Shazib Pervaiz

List of Publications by Year in Descending Order

125 papers	16,094 citations	50 h-index	126 g-index
165 ext. papers	18,398 ext. citations	6.6 avg, IF	6.34 L-index

#	Paper	IF	Citations
125	Mitochondria-mediated oxidative stress during viral infection.. *Trends in Microbiology*, **2022**,	12.4	4
124	Interplay between Mitochondrial Metabolism and Cellular Redox State Dictates Cancer Cell Survival. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 1341604	6.7	5
123	Cellular senescence: Silent operator and therapeutic target in cancer. *IUBMB Life*, **2021**, 73, 530-542	4.7	1
122	Sustained IKK□phosphorylation and NF-B activation by superoxide-induced peroxynitrite-mediated nitrotyrosine modification of B56B and PP2A inactivation. *Redox Biology*, **2021**, 41, 101834	11.3	4
121	The redox-senescence axis and its therapeutic targeting. *Redox Biology*, **2021**, 45, 102032	11.3	7
120	TRAIL sensitivity of nasopharyngeal cancer cells involves redox dependent upregulation of TMTC2 and its interaction with membrane caspase-3. *Redox Biology*, **2021**, 48, 102193	11.3	
119	Resveratrol attenuates TLR-4 mediated inflammation and elicits therapeutic potential in models of sepsis. *Scientific Reports*, **2020**, 10, 18837	4.9	4
118	Redox signaling in the pathogenesis of human disease and the regulatory role of autophagy. *International Review of Cell and Molecular Biology*, **2020**, 352, 189-214	6	6
117	Peroxynitrite promotes serine-62 phosphorylation-dependent stabilization of the oncoprotein c-Myc. *Redox Biology*, **2020**, 34, 101587	11.3	7
116	Targeting Mitochondrial Apoptosis to Overcome Treatment Resistance in Cancer. *Cancers*, **2020**, 12,	6.6	24
115	Noncanonical Cell Fate Regulation by Bcl-2 Proteins. *Trends in Cell Biology*, **2020**, 30, 537-555	18.3	44
114	Targeting Cell Metabolism as Cancer Therapy. *Antioxidants and Redox Signaling*, **2020**, 32, 285-308	8.4	16
113	Superoxide induced inhibition of death receptor signaling is mediated via induced expression of apoptosis inhibitory protein cFLIP. *Redox Biology*, **2020**, 30, 101403	11.3	8
112	Serine-70 phosphorylated Bcl-2 prevents oxidative stress-induced DNA damage by modulating the mitochondrial redox metabolism. *Nucleic Acids Research*, **2020**, 48, 12727-12745	20.1	8
111	LAMA4 upregulation is associated with high liver metastasis potential and poor survival outcome of Pancreatic Cancer. *Theranostics*, **2020**, 10, 10274-10289	12.1	7
110	Redox inhibition of protein phosphatase PP2A: Potential implications in oncogenesis and its progression. *Redox Biology*, **2019**, 27, 101105	11.3	14
109	Understanding the cancer stem cell phenotype: A step forward in the therapeutic management of cancer. *Biochemical Pharmacology*, **2019**, 162, 79-88	6	11

