Adriana Haimovitz-Friedman

List of Publications by Year
in descending order

57 papers	6,653 citations	172457 29 h-index	182427 51 g-index
60 all docs	60 docs citations	60 times ranked	7097 citing authors

#	Article	IF	Citations
1	Requirement for ceramide-initiated SAPK/JNK signalling in stress-induced apoptosis. Nature, 1996, 380, 75-79.	27.8	1,789
2	Tumor Response to Radiotherapy Regulated by Endothelial Cell Apoptosis. Science, 2003, 300, 1155-1159.	12.6	1,474
3	Acid Sphingomyelinaseâ€"Deficient Human Lymphoblasts and Mice Are Defective in Radiation-Induced Apoptosis. Cell, 1996, 86, 189-199.	28.9	780
4	Ceramide synthases 2, 5, and 6 confer distinct roles in radiation-induced apoptosis in HeLa cells. Cellular Signalling, 2010, 22, 1300-1307.	3.6	188
5	Ceramide Biogenesis Is Required for Radiation-Induced Apoptosis in the Germ Line of C. elegans. Science, 2008, 322, 110-115.	12.6	181
6	Crypt Base Columnar Stem Cells in Small Intestines of Mice Are Radioresistant. Gastroenterology, 2012, 143, 1266-1276.	1.3	178
7	P-selectin is a nanotherapeutic delivery target in the tumor microenvironment. Science Translational Medicine, 2016, 8, 345ra87.	12.4	152
8	ATM regulates target switching to escalating doses of radiation in the intestines. Nature Medicine, 2005, 11, 484-490.	30.7	136
9	Radiation therapy causes loss of dermal lymphatic vessels and interferes with lymphatic function by TGF-Î²1-mediated tissue fibrosis. American Journal of Physiology - Cell Physiology, 2010, 299, C589-C605.	4.6	124
10	Mitochondrial Ceramide-Rich Macrodomains Functionalize Bax upon Irradiation. PLoS ONE, 2011, 6, e19783.	2.5	122
11	Anti-ceramide antibody prevents the radiation gastrointestinal syndrome in mice. Journal of Clinical Investigation, 2012, 122, 1786-1790.	8.2	110
12	Endothelial Membrane Remodeling Is Obligate for Anti-Angiogenic Radiosensitization during Tumor Radiosurgery. PLoS ONE, 2010, 5, e12310.	2.5	101
13	Safingol (l-threo-sphinganine) induces autophagy in solid tumor cells through inhibition of PKC and the PI3-kinase pathway. Autophagy, 2009, 5, 184-193.	9.1	97
14	Tumour-specific PI3K inhibition via nanoparticle-targeted delivery in head and neck squamous cell carcinoma. Nature Communications, 2017, 8, 14292.	12.8	90
15	Transforming growth factor-?1 stimulates macrophage urokinase expression and release of matrix-bound basic fibroblast growth factor. Journal of Cellular Physiology, 1993, 155, 595-605.	4.1	89
16	An optical nanoreporter of endolysosomal lipid accumulation reveals enduring effects of diet on hepatic macrophages in vivo. Science Translational Medicine, 2018, 10, .	12.4	80
17	Kinetic characterization of mammalian ceramide synthases: Determination of K_m values towards sphinganine. FEBS Letters, 2007, 581, 5289-5294.	2.8	73
18	Bax and Bak Do Not Exhibit Functional Redundancy in Mediating Radiation-Induced Endothelial Apoptosis in the Intestinal Mucosa. International Journal of Radiation Oncology Biology Physics, 2008, 70, 804-815.	0.8	62

