Molecule as an Important Prognostic Marker. Plastic and Reconstructive Surgery, 2005, 115, 367-375. | 1.4 | 53 |

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|---|---|---|---|
| 55 | Phase I/II Trial of Bevacizumab and Radiotherapy for Locally Advanced Inoperable Colorectal Cancer: Vasculature-Independent Radiosensitizing Effect of Bevacizumab. Clinical Cancer Research, 2009, 15, 7069-7076. | 7.0 | 52 |
| 56 | <scp>SCF</scp> (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development. EMBO Journal, 2016, 35, 1400-1416. | 7.8 | 50 |
| 57 | Gemcitabine-Induced TIMP1 Attenuates Therapy Response and Promotes Tumor Growth and Liver Metastasis in Pancreatic Cancer. Cancer Research, 2017, 77, 5952-5962. | 0.9 | 50 |
| 58 | Molecular profiles as predictive marker for the effect of overall treatment time of radiotherapy in supraglottic larynx squamous cell carcinomas. Radiotherapy and Oncology, 2004, 72, 275-282. | 0.6 | 46 |
| 59 | Nutritional Stress Induced by Tryptophan-Degrading Enzymes Results in ATF4-Dependent Reprogramming of the Amino Acid Transporter Profile in Tumor Cells. Cancer Research, 2016, 76, 6193-6204. | 0.9 | 45 |
| 60 | Assessing Early Therapeutic Response to Bevacizumab in Primary Breast Cancer Using Magnetic Resonance Imaging and Gene Expression Profiles. Journal of the National Cancer Institute Monographs, 2011, 2011, 71-74. | 2.1 | 42 |
| 61 | Selective Targeting of Bromodomains of the Bromodomain-PHD Fingers Family Impairs Osteoclast Differentiation. ACS Chemical Biology, 2017, 12, 2619-2630. | 3.4 | 41 |
| 62 | MITF controls the TCA cycle to modulate the melanoma hypoxia response. Pigment Cell and Melanoma Research, 2019, 32, 792-808. | 3.3 | 41 |
| 63 | E2F1 proteolysis via <scp>SCF</scp> â€cyclin F underlies synthetic lethality between cyclin F loss and Chk1 inhibition. EMBO Journal, 2019, 38, e101443. | 7.8 | 40 |
| 64 | Mitochondrial Inhibitor Atovaquone Increases Tumor Oxygenation and Inhibits Hypoxic Gene Expression in Patients with Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2021, 27, 2459-2469. | 7.0 | 40 |
| 65 | Carbonic anhydrase IX induction defines a heterogeneous cancer cell response to hypoxia and mediates stem cell-like properties and sensitivity to HDAC inhibition. Oncotarget, 2015, 6, 19413-19427. | 1.8 | 39 |
| 66 | 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. Clinical Oncology, 2010, 22, 236-244. | 1.4 | 38 |
| 67 | Radiation response and cure rate of human colon adenocarcinoma spheroids of different size: the significance of hypoxia on tumor control modelling. International Journal of Radiation Oncology Biology Physics, 2001, 49, 1109-1118. | 0.8 | 37 |
| 68 | Prospective technical validation and assessment of intra-tumour heterogeneity of a low density array hypoxia gene profile in head and neck squamous cell carcinoma. European Journal of Cancer, 2013, 49, 156-165. | 2.8 | 36 |
| 69 | Hypoxia-driven cell motility reflects the interplay between JMY and HIF-1Î±. Oncogene, 2011, 30, 4835-4842. | 5.9 | 35 |
| 70 | IGF-1R associates with adverse outcomes after radical radiotherapy for prostate cancer. British Journal of Cancer, 2017, 117, 1600-1606. | 6.4 | 35 |
| 71 | Role of Delta-like 4 in Jagged1-induced tumour angiogenesis and tumour growth. Oncotarget, 2017, 8, 40115-40131. | 1.8 | 35 |
| 72 | The Role of Hypoxia Regulated microRNAs in Cancer. Current Topics in Microbiology and Immunology, 2010, 345, 47-70. | 1.1 | 34 |

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|---|---|---|---|
| 73 | In vitro downregulated hypoxia transcriptome is associated with poor prognosis in breast cancer. Molecular Cancer, 2017, 16, 105. | 19.2 | 33 |
| 74 | Identification of vitamin B1 metabolism as a tumor-specific radiosensitizing pathway using a high-throughput colony formation screen. Oncotarget, 2015, 6, 5978-5989. | 1.8 | 33 |
| 75 | 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. British Journal of Cancer, 2014, 111, 46-54. | 6.4 | 32 |
| 76 | Close and Stable Relationship between Proliferation and a Hypoxia Metagene in Aromatase Inhibitorâ€"Treated ER-Positive Breast Cancer. Clinical Cancer Research, 2011, 17, 3005-3012. | 7.0 | 31 |
| 77 | Role of carbohydrate response element-binding protein (ChREBP) in generating an aerobic metabolic phenotype and in breast cancer progression. British Journal of Cancer, 2014, 110, 715-723. | 6.4 | 30 |
