Zahid N Rabbani

List of Publications by Year
in descending order

55 papers	5,540 citations	101384 36 h-index	155451 55 g-index
55 all docs	55 docs citations	55 times ranked	7178 citing authors

#	Article	IF	Citations
1	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. Journal of Clinical Investigation, 2008, 118, 3930-42.	3.9	1,225
2	Regulation of HIF-1Î± Stability through S-Nitrosylation. Molecular Cell, 2007, 26, 63-74.	4.5	399
3	Pleiotropic effects of HIF-1 blockade on tumor radiosensitivity. Cancer Cell, 2005, 8, 99-110.	7.7	381
4	In vivo selection of tumor-targeting RNA motifs. Nature Chemical Biology, 2010, 6, 22-24.	3.9	238
5	Radiation-induced hypoxia may perpetuate late normal tissue injury. International Journal of Radiation Oncology Biology Physics, 2001, 50, 851-855.	0.4	183
6	A small molecular weight catalytic metalloporphyrin antioxidant with superoxide dismutase (SOD) mimetic properties protects lungs from radiation-induced injury. Free Radical Biology and Medicine, 2002, 33, 857-863.	1.3	180
7	Expression of HIF-1Î±, CA IX, VEGF, and MMP-9 in surgically resected non-small cell lung cancer. Lung Cancer, 2005, 49, 325-335.	0.9	159
8	Tumor Necrosis Factor-Î± Is a Potent Endogenous Mutagen that Promotes Cellular Transformation. Cancer Research, 2006, 66, 11565-11570.	0.4	141
9	Temporal Onset of Hypoxia and Oxidative Stress After Pulmonary Irradiation. International Journal of Radiation Oncology Biology Physics, 2007, 68, 196-204.	0.4	134
10	Small Molecular Inhibitor of Transforming Growth Factor-Î² Protects Against Development of Radiation-Induced Lung Injury. International Journal of Radiation Oncology Biology Physics, 2008, 71, 829-837.	0.4	126
11	Antitransforming growth factorâ€"Î² antibody 1D11 ameliorates normal tissue damage caused by high-dose radiation. International Journal of Radiation Oncology Biology Physics, 2006, 65, 876-881.	0.4	120
12	Enhancement of Hypoxia-Induced Tumor Cell Death In vitro and Radiation Therapy In vivo by Use of Small Interfering RNA Targeted to Hypoxia-Inducible Factor-1Î±. Cancer Research, 2004, 64, 8139-8142.	0.4	118
13	Overexpression of extracellular superoxide dismutase protects mice from radiation-induced lung injury. International Journal of Radiation Oncology Biology Physics, 2003, 57, 1056-1066.	0.4	117
14	Using Biological Markers to Predict Risk of Radiation Injury. Seminars in Radiation Oncology, 2007, 17, 89-98.	1.0	104
15	Recent progress in defining mechanisms and potential targets for prevention of normal tissue injury after radiation therapy. International Journal of Radiation Oncology Biology Physics, 2005, 62, 255-259.	0.4	100
16	Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. International Journal of Radiation Oncology Biology Physics, 2007, 67, 573-580.	0.4	96
17	Erythropoietin Blockade Inhibits the Induction of Tumor Angiogenesis and Progression. PLoS ONE, 2007, 2, e549.	1.1	93
18	Antiangiogenic action of redox-modulating Mn(III) meso-tetrakis(N-ethylpyridinium-2-yl)porphyrin, MnTE-2-PyP5+, via suppression of oxidative stress in a mouse model of breast tumor. Free Radical Biology and Medicine, 2009, 47, 992-1004.	1.3	90

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19	Stable RNA Interferenceâ€"Mediated Suppression of Cyclophilin A Diminishes Nonâ€"Small-Cell Lung Tumor Growth In vivo. Cancer Research, 2005, 65, 8853-8860.	0.4	89
20	Carbonic Anhydrase IX in Early-Stage Nonâ€"Small Cell Lung Cancer. Clinical Cancer Research, 2004, 10, 7925-7933.	3.2	87
21	Overexpression of extracellular superoxide dismutase reduces acute radiation induced lung toxicity. BMC Cancer, 2005, 5, 59.	1.1	87
22	Cytokine profiling for prediction of symptomatic radiation-induced lung injury. International Journal of Radiation Oncology Biology Physics, 2005, 63, 1448-1454.	0.4	78
23	A manganese porphyrin superoxide dismutase mimetic enhances tumor radioresponsiveness. International Journal of Radiation Oncology Biology Physics, 2005, 63, 545-552.	0.4	73
24	Oxidative Stress Mediates Radiation Lung Injury by Inducing Apoptosis. International Journal of Radiation Oncology Biology Physics, 2012, 83, 740-748.	0.4	71
25	RNA Aptamer-targeted Inhibition of NF-Î°B Suppresses Non-small Cell Lung Cancer Resistance to Doxorubicin. Molecular Therapy, 2008, 16, 66-73.	3.7	70
26	Treatment with Imatinib in NSCLC is associated with decrease of phosphorylated PDGFR-Î² and VEGF expression, decrease in interstitial fluid pressure and improvement of oxygenation. British Journal of Cancer, 2006, 95, 1013-1019.	2.9	69
27	Soluble TGFÎ² TYPE II receptor gene therapy ameliorates acute radiation-induced pulmonary injury in rats. International Journal of Radiation Oncology Biology Physics, 2003, 57, 563-572.	0.4	64
28	Low molecular weight catalytic metalloporphyrin antioxidant AEOL 10150 protects lungs from fractionated radiation. Free Radical Research, 2007, 41, 1273-1282.	1.5	64
29	Erythropoietin inhibits apoptosis in breast cancer cells via an Akt-dependent pathway without modulating in vivo chemosensitivity. Molecular Cancer Therapeutics, 2006, 5, 356-361.	1.9	62
30	ASSESSMENT OF THE PROTECTIVE EFFECT OF AMIFOSTINE ON RADIATION-INDUCED PULMONARY TOXICITY. Experimental Lung Research, 2002, 28, 577-590.	0.5	60
31	Human recombinant erythropoietin (rEpo) has no effect on tumour growth or angiogenesis. British Journal of Cancer, 2005, 93, 1350-1355.	2.9	57
32	Treatment with imatinib improves drug delivery and efficacy in NSCLC xenografts. British Journal of Cancer, 2007, 97, 735-740.	2.9	57
33	The protective effect of recombinant human keratinocyte growth factor on radiation-induced pulmonary toxicity in rats. International Journal of Radiation Oncology Biology Physics, 2004, 60, 1520-1529.	0.4	49
34	H1 RNA polymerase III promoter-driven expression of an RNA aptamer leads to high-level inhibition of intracellular protein activity. Nucleic Acids Research, 2006, 34, 3577-3584.	6.5	49
35	Radioprotection of Lungs by Amifostine is Associated with Reduction in Profibrogenic Cytokine Activity. Radiation Research, 2002, 157, 656-660.	0.7	45
36	Carbonic anhydrase IX is a predictive marker of doxorubicin resistance in early-stage breast cancer independent of HER2 and TOP2A amplification. British Journal of Cancer, 2012, 106, 916-922.	2.9	41