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19	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
20	Impact of Stromal Sensitivity on Radiation Response of Tumors Implanted in SCID Hosts Revisited. Cancer Research, 2010, 70, 8179-8186.	0.9	57
21	Immunomodulatory Effects of Stereotactic Body Radiation Therapy: Preclinical Insights and Clinical Opportunities. International Journal of Radiation Oncology Biology Physics, 2021, 110, 35-52.	0.8	54
22	Down-regulation of ATM Protein Sensitizes Human Prostate Cancer Cells to Radiation-induced Apoptosis. Journal of Biological Chemistry, 2005, 280, 23262-23272.	3.4	50
23	Single-dose radiotherapy disables tumor cell homologous recombination via ischemia/reperfusion injury. Journal of Clinical Investigation, 2019, 129, 786-801.	8.2	50
24	A Ceramide-binding C1 Domain Mediates Kinase Suppressor of Ras Membrane Translocation. Cellular Physiology and Biochemistry, 2009, 24, 219-230.	1.6	46
25	Axitinib sensitization of high Single Dose Radiotherapy. Radiotherapy and Oncology, 2014, 111, 88-93.	0.6	44
26	Distinct Levels of Radioresistance in Lgr5+ Colonic Epithelial Stem Cells versus Lgr5+ Small Intestinal Stem Cells. Cancer Research, 2017, 77, 2124-2133.	0.9	44
27	Conformationally Constrained Analogues of Diacylglycerol. 29. Cells Sort Diacylglycerol-Lactone Chemical Zip Codes to Produce Diverse and Selective Biological Activities. Journal of Medicinal Chemistry, 2008, 51, 5198-5220.	6.4	40
28	Radiation-Induced Microvascular Injury as a Mechanism of Salivary Gland Hypofunction and Potential Target for Radioprotectors. Radiation Research, 2016, 186, 189-195.	1.5	35
29	Logarithmic expansion of LGR5 + cells in human colorectal cancer. Cellular Signalling, 2018, 42, 97-105.	3.6	35
30	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
31	Organoids Reveal That Inherent Radiosensitivity of Small and Large Intestinal Stem Cells Determines Organ Sensitivity. Cancer Research, 2020, 80, 1219-1227.	0.9	30
32	Regulation of Ceramide Synthaseâ€“Mediated Crypt Epithelium Apoptosis by DNA Damage Repair Enzymes. Cancer Research, 2010, 70, 957-967.	0.9	27
33	Adenoviral Transduction of Human Acid Sphingomyelinase into Neo-Angiogenic Endothelium Radiosensitizes Tumor Cure. PLoS ONE, 2013, 8, e69025.	2.5	22
34	Novel mechanisms of action of classical chemotherapeutic agents on sphingolipid pathways. Biological Chemistry, 2015, 396, 669-679.	2.5	22
35	Stress response genes induced in mammalian cells by ionizing radiation. Radiation Oncology Investigations, 1993, 1, 81-93.	0.9	18
36	PKCÎ± activation down-regulates ATM and radio-sensitizes androgen-sensitive human prostate cancer cells in vitro and in vivo. Cancer Biology and Therapy, 2009, 8, 54-63.	3.4	18

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37	Kinase suppressor of Ras transphosphorylates c-Raf-1. Biochemical and Biophysical Research Communications, 2009, 390, 434-440.	2.1	17
38	Targeting acid sphingomyelinase with anti-angiogenic chemotherapy. Cellular Signalling, 2017, 29, 52-61.	3.6	17
39	Gemcitabine kills proliferating endothelial cells exclusively via acid sphingomyelinase activation. Cellular Signalling, 2017, 34, 86-91.	3.6	16
40	Imaging Radiotherapy-Induced Apoptosis. Radiation Research, 2012, 177, 467-482.	1.5	15
41	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
42	Differential inhibition of radiation-induced apoptosis. Stem Cells, 1997, 15, 43-47.	3.2	13
43	Targeting Homologous Recombination in Notch-Driven C. elegans Stem Cell and Human Tumors. PLoS ONE, 2015, 10, e0127862.	2.5	11
44	Photobiomodulation effects on head and neck squamous cell carcinoma (HNSCC) in an orthotopic animal model. Supportive Care in Cancer, 2020, 28, 2721-2727.	2.2	10
45	Sphingolipidsâ€™ Role in Radiotherapy for Prostate Cancer. Handbook of Experimental Pharmacology, 2013, , 115-130.	1.8	7
46	Phosphorylation state of Ser165 in Î±-tubulin is a toggle switch that controls proliferating human breast tumors. Cellular Signalling, 2018, 52, 74-82.	3.6	5
47	Chemotherapy-induced acute vascular injury involves intracellular generation of ROS via activation of the acid sphingomyelinase pathway. Cellular Signalling, 2021, 82, 109969.	3.6	5
48	Pazopanib radio-sensitization of human sarcoma tumors. Oncotarget, 2018, 9, 9311-9324.	1.8	4
49	Chemotherapeutic Agents-Induced Ceramide-Rich Platforms (CRPs) in Endothelial Cells and Their Modulation. Methods in Molecular Biology, 2021, 2187, 215-221.	0.9	1
50	Manipulating Oxidative Stress Following Ionizing Radiation. , 2020, 1, 8-13.		1
51	Abstract 15364: Radiation Exposure of the Base of the Heart Accelerates Coronary Atherosclerosis. Circulation, 2020, 142, .	1.6	1
52	Preface: Nanotechnology in Imaging and Cancer Therapy. Critical Reviews in Oncogenesis, 2014, 19, v-vii.	0.4	0
53	Abstract 1406: Involvement of DNA repair pathways in DAG-lactone radiosensitization of human LNCaP cells. , 2010, , .		0
54	Abstract LB-215: Epigenetic loss-of-function BRCA1 mediates tumor cure by single dose radiotherapy. , 2015, , .		0

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55	Abstract 3347: Radiation-induced gastrointestinal (GI) syndrome as a function of age. , 2015, , .		0
56	Abstract 4122: Tumor-specific PI3K inhibition via nanoparticle targeted delivery in head and neck squamous cell carcinoma. , 2017, , .		0
57	Abstract 3735: An anti-tumor immune response is evoked by partial-volume single dose radiation. , 2019, , .		0