| 78 | Combining lapatinib and pertuzumab to overcome lapatinib resistance due to NRG1-mediated signalling in HER2-amplified breast cancer. Oncotarget, 2015, 6, 5678-5694. | 1.8 | 30 |
| 79 | Dosimetric features of linac head and phantom scattered radiation outside the clinical photon beam: experimental measurements and comparison with treatment planning system calculations. Radiotherapy and Oncology, 2001, 58, 193-200. | 0.6 | 29 |
| 80 | Gene Expression Analysis in Human Breast Cancer Associated Blood Vessels. PLoS ONE, 2012, 7, e44294. | 2.5 | 28 |
| 81 | Transcriptomic analysis of human primary breast cancer identifies fatty acid oxidation as a target for metformin. British Journal of Cancer, 2020, 122, 258-265. | 6.4 | 28 |
| 82 | Radiogenomics Monitoring in Breast Cancer Identifies Metabolism and Immune Checkpoints as Early Actionable Mechanisms of Resistance to Anti-angiogenic Treatment. EBioMedicine, 2016, 10, 109-116. | 6.1 | 27 |
| 83 | 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. Physics in Medicine and Biology, 2000, 45, 3009-3023. | 3.0 | 25 |
| 84 | Multiple biomarker tissue microarrays: bioinformatics and practical approaches. Cancer and Metastasis Reviews, 2008, 27, 481-494. | 5.9 | 25 |
| 85 | A phase 2 study of high-activity 186Re-HEDP with autologous peripheral blood stem cell transplant in progressive hormone-refractory prostate cancer metastatic to bone. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 1055-1061. | 6.4 | 24 |
| 86 | RIPOSTE: a framework for improving the design and analysis of laboratory-based research. ELife, 2015, 4, . | 6.0 | 24 |
| 87 | Guidelines for using sigQC for systematic evaluation of gene signatures. Nature Protocols, 2019, 14, 1377-1400. | 12.0 | 23 |
| 88 | CD44v3 levels in primary cutaneous melanoma are predictive of prognosis: Assessment by the use of tissue microarray. International Journal of Cancer, 2006, 118, 1460-1464. | 5.1 | 22 |
| 89 | Adaptation to HIF1Î± Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. Molecular Cancer Research, 2019, 17, 1531-1544. | 3.4 | 22 |
| 90 | Functional evolution of IGF2:IGF2R domain 11 binding generates novel structural interactions and a specific IGF2 antagonist. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2766-75. | 7.1 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Igf2 ligand dependency of Pten+/â˜ developmental and tumour phenotypes in the mouse. Oncogene, 2012, 31, 3635-3646. | 5.9 | 20 |
| 92 | TOPK modulates tumour-specific radiosensitivity and correlates with recurrence after prostate radiotherapy. British Journal of Cancer, 2017, 117, 503-512. | 6.4 | 20 |
| 93 | 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. PLoS ONE, 2020, 15, e0236187. | 2.5 | 20 |
| 94 | Hypoxia-induced SETX links replication stress with the unfolded protein response. Nature Communications, 2021, 12, 3686. | 12.8 | 19 |
| 95 | An analysis of the relationship between radiosensitivity and volume effects in tumor control probability modeling. Medical Physics, 2000, 27, 1258-1265. | 3.0 | 18 |
| 96 | MicroRNA-Related DNA Repair/Cell-Cycle Genes Independently Associated With Relapse After Radiation Therapy for Early Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2015, 93, 1104-1114. | 0.8 | 18 |
| 97 | Replication catastrophe induced by cyclic hypoxia leads to increased APOBEC3B activity. Nucleic Acids Research, 2021, 49, 7492-7506. | 14.5 | 18 |
| 98 | Vitamin D Receptor Expression in Plasmablastic Lymphoma and Myeloma Cells Confers Susceptibility to Vitamin D. Endocrinology, 2017, 158, 503-515. | 2.8 | 17 |
| 99 | Paracrine effect of GTP cyclohydrolase and angiopoietin-1 interaction in stromal fibroblasts on tumor Tie2 activation and breast cancer growth. Oncotarget, 2016, 7, 9353-9367. | 1.8 | 17 |
| 100 | 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. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1114-1124. | 6.4 | 16 |
| 101 | Interferon- and STING-independent induction of type I interferon stimulated genes during fractionated irradiation. Journal of Experimental and Clinical Cancer Research, 2021, 40, 161. | 8.6 | 16 |
| 102 | Pre-treatment proliferation and the outcome of conventional and accelerated radiotherapy. European Journal of Cancer, 2006, 42, 363-371. | 2.8 | 15 |
