

Marianne Koritzinsky

List of Publications by Year in descending order

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57
papers

6,696
citations

109137

35
h-index

155451

55
g-index

57
all docs

57
docs citations

57
times ranked

11339
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia signalling through mTOR and the unfolded protein response in cancer. <i>Nature Reviews Cancer</i> , 2008, 8, 851-864.	12.8	787
2	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. <i>Journal of Clinical Investigation</i> , 2010, 120, 127-141.	3.9	675
3	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. <i>EMBO Journal</i> , 2005, 24, 3470-3481.	3.5	634
4	Regulation of Protein Synthesis by Hypoxia via Activation of the Endoplasmic Reticulum Kinase PERK and Phosphorylation of the Translation Initiation Factor eIF2 \pm . <i>Molecular and Cellular Biology</i> , 2002, 22, 7405-7416.	1.1	606
5	Hypoxia-Mediated Down-Regulation of Bid and Bax in Tumors Occurs via Hypoxia-Inducible Factor 1-Dependent and -Independent Mechanisms and Contributes to Drug Resistance. <i>Molecular and Cellular Biology</i> , 2004, 24, 2875-2889.	1.1	355
6	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. <i>EMBO Journal</i> , 2006, 25, 1114-1125.	3.5	328
7	Chronic Hypoxia Decreases Synthesis of Homologous Recombination Proteins to Offset Chemoresistance and Radioresistance. <i>Cancer Research</i> , 2008, 68, 605-614.	0.4	286
8	Reprogramming Metabolism with Metformin Improves Tumor Oxygenation and Radiotherapy Response. <i>Clinical Cancer Research</i> , 2013, 19, 6741-6750.	3.2	268
9	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. <i>Nature Communications</i> , 2014, 5, 5203.	5.8	195
10	PERK/eIF2 \pm signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4622-4627.	3.3	193
11	Molecular targeting of hypoxia in radiotherapy. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 45-62.	6.6	146
12	Control of the hypoxic response through regulation of mRNA translation. <i>Seminars in Cell and Developmental Biology</i> , 2005, 16, 487-501.	2.3	141
13	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. <i>Radiotherapy and Oncology</i> , 2009, 92, 411-416.	0.3	130
14	Translational control of gene expression during hypoxia. <i>Cancer Biology and Therapy</i> , 2006, 5, 749-755.	1.5	126
15	The amino acid sensor GCN2 inhibits inflammatory responses to apoptotic cells promoting tolerance and suppressing systemic autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10774-10779.	3.3	119
16	Two phases of disulfide bond formation have differing requirements for oxygen. <i>Journal of Cell Biology</i> , 2013, 203, 615-627.	2.3	113
17	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. <i>Radiotherapy and Oncology</i> , 2005, 76, 177-186.	0.3	105
18	Hypoxic Activation of the PERK/eIF2 \pm Arm of the Unfolded Protein Response Promotes Metastasis through Induction of LAMP3. <i>Clinical Cancer Research</i> , 2013, 19, 6126-6137.	3.2	105

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19	Metformin: A Novel Biological Modifier of Tumor Response to Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 454-464.	0.4	94
20	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.	2.5	93
21	Modulation of cell death in the tumor microenvironment. <i>Seminars in Radiation Oncology</i> , 2003, 13, 31-41.	1.0	91
22	Hypoxic activation of the unfolded protein response (UPR) induces expression of the metastasis-associated gene LAMP3. <i>Radiotherapy and Oncology</i> , 2009, 92, 450-459.	0.3	86
23	Hypoxia and Predicting Radiation Response. <i>Seminars in Radiation Oncology</i> , 2015, 25, 260-272.	1.0	73
24	Identification of P450 Oxidoreductase as a Major Determinant of Sensitivity to Hypoxia-Activated Prodrugs. <i>Cancer Research</i> , 2015, 75, 4211-4223.	0.4	65
25	Hypoxia-induced Expression of Carbonic Anhydrase 9 Is Dependent on the Unfolded Protein Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 24204-24212.	1.6	57
26	Phosphorylation of eIF2 β is required for mRNA translation inhibition and survival during moderate hypoxia. <i>Radiotherapy and Oncology</i> , 2007, 83, 353-361.	0.3	54
27	AMPK regulates metabolism and survival in response to ionizing radiation. <i>Radiotherapy and Oncology</i> , 2011, 99, 293-299.	0.3	53
28	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer. <i>Radiotherapy and Oncology</i> , 2012, 102, 436-443.	0.3	50
29	Hypoxia Provokes Base Excision Repair Changes and a Repair-Deficient, Mutator Phenotype in Colorectal Cancer Cells. <i>Molecular Cancer Research</i> , 2014, 12, 1407-1415.	1.5	47
30	Hypoxia and Regulation of Messenger RNA Translation. <i>Methods in Enzymology</i> , 2007, 435, 247-273.	0.4	45
31	The mTOR target 4E β 1 contributes to differential protein expression during normoxia and hypoxia through changes in mRNA translation efficiency. <i>Proteomics</i> , 2008, 8, 1019-1028.	1.3	45
32	New small molecule inhibitors of UPR activation demonstrate that PERK, but not IRE1 β signaling is essential for promoting adaptation and survival to hypoxia. <i>Radiotherapy and Oncology</i> , 2013, 108, 541-547.	0.3	41
33	Contributions of AMPK and p53 dependent signaling to radiation response in the presence of metformin. <i>Radiotherapy and Oncology</i> , 2013, 108, 446-450.	0.3	41
34	The Roles of Reactive Oxygen Species and Autophagy in Mediating the Tolerance of Tumor Cells to Cycling Hypoxia. <i>Seminars in Radiation Oncology</i> , 2013, 23, 252-261.	1.0	41
35	Targeting the CXCL12/CXCR4 pathway and myeloid cells to improve radiation treatment of locally advanced cervical cancer. <i>International Journal of Cancer</i> , 2018, 143, 1017-1028.	2.3	39
36	Patterns of tumor oxygenation and their influence on the cellular hypoxic response and hypoxia-directed therapies. <i>Drug Resistance Updates</i> , 2006, 9, 185-197.	6.5	37

