

# Zahid N Rabbani

## List of Publications by Year in descending order

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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	Multiple Infusion Start Time Mass Spectrometry Imaging of Dynamic SIL-Glutathione Biosynthesis Using Infrared Matrix-Assisted Laser Desorption Electrospray Ionization. <i>Journal of Proteome Research</i> , 2021, , .	1.8	8
2	Flow-Encoded Oxygen Control to Track the Time-Dependence of Molecular Changes Induced by Static or Cycling Hypoxia. <i>Analytical Chemistry</i> , 2019, 91, 15032-15039.	3.2	4
3	Mixing and delivery of multiple controlled oxygen environments to a single multiwell culture plate. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C766-C775.	2.1	12
4	Subcutaneous administration of bovine superoxide dismutase protects lungs from radiation-induced lung injury. <i>Free Radical Research</i> , 2015, 49, 1259-1268.	1.5	12
5	Sickle Erythrocytes Target Cytotoxics to Hypoxic Tumor Microvessels and Potentiate a Tumoricidal Response. <i>PLoS ONE</i> , 2013, 8, e52543.	1.1	18
6	Oxidative Stress Mediates Radiation Lung Injury by Inducing Apoptosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 740-748.	0.4	71
7	Carbonic anhydrase IX is a predictive marker of doxorubicin resistance in early-stage breast cancer independent of HER2 and TOP2A amplification. <i>British Journal of Cancer</i> , 2012, 106, 916-922.	2.9	41
8	Temporal expression of hypoxia-regulated genes is associated with early changes in redox status in irradiated lung. <i>Free Radical Biology and Medicine</i> , 2012, 53, 337-346.	1.3	19
9	Role of Oxidative Stress in a Rat Model of Radiation-Induced Erectile Dysfunction. <i>Journal of Sexual Medicine</i> , 2012, 9, 1535-1549.	0.3	37
10	<i>In vivo</i> MR studies of glycine and glutathione metabolism in a rat mammary tumor. <i>NMR in Biomedicine</i> , 2012, 25, 271-278.	1.6	14
11	Radiation-Induced Erectile Dysfunction Using Prostate-Confined Modern Radiotherapy in a Rat Model. <i>Journal of Sexual Medicine</i> , 2011, 8, 2215-2226.	0.3	27
12	Prognostic Significance of Carbonic Anhydrase IX (CA-IX), Endoglin (CD105) and 8-hydroxy-2- $\alpha$ -deoxyguanosine (8-OHdG) in Breast Cancer Patients. <i>Pathology and Oncology Research</i> , 2011, 17, 593-603.	0.9	27
13	Phosphorylated epidermal growth factor receptor and cyclooxygenase-2 expression in localized non-small cell lung cancer. <i>Medical Oncology</i> , 2010, 27, 91-97.	1.2	15
14	In vivo selection of tumor-targeting RNA motifs. <i>Nature Chemical Biology</i> , 2010, 6, 22-24.	3.9	238
15	Morphology of hypoxia following cryoablation in a prostate cancer murine model: Its relationship to necrosis, apoptosis and, microvessel density. <i>Cryobiology</i> , 2010, 61, 148-154.	0.3	17
16	Role of Vitamin D3 as a Sensitizer to Cryoablation in a Murine Prostate Cancer Model: Preliminary In Vivo Study. <i>Urology</i> , 2010, 76, 764.e14-764.e20.	0.5	23
17	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. <i>Free Radical Biology and Medicine</i> , 2009, 47, 992-1004.	1.3	90
18	Her2/neu signaling blockade improves tumor oxygenation in a multifactorial fashion in Her2/neu+ tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 63, 219-228.	1.1	20