| 103 | An in vivo hypoxia metagene identifies the novel hypoxia inducible factor target gene SLCO1B3. European Journal of Cancer, 2013, 49, 1741-1751. | 2.8 | 15 |
| 104 | Multicellular Dosimetry in Voxel Geometry for Targeted Radionuclide Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2003, 18, 451-461. | 1.0 | 14 |
| 105 | nm23 as a prognostic marker in primary cutaneous melanoma: evaluation using tissue microarray in a patient group with long-term follow-up. Melanoma Research, 2005, 15, 435-440. | 1.2 | 14 |
| 106 | A semantic interoperability approach to support integration of gene expression and clinical data in breast cancer. Computers in Biology and Medicine, 2017, 87, 179-186. | 7.0 | 14 |
| 107 | Modeling genotypes in their microenvironment to predict single- and multi-cellular behavior. GigaScience, 2019, 8, . | 6.4 | 14 |
| 108 | Quantifying effects of lead shielding in electron beams: a Monte Carlo study. Physics in Medicine and Biology, 2001, 46, 757-769. | 3.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Dose- and Time-Dependent Changes in Gene Expression in Human Glioma Cells after Low Radiation Doses. Radiation Research, 2007, 168, 199-208. | 1.5 | 13 |
| 110 | Informed Consent, Biobank Research, and Locality. Journal of Empirical Research on Human Research Ethics, 2014, 9, 48-55. | 1.3 | 12 |
| 111 | Nucleoporin 54 contributes to homologous recombination repair and post-replicative DNA integrity. Nucleic Acids Research, 2018, 46, 7731-7746. | 14.5 | 11 |
| 112 | Disruption of hypoxia-inducible fatty acid binding protein 7 induces beige fat-like differentiation and thermogenesis in breast cancer cells. Cancer & Metabolism, 2020, 8, 13. | 5.0 | 11 |
| 113 | Role of gene signatures combined with pathology in classification of oropharynx head and neck cancer. Scientific Reports, 2020, 10, 10226. | 3.3 | 10 |
| 114 | Backscatter and Dose Perturbations for Low- to Medium-Energy Electron Point Sources at the Interface between Materials with Different Atomic Numbers. Radiation Research, 2004, 162, 693-701. | 1.5 | 9 |
| 115 | Identification of P-cadherin in Primary Melanoma Using a Tissue Microarrayer. Annals of Plastic Surgery, 2005, 55, 316-320. | 0.9 | 9 |
| 116 | Heritable genetic variants in key cancer genes link cancer risk with anthropometric traits. Journal of Medical Genetics, 2021, 58, 392-399. | 3.2 | 9 |
| 117 | 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. BMC Genomics, 2009, 10, 490. | 2.8 | 8 |
| 118 | Neoadjuvant Window Studies of Metformin and Biomarker Development for Drugs Targeting Cancer Metabolism. Journal of the National Cancer Institute Monographs, 2015, 2015, 81-86. | 2.1 | 8 |
| 119 | Depletion of signal recognition particle 72kDa increases radiosensitivity. Cancer Biology and Therapy, 2017, 18, 425-432. | 3.4 | 8 |
| 120 | Guest Editorial Data Science in Smart Healthcare: Challenges and Opportunities. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3041-3043. | 6.3 | 8 |
| 121 | A Monte-Carlo Method for Interface Dosimetry of Beta Emitters. Cancer Biotherapy and Radiopharmaceuticals, 2003, 18, 463-471. | 1.0 | 7 |
| 122 | Towards an environment for data mining based analysis processes in bioinformatics and personalized medicine. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 29-44. | 2.1 | 7 |
| 123 | A general framework for quantifying the effects of DNA repair inhibitors on radiation sensitivity as a function of dose. Theoretical Biology and Medical Modelling, 2007, 4, 25. | 2.1 | 6 |
| 124 | Towards an environment for data mining based analysis processes in bioinformatics & personalized medicine. , 2011, , . | | 6 |
| 125 | Disease-associated KBTBD4 mutations in medulloblastoma elicit neomorphic ubiquitylation activity to promote CoREST degradation. Cell Death and Differentiation, 2022, 29, 1955-1969. | 11.2 | 6 |
| 126 | Liver glycogen phosphorylase is upregulated in glioblastoma and provides a metabolic vulnerability to high dose radiation. Cell Death and Disease, 2022, 13, . | 6.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | The many faces of mathematical modelling in oncology. British Journal of Radiology, 2019, 92, 20180856. | 2.2 | 5 |
| 128 | Endogenous miRNA sponges mediate the generation of oscillatory dynamics for a non-coding RNA network. Journal of Theoretical Biology, 2019, 481, 54-60. | 1.7 | 5 |