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37	Translational control is a major contributor to hypoxia induced gene expression. <i>Radiotherapy and Oncology</i> , 2011, 99, 379-384.	0.3	37
38	Inhibition of 4E-BP1 Sensitizes U87 Glioblastoma Xenograft Tumors to Irradiation by Decreasing Hypoxia Tolerance. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1219-1227.	0.4	36
39	MATE2 Expression Is Associated with Cancer Cell Response to Metformin. <i>PLoS ONE</i> , 2016, 11, e0165214.	1.1	25
40	Regulation of Cited2 expression provides a functional link between translational and transcriptional responses during hypoxia. <i>Radiotherapy and Oncology</i> , 2007, 83, 346-352.	0.3	24
41	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. <i>Molecular Cancer Research</i> , 2018, 16, 682-695.	1.5	24
42	Mammary epithelial cells have lineage-rooted metabolic identities. <i>Nature Metabolism</i> , 2021, 3, 665-681.	5.1	24
43	Deficient carbonic anhydrase 9 expression in UPR-impaired cells is associated with reduced survival in an acidic microenvironment. <i>Radiotherapy and Oncology</i> , 2009, 92, 437-442.	0.3	23
44	Modeling Cellular Response in Large-Scale Radiogenomic Databases to Advance Precision Radiotherapy. <i>Cancer Research</i> , 2019, 79, 6227-6237.	0.4	23
45	Proteomic analysis of gene expression following hypoxia and reoxygenation reveals proteins involved in the recovery from endoplasmic reticulum and oxidative stress. <i>Radiotherapy and Oncology</i> , 2007, 83, 340-345.	0.3	21
46	Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction. <i>Radiotherapy and Oncology</i> , 2011, 99, 385-391.	0.3	21
47	p38 MAPK Inhibition Mitigates Hypoxia-Induced AR Signaling in Castration-Resistant Prostate Cancer. <i>Cancers</i> , 2021, 13, 831.	1.7	16
48	NOX4 links metabolic regulation in pancreatic cancer to endoplasmic reticulum redox vulnerability and dependence on PRDX4. <i>Science Advances</i> , 2021, 7, .	4.7	15
49	Post-transcriptional regulation of MRE11 expression in muscle-invasive bladder tumours. <i>Oncotarget</i> , 2014, 5, 993-1003.	0.8	12
50	Emergence of Enzalutamide Resistance in Prostate Cancer is Associated with BCL-2 and IKKB Dependencies. <i>Clinical Cancer Research</i> , 2021, 27, 2340-2351.	3.2	10
51	Identifying the murine mammary cell target of metformin exposure. <i>Communications Biology</i> , 2019, 2, 192.	2.0	8
52	Oxygen-independent disulfide bond formation in VEGF-A and CA9. <i>Journal of Biological Chemistry</i> , 2021, 296, 100505.	1.6	5
53	Repurposing Itraconazole and Hydroxychloroquine to Target Lysosomal Homeostasis in Epithelial Ovarian Cancer. <i>Cancer Research Communications</i> , 2022, 2, 293-306.	0.7	4
54	Metabolic Regulation of Hippocampal Neuroprogenitor Apoptosis After Irradiation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 325-335.	0.9	2

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55	Strategic Training in Transdisciplinary Radiation Science for the 21st Century (STARS21): 15-Year Evaluation of an Innovative Research Training Program. International Journal of Radiation Oncology Biology Physics, 2021, 110, 656-666.	0.4	2
56	Identification of Acquired Notch3 Dependency in Metastatic Head and Neck Cancer. SSRN Electronic Journal, 0, , .	0.4	0
57	Translational Control by 4E-BP1/2 Suppressor Proteins Regulates Mitochondrial Biosynthesis and Function during CD8 ⁺ T Cell Proliferation. Journal of Immunology, 2022, 208, 2702-2712.	0.4	0