# The autophagic response to radiation: relevance for radiation sensitization in cancer therapy

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Radiation Research, 2014, 182, 363-7.

| # | Paper | IF | Citations |
|---|---|---|---|
| 34 | Autophagy Inhibition to Increase Radiosensitization in Breast Cancer. *Journal of Nuclear Medicine & Radiation Therapy*, **2015**, 6, | 0 | 23 |
| 33 | Chloroquine analogues in drug discovery: new directions of uses, mechanisms of actions and toxic manifestations from malaria to multifarious diseases. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 1608-21 | 5.1 | 258 |
| 32 | Coupling of physical characteristics of non-ionizing irradiation to specific mechanisms of cell death: are we there yet?. **2015**, | | |
| 31 | p53-mediated autophagic regulation: A prospective strategy for cancer therapy. *Cancer Letters*, **2015**, 363, 101-7 | 9.9 | 70 |
| 30 | Yet another function of p53--the switch that determines whether radiation-induced autophagy will be cytoprotective or nonprotective: implications for autophagy inhibition as a therapeutic strategy. *Molecular Pharmacology*, **2015**, 87, 803-14 | 4.3 | 35 |
| 29 | Autophagy and Cancer Chemotherapy: Inhibition or Enhancement?. *Single Cell Biology*, **2016**, 5, | | |
| 28 | Modern Radiotherapy Concepts and the Impact of Radiation on Immune Activation. *Frontiers in Oncology*, **2016**, 6, 141 | 5.3 | 88 |
| 27 | The Challenge of Developing Autophagy Inhibition as a Therapeutic Strategy. *Cancer Research*, **2016**, 76, 5610-5614 | 10.1 | 40 |
| 26 | To live or let die: Unclear task of autophagy in the radiosensitization battle. *Radiotherapy and Oncology*, **2016**, 119, 265-75 | 5.3 | 31 |
| 25 | Radiosensitization by PARP Inhibition in DNA Repair Proficient and Deficient Tumor Cells: Proliferative Recovery in Senescent Cells. *Radiation Research*, **2016**, 185, 229-45 | 3.1 | 49 |
| 24 | Crosstalk Between Cancer Associated Fibroblasts and Cancer Cells in the Tumor Microenvironment After Radiotherapy. *EBioMedicine*, **2017**, 17, 7-8 | 8.8 | 10 |
| 23 | Upregulation of NRF2 through autophagy/ERK 1/2 ameliorates ionizing radiation induced cell death of human osteosarcoma U-2 OS. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2017**, 813, 10-17 | 3 | 16 |
| 22 | Research progress of hydroxychloroquine and autophagy inhibitors on cancer. *Cancer Chemotherapy and Pharmacology*, **2017**, 79, 287-294 | 3.5 | 77 |
| 21 | Efficient cell death induction in human glioblastoma cells by photodynamic treatment with Tetrahydroporphyrin-Tetratosylat (THPTS) and ionizing irradiation. *Oncotarget*, **2017**, 8, 72411-72423 | 3.3 | 10 |
| 20 | Radiosensitivity enhancement of FeO@Ag nanoparticles on human glioblastoma cells. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, 975-984 | 6.1 | 17 |
| 19 | The potentially conflicting cell autonomous and cell non-autonomous functions of autophagy in mediating tumor response to cancer therapy. *Biochemical Pharmacology*, **2018**, 153, 46-50 | 6 | 7 |
| 18 | Modulators of Redox Metabolism in Head and Neck Cancer. *Antioxidants and Redox Signaling*, **2018**, 29, 1660-1690 | 8.4 | 9 |

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|---|---|---|---|
| 17 | Differential Radiation Sensitivity in p53 Wild-Type and p53-Deficient Tumor Cells Associated with Senescence but not Apoptosis or (Nonprotective) Autophagy. *Radiation Research*, **2018**, 190, 538-557 | 3.1 | 16 |
| 16 | New Insights Into Beclin-1: Evolution and Pan-Malignancy Inhibitor Activity. *Advances in Cancer Research*, **2018**, 137, 77-114 | 5.9 | 11 |
| 15 | Nonhistone human chromatin protein PC4 is critical for genomic integrity and negatively regulates autophagy. *FEBS Journal*, **2019**, 286, 4422-4442 | 5.7 | 9 |
| 14 | Regulatory roles of miR-22/Redd1-mediated mitochondrial ROS and cellular autophagy in ionizing radiation-induced BMSC injury. *Cell Death and Disease*, **2019**, 10, 227 | 9.8 | 24 |
| 13 | Saikosaponin-d Increases the Radiosensitivity of Hepatoma Cells by Adjusting Cell Autophagy. *Journal of Cancer*, **2019**, 10, 4947-4953 | 4.5 | 11 |
| 12 | Autophagy induced by ionizing radiation promotes cell death over survival in human colorectal cancer cells. *Experimental Cell Research*, **2019**, 374, 29-37 | 4.2 | 20 |
| 11 | Autophagy Takes Center Stage as a Possible Cancer Hallmark. *Frontiers in Oncology*, **2020**, 10, 586069 | 5.3 | 12 |
| 10 | Resistance to Anti-angiogenic Therapies: A Mechanism Depending on the Time of Exposure to the Drugs. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 584 | 5.7 | 16 |
| 9 | Hydroxychloroquine-loaded hollow mesoporous silica nanoparticles for enhanced autophagy inhibition and radiation therapy. *Journal of Controlled Release*, **2020**, 325, 100-110 | 11.7 | 23 |
| 8 | Sustained oxidative stress instigates differentiation of cancer stem cells into tumor endothelial cells: Pentose phosphate pathway, reactive oxygen species and autophagy crosstalk. *Biomedicine and Pharmacotherapy*, **2021**, 139, 111643 | 7.5 | 5 |
| 7 | Combining Heavy-Ion Therapy with Immunotherapy: An Update on Recent Developments. *International Journal of Particle Therapy*, **2018**, 5, 84-93 | 1.5 | 13 |
| 6 | Autophagy and Hallmarks of Cancer. *Critical Reviews in Oncogenesis*, **2018**, 23, 247-267 | 1.3 | 48 |
| 5 | Healthy CD4+ T lymphocytes are not affected by targeted therapies against the PI3K/Akt/mTOR pathway in T-cell acute lymphoblastic leukemia. *Oncotarget*, **2016**, 7, 55690-55703 | 3.3 | 11 |
| 4 | Non-histone human chromatin protein, PC4 is critical for genomic integrity and negatively regulates autophagy. | | |
| 3 | Radiosensitizing Pancreatic Cancer via Effective Autophagy Inhibition. *Molecular Cancer Therapeutics*, **2021**, | 6.1 | 0 |
| 2 | Dexamethasone Interferes with Autophagy and Affects Cell Survival in Irradiated Malignant Glioma Cells. *Journal of Korean Neurosurgical Society*, **2020**, 63, 566-578 | 2.3 | 2 |
| 1 | Increased skin reactions with hydroxychloroquine during breast radiotherapy. *Journal of Cancer Research and Therapeutics*, **2022**, | 1.2 | |