| 129 | Defining T Cell Subsets in Human Tonsils Using ChipCytometry. Journal of Immunology, 2021, 206, 3073-3082. | 0.8 | 5 |
| 130 | Identification of anticancer drugs to radiosensitise BRAF-wild-type and mutant colorectal cancer. Cancer Biology and Medicine, 2019, 16, 234. | 3.0 | 4 |
| 131 | ADGRL4/ELTD1 Expression in Breast Cancer Cells Induces Vascular Normalization and Immune Suppression. Molecular Cancer Research, 2021, 19, 1957-1969. | 3.4 | 4 |
| 132 | Considerations for modelling MLCs with Monte Carlo techniques. , 2000, , 458-460. | | 3 |
| 133 | A Structural Characterisation of the Mitogen-Activated Protein Kinase Network in Cancer. Symmetry, 2022, 14, 1009. | 2.2 | 2 |
| 134 | A DCE-MRI analysis workflow. , 2016, , . | | 1 |
| 135 | Erratum to â€œradiation response and cure of human colon adenocarcinoma spheroids of different size: the significance of hypoxia tumor control modellingâ€• International Journal of Radiation Oncology Biology Physics, 2004, 58, 1322. | 0.8 | 0 |
| 136 | Molecular Markers in the CHART Trial. International Journal of Radiation Oncology Biology Physics, 2005, 63, S72. | 0.8 | 0 |
| 137 | 31 Radiation responsive genes in glioma cells. Radiotherapy and Oncology, 2006, 78, S11-S12. | 0.6 | 0 |
| 138 | 189 The response of head and neck tumours to radiotherapy may be influenced by the interaction between cell proliferation and vascularization. Radiotherapy and Oncology, 2006, 78, S65-S66. | 0.6 | 0 |
| 139 | 332 POLQ (DNA polyermase theta) as a novel therapeutic target: preclinical and clinical data. European Journal of Cancer, Supplement, 2010, 8, 106. | 2.2 | 0 |
| 140 | Correction: Close And Stable Relationship Between Proliferation And A Hypoxia Metagene In Aromatase Inhibitorâ€“Treated ER-Positive Breast Cancer. Clinical Cancer Research, 2011, 17, 4915-4915. | 7.0 | 0 |
| 141 | Functional comparison of Notch ligands in tumour angiogenesis. Asian Pacific Journal of Tropical Disease, 2014, 4, 229. | 0.5 | 0 |
| 142 | D6-03: Proliferation and â€˜invasivenessâ€™ gene-expression signatures predict survival of surgically treated non-small-cell lung cancer. Journal of Thoracic Oncology, 2007, 2, S407. | 1.1 | 0 |
| 143 | Fundamental Radiobiology and its Application to Radiation Oncology. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 3-9. | 0.3 | 0 |
| 144 | Abstract P2-02-07: Predicting Response to Bevacizumab Therapy in Primary Breast Cancer Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2010, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Abstract P2-09-28: Integrated Gene Expression and MRI Analysis To Assess Early Therapeutic Response to Bevacizumab in Primary Breast Cancer. , 2010, , . | | 0 |
| 146 | Diagnostic and Prognostic Cancer Biomarkers: From Traditional to Systems Approaches. , 2011, , 329-366. | | 0 |
| 147 | Abstract 38: Copy number aberration detected in head and neck carcinomas using OncoSNP and influence on gene expression. , 2011, , . | | 0 |
| 148 | Abstract P1-06-01: Upregulation of metabolism as a potential resistance mechanism to bevacizumab in primary breast cancer. , 2012, , . | | 0 |
| 149 | Abstract P4-01-01: Integrating dynamic magnetic resonance imaging and gene expression profiling reveals novel therapeutic targets in locally advanced breast cancer.. , 2012, , . | | 0 |
| 150 | Abstract BS02-1: Hypoxia metabolism in breast cancer â€“ How to overcome resistance to anti-angiogenic therapy. , 2013, , . | | 0 |
| 151 | Abstract P2-05-01: The non-coding transcriptome of hypoxic breast cancer: Novel insights of clinical relevant long non-coding RNA in hypoxia signalling. , 2015, , . | | 0 |
| 152 | Abstract 2903: Differential regulation of LC3 A and B, GABARAPL 1 and 2 autophagy genes by micro-environmental stress and role in breast cancer survival. , 2015, , . | | 0 |
| 153 | Abstract 3750: Genomic alterations underlie a pan-cancer metabolic transcriptome shift. , 2015, , . | | 0 |
| 154 | Abstract B1-56: Distinct roles of copy number and loss-of-heterozygosity in predicting prognosis for breast cancer patients. , 2015, , . | | 0 |
| 155 | Abstract A29: Hypoxia regulated long noncoding RNAs and antisense transcripts in breast cancer: Novel insights of noncoding transcriptional regulation in hypoxic microenvironment. , 2016, , . | | 0 |