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37	Role of Oxidative Stress in a Rat Model of Radiation-Induced Erectile Dysfunction. Journal of Sexual Medicine, 2012, 9, 1535-1549.	0.3	37
38	The Role of Hyperthermia in Regional Alkylating Agent Chemotherapy. Clinical Cancer Research, 2004, 10, 5919-5929.	3.2	31
39	Elevated CAIX Expression is Associated with an Increased Risk of Distant Failure in Early-Stage Cervical Cancer. Biomarker Insights, 2008, 3, BMI.S570.	1.0	30
40	Noninvasive In vivo Detection of Glutathione Metabolism in Tumors. Cancer Research, 2005, 65, 10149-10153.	0.4	28
41	Radiation-Induced Erectile Dysfunction Using Prostate-Confined Modern Radiotherapy in a Rat Model. Journal of Sexual Medicine, 2011, 8, 2215-2226.	0.3	27
42	Prognostic Significance of Carbonic Anhydrase IX (CA-IX), Endoglin (CD105) and 8-hydroxy-2â€²-deoxyguanosine (8-OHdG) in Breast Cancer Patients. Pathology and Oncology Research, 2011, 17, 593-603.	0.9	27
43	Role of Vitamin D3 as a Sensitizer to Cryoablation in a Murine Prostate Cancer Model: Preliminary In Vivo Study. Urology, 2010, 76, 764.e14-764.e20.	0.5	23
44	NF-Î°B inhibition by an adenovirus expressed aptamer sensitizes TNFÎ±-induced apoptosis. Biochemical and Biophysical Research Communications, 2007, 359, 475-480.	1.0	20
45	Her2/neu signaling blockade improves tumor oxygenation in a multifactorial fashion in Her2/neu+ tumors. Cancer Chemotherapy and Pharmacology, 2009, 63, 219-228.	1.1	20
46	Temporal expression of hypoxia-regulated genes is associated with early changes in redox status in irradiated lung. Free Radical Biology and Medicine, 2012, 53, 337-346.	1.3	19
47	Sickle Erythrocytes Target Cytotoxics to Hypoxic Tumor Microvessels and Potentiate a Tumoricidal Response. PLoS ONE, 2013, 8, e52543.	1.1	18
48	Morphology of hypoxia following cryoablation in a prostate cancer murine model: Its relationship to necrosis, apoptosis and, microvessel density. Cryobiology, 2010, 61, 148-154.	0.3	17
49	Phosphorylated epidermal growth factor receptor and cyclooxygenase-2 expression in localized non-small cell lung cancer. Medical Oncology, 2010, 27, 91-97.	1.2	15
50	<i>In vivo</i> MR studies of glycine and glutathione metabolism in a rat mammary tumor. NMR in Biomedicine, 2012, 25, 271-278.	1.6	14
51	Subcutaneous administration of bovine superoxide dismutase protects lungs from radiation-induced lung injury. Free Radical Research, 2015, 49, 1259-1268.	1.5	12
52	Mixing and delivery of multiple controlled oxygen environments to a single multiwell culture plate. American Journal of Physiology - Cell Physiology, 2018, 315, C766-C775.	2.1	12
53	Multiple Infusion Start Time Mass Spectrometry Imaging of Dynamic SIL-Glutathione Biosynthesis Using Infrared Matrix-Assisted Laser Desorption Electrospray Ionization. Journal of Proteome Research, 2021, , .	1.8	8
54	Flow-Encoded Oxygen Control to Track the Time-Dependence of Molecular Changes Induced by Static or Cycling Hypoxia. Analytical Chemistry, 2019, 91, 15032-15039.	3.2	4

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55	Erythropoietin and Erythropoietin Receptor Expression in Early Stage Non-Small Cell Lung Cancer: Prognostic Significance.. Blood, 2005, 106, 4258-4258.	0.6	2