# James Russell

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 1,001 citations | 567281 15 h-index | 552781 26 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 1926 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Senescence-Induced Vascular Remodeling Creates Therapeutic Vulnerabilities in Pancreas Cancer. Cell, 2020, 181, 424-441.e21. | 28.9 | 216 |
| 2 | Visualization of Hypoxia in Microscopic Tumors by Immunofluorescent Microscopy. Cancer Research, 2007, 67, 7646-7653. | 0.9 | 111 |
| 3 | Metabolic Imaging: A Link between Lactate Dehydrogenase A, Lactate, and Tumor Phenotype. Clinical Cancer Research, 2011, 17, 6250-6261. | 7.0 | 92 |
| 4 | Changes in tumor hypoxia induced by mild temperature hyperthermia as assessed by dual-tracer immunohistochemistry. Radiotherapy and Oncology, 2008, 88, 269-276. | 0.6 | 63 |
| 5 | An Antitumor Immune Response Is Evoked by Partial-Volume Single-Dose Radiation in 2 Murine Models. International Journal of Radiation Oncology Biology Physics, 2019, 103, 697-708. | 0.8 | 62 |
| 6 | Immunohistochemical Detection of Changes in Tumor Hypoxia. International Journal of Radiation Oncology Biology Physics, 2009, 73, 1177-1186. | 0.8 | 58 |
| 7 | A quantitative overview of radiosensitivity of human tumor cells across histological type and TP53 status. International Journal of Radiation Biology, 2008, 84, 253-264. | 1.8 | 57 |
| 8 | Single-dose radiotherapy disables tumor cell homologous recombination via ischemia/reperfusion injury. Journal of Clinical Investigation, 2019, 129, 786-801. | 8.2 | 50 |
| 9 | Detecting changes in tumor hypoxia with carbonic anhydrase IX and pimonidazole. Cancer Biology and Therapy, 2007, 6, 70-75. | 3.4 | 38 |
| 10 | A Combination of Radiation and the Hypoxia-Activated Prodrug Evofosfamide (TH-302) is Efficacious against a Human Orthotopic Pancreatic Tumor Model. Translational Oncology, 2017, 10, 760-765. | 3.7 | 33 |
| 11 | Iodination of annexin V for imaging apoptosis. Journal of Nuclear Medicine, 2002, 43, 671-7. | 5.0 | 33 |
| 12 | Human tumor cells segregate into radiosensitivity groups that associate with ATM and TP53 status. Acta OncolÃ³gica, 2007, 46, 628-638. | 1.8 | 31 |
| 13 | 18F-Fluromisonidazole PET Imaging as a Biomarker for the Response to 5,6-Dimethylxanthenone-4-Acetic Acid in Colorectal Xenograft Tumors. Journal of Nuclear Medicine, 2011, 52, 437-444. | 5.0 | 31 |
| 14 | Detection of hypoxia in microscopic tumors using 131I-labeled iodo-azomycin galactopyranoside (131I-IAZGP) digital autoradiography. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 339-348. | 6.4 | 24 |
| 15 | Genotype-dependent radiosensitivity: Clonogenic survival, apoptosis and cell-cycle redistribution. International Journal of Radiation Biology, 2008, 84, 151-164. | 1.8 | 22 |
| 16 | In Vitro and In Vivo Comparison of Gemcitabine and the Gemcitabine Analog 1-(2â€²-deoxy-2â€²-fluoroarabinofuranosyl) Cytosine (FAC) in Human Orthotopic and Genetically Modified Mouse Pancreatic Cancer Models. Molecular Imaging and Biology, 2017, 19, 885-892. | 2.6 | 14 |
| 17 | Reverse-Contrast Imaging and Targeted Radiation Therapy of Advanced Pancreatic Cancer Models. International Journal of Radiation Oncology Biology Physics, 2015, 93, 444-453. | 0.8 | 12 |
| 18 | Studies with cytotoxic agents suggest that apoptosis is not a major determinant of clonogenic death in neuroblastoma cells. European Journal of Cancer, 2003, 39, 2234-2238. | 2.8 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Technical Note: Scintillation well counters and particle counting digital autoradiography devices can be used to detect activities associated with genomic profiling adequacy of biopsy specimens obtained after a low activity <sup>18</sup>Fâ€<scp>FDG</scp> injection. Medical Physics, 2018, 45, 2179-2185. | 3.0 | 8 |
| 20 | Changes in the Levels of CD4+ and CD8+ T-Lymphocytes After Strontium-89 Chloride Therapy for Painful Bone Metastases in Patients Correlate with Treatment Efficacy. Cancer Biotherapy and Radiopharmaceuticals, 2007, 22, 367-373. | 1.0 | 7 |
| 21 | Comparing the intra-tumoral distribution of Gemcitabine, 5-Fluorouracil, and Capecitabine in a murine model of pancreatic ductal adenocarcinoma. PLoS ONE, 2020, 15, e0231745. | 2.5 | 7 |
| 22 | Distribution of Gemcitabine Is Nearly Homogenous in Two Orthotopic Murine Models of Pancreatic Cancer. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 299-304. | 1.0 | 6 |
| 23 | Predicting Gemcitabine Delivery by <sup>18</sup>F-FAC PET in Murine Models of Pancreatic Cancer. Journal of Nuclear Medicine, 2021, 62, 195-200. | 5.0 | 6 |
| 24 | 18F-fluoromisonidazole predicts evofosfamide uptake in pancreatic tumor model. EJNMMI Research, 2018, 8, 53. | 2.5 | 5 |
| 25 | Atrasentan (ABT-627) enhances perfusion and reduces hypoxia in a human tumor xenograft model. Cancer Biology and Therapy, 2009, 8, 1940-1946. | 3.4 | 4 |
| 26 | Molecular Imaging for Personalized Medicine. BioMed Research International, 2016, 2016, 1-1. | 1.9 | 2 |
| 27 | Analysis of capecitabine metabolites in conjunction with digital autoradiography in a murine model of pancreatic cancer suggests extensive drug penetration through the tumor. Pharmacology Research and Perspectives, 2022, 10, e00898. | 2.4 | 0 |