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19	Small Molecular Inhibitor of Transforming Growth Factor- $\beta$ 2 Protects Against Development of Radiation-Induced Lung Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 829-837.	0.4	126
20	RNA Aptamer-targeted Inhibition of NF- $\kappa$ B Suppresses Non-small Cell Lung Cancer Resistance to Doxorubicin. <i>Molecular Therapy</i> , 2008, 16, 66-73.	3.7	70
21	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3930-42.	3.9	1,225
22	Elevated CAIX Expression is Associated with an Increased Risk of Distant Failure in Early-Stage Cervical Cancer. <i>Biomarker Insights</i> , 2008, 3, BMI.S570.	1.0	30
23	Treatment with imatinib improves drug delivery and efficacy in NSCLC xenografts. <i>British Journal of Cancer</i> , 2007, 97, 735-740.	2.9	57
24	Low molecular weight catalytic metalloporphyrin antioxidant AEOL 10150 protects lungs from fractionated radiation. <i>Free Radical Research</i> , 2007, 41, 1273-1282.	1.5	64
25	NF- $\kappa$ B inhibition by an adenovirus expressed aptamer sensitizes TNF $\alpha$ -induced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 475-480.	1.0	20
26	Regulation of HIF-1 $\alpha$ Stability through S-Nitrosylation. <i>Molecular Cell</i> , 2007, 26, 63-74.	4.5	399
27	Erythropoietin Blockade Inhibits the Induction of Tumor Angiogenesis and Progression. <i>PLoS ONE</i> , 2007, 2, e549.	1.1	93
28	Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 573-580.	0.4	96
29	Temporal Onset of Hypoxia and Oxidative Stress After Pulmonary Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 196-204.	0.4	134
30	Using Biological Markers to Predict Risk of Radiation Injury. <i>Seminars in Radiation Oncology</i> , 2007, 17, 89-98.	1.0	104
31	H1 RNA polymerase III promoter-driven expression of an RNA aptamer leads to high-level inhibition of intracellular protein activity. <i>Nucleic Acids Research</i> , 2006, 34, 3577-3584.	6.5	49
32	Antitransforming growth factor- $\beta$ 2 antibody 1D11 ameliorates normal tissue damage caused by high-dose radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 65, 876-881.	0.4	120
33	Erythropoietin inhibits apoptosis in breast cancer cells via an Akt-dependent pathway without modulating in vivo chemosensitivity. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 356-361.	1.9	62
34	Tumor Necrosis Factor- $\alpha$ Is a Potent Endogenous Mutagen that Promotes Cellular Transformation. <i>Cancer Research</i> , 2006, 66, 11565-11570.	0.4	141
35	Treatment with Imatinib in NSCLC is associated with decrease of phosphorylated PDGFR- $\beta$ and VEGF expression, decrease in interstitial fluid pressure and improvement of oxygenation. <i>British Journal of Cancer</i> , 2006, 95, 1013-1019.	2.9	69
36	Recent progress in defining mechanisms and potential targets for prevention of normal tissue injury after radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 255-259.	0.4	100

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37	A manganese porphyrin superoxide dismutase mimetic enhances tumor radioresponsiveness. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 545-552.	0.4	73
38	Cytokine profiling for prediction of symptomatic radiation-induced lung injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 1448-1454.	0.4	78
39	Pleiotropic effects of HIF-1 blockade on tumor radiosensitivity. <i>Cancer Cell</i> , 2005, 8, 99-110.	7.7	381
40	Overexpression of extracellular superoxide dismutase reduces acute radiation induced lung toxicity. <i>BMC Cancer</i> , 2005, 5, 59.	1.1	87
41	Stable RNA Interference Mediated Suppression of Cyclophilin A Diminishes Non-Small-Cell Lung Tumor Growth In vivo. <i>Cancer Research</i> , 2005, 65, 8853-8860.	0.4	89
42	Human recombinant erythropoietin (rEpo) has no effect on tumour growth or angiogenesis. <i>British Journal of Cancer</i> , 2005, 93, 1350-1355.	2.9	57
43	Noninvasive In vivo Detection of Glutathione Metabolism in Tumors. <i>Cancer Research</i> , 2005, 65, 10149-10153.	0.4	28
44	Expression of HIF-1 $\alpha$ , CA IX, VEGF, and MMP-9 in surgically resected non-small cell lung cancer. <i>Lung Cancer</i> , 2005, 49, 325-335.	0.9	159
45	Erythropoietin and Erythropoietin Receptor Expression in Early Stage Non-Small Cell Lung Cancer: Prognostic Significance. <i>Blood</i> , 2005, 106, 4258-4258.	0.6	2
46	The Role of Hyperthermia in Regional Alkylating Agent Chemotherapy. <i>Clinical Cancer Research</i> , 2004, 10, 5919-5929.	3.2	31
47	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-1 $\alpha$ . <i>Cancer Research</i> , 2004, 64, 8139-8142.	0.4	118
48	Carbonic Anhydrase IX in Early-Stage Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2004, 10, 7925-7933.	3.2	87
49	The protective effect of recombinant human keratinocyte growth factor on radiation-induced pulmonary toxicity in rats. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 60, 1520-1529.	0.4	49
50	Soluble TGF $\beta$ 2 TYPE II receptor gene therapy ameliorates acute radiation-induced pulmonary injury in rats. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 57, 563-572.	0.4	64
51	Overexpression of extracellular superoxide dismutase protects mice from radiation-induced lung injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 57, 1056-1066.	0.4	117
52	Radioprotection of Lungs by Amifostine is Associated with Reduction in Profibrogenic Cytokine Activity. <i>Radiation Research</i> , 2002, 157, 656-660.	0.7	45
53	ASSESSMENT OF THE PROTECTIVE EFFECT OF AMIFOSTINE ON RADIATION-INDUCED PULMONARY TOXICITY. <i>Experimental Lung Research</i> , 2002, 28, 577-590.	0.5	60
54	A small molecular weight catalytic metalloporphyrin antioxidant with superoxide dismutase (SOD) mimetic properties protects lungs from radiation-induced injury. <i>Free Radical Biology and Medicine</i> , 2002, 33, 857-863.	1.3	180

#	ARTICLE	IF	CITATIONS
55	Radiation-induced hypoxia may perpetuate late normal tissue injury. International Journal of Radiation Oncology Biology Physics, 2001, 50, 851-855.	0.4	183