108	A feedforward relationship between active Rac1 and phosphorylated Bcl-2 is critical for sustaining Bcl-2 phosphorylation and promoting cancer progression. *Cancer Letters*, **2019**, 457, 151-167	9.9	16
107	Gene expression analysis of heat-shock proteins and redox regulators reveals combinatorial prognostic markers in carcinomas of the gastrointestinal tract. *Redox Biology*, **2019**, 25, 101060	11.3	6
106	Metabolic reprogramming of oncogene-addicted cancer cells to OXPHOS as a mechanism of drug resistance. *Redox Biology*, **2019**, 25, 101076	11.3	42
105	gRASping the redox lever to modulate cancer cell fate signaling. *Redox Biology*, **2019**, 25, 101094	11.3	0
104	MnSOD is implicated in accelerated wound healing upon Negative Pressure Wound Therapy (NPWT): A case in point for MnSOD mimetics as adjuvants for wound management. *Redox Biology*, **2019**, 20, 307-320	11.3	21
103	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160
102	Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2. *Antioxidants and Redox Signaling*, **2018**, 29, 1215-1236	8.4	19
101	Reactive Oxygen Species and Oncoprotein Signaling-A Dangerous Liaison. *Antioxidants and Redox Signaling*, **2018**, 29, 1553-1588	8.4	13
100	KIF1B increases ROS to mediate apoptosis and reinforces its protein expression through O in a positive feedback mechanism in neuroblastoma. *Scientific Reports*, **2017**, 7, 16867	4.9	5
99	Manganese Superoxide Dismutase Expression Regulates the Switch Between an Epithelial and a Mesenchymal-Like Phenotype in Breast Carcinoma. *Antioxidants and Redox Signaling*, **2016**, 25, 283-99	8.4	32
98	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
97	Gelsolin-Cu/ZnSOD interaction alters intracellular reactive oxygen species levels to promote cancer cell invasion. *Oncotarget*, **2016**, 7, 52832-52848	3.3	15
96	Aberrant localization of apoptosis protease activating factor-1 in lipid raft sub-domains of diffuse large B cell lymphomas. *Oncotarget*, **2016**, 7, 83964-83975	3.3	2
95	Synthetic Lethality of a Novel Small Molecule Against Mutant KRAS-Expressing Cancer Cells Involves AKT-Dependent ROS Production. *Antioxidants and Redox Signaling*, **2016**, 24, 781-94	8.4	27
94	The anti-oxidant and pro-oxidant dichotomy of Bcl-2. *Biological Chemistry*, **2016**, 397, 585-93	4.5	5
93	Breast Cancer: A Molecular and Redox Snapshot. *Antioxidants and Redox Signaling*, **2016**, 25, 337-70	8.4	10
92	Multi-lineage differentiation of mesenchymal stem cells - To Wnt, or not Wnt. *International Journal of Biochemistry and Cell Biology*, **2015**, 68, 139-47	5.6	66
91	Hippo circuitry and the redox modulation of hippo components in cancer cell fate decisions. *International Journal of Biochemistry and Cell Biology*, **2015**, 69, 20-8	5.6	13

90	Overexpression of Bcl-2 induces STAT-3 activation via an increase in mitochondrial superoxide. *Oncotarget*, **2015**, 6, 34191-205	3.3	26
89	Mitochondrial ROS and involvement of Bcl-2 as a mitochondrial ROS regulator. *Mitochondrion*, **2014**, 19 Pt A, 39-48	4.9	84
88	Ser70 phosphorylation of Bcl-2 by selective tyrosine nitration of PP2A-B56 stabilizes its antiapoptotic activity. *Blood*, **2014**, 124, 2223-34	2.2	59
87	A high-content phenotypic screen reveals the disruptive potency of quinacrine and 3,4-dichlorobenzamil on the digestive vacuole of Plasmodium falciparum. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 550-8	5.9	19
86	Akt mediated ROS-dependent selective targeting of mutant KRAS tumors. *Free Radical Biology and Medicine*, **2014**, 75 Suppl 1, S13	7.8	2
85	Manganese superoxide dismutase is a promising target for enhancing chemosensitivity of basal-like breast carcinoma. *Antioxidants and Redox Signaling*, **2014**, 20, 2326-46	8.4	31
84	Crosstalk Between p53 and Mitochondrial Metabolism **2014**, 327-348		1
83	ROS, autophagy, mitochondria and cancer: Ras, the hidden master?. *Mitochondrion*, **2013**, 13, 155-62	4.9	58
82	FLIP: a flop for execution signals. *Cancer Letters*, **2013**, 332, 151-5	9.9	17
81	Redox regulation of cancer cell migration and invasion. *Mitochondrion*, **2013**, 13, 246-53	4.9	114
80	A distinct reactive oxygen species profile confers chemoresistance in glioma-propagating cells and associates with patient survival outcome. *Antioxidants and Redox Signaling*, **2013**, 19, 2261-79	8.4	19
79	Computational modelling of LY303511 and TRAIL-induced apoptosis suggests dynamic regulation of cFLIP. *Bioinformatics*, **2013**, 29, 347-54	7.2	6
78	Influence of cell culture configuration on the post-cryopreservation viability of primary rat hepatocytes. *Biomaterials*, **2012**, 33, 829-36	15.6	18
77	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
76	Redox regulation of p53, redox effectors regulated by p53: a subtle balance. *Antioxidants and Redox Signaling*, **2012**, 16, 1285-94	8.4	132
75	The three Rs along the TRAIL: resistance, re-sensitization and reactive oxygen species (ROS). *Free Radical Research*, **2012**, 46, 996-1003	4	16
74	Reactive oxygen species (ROS) and sensitization to TRAIL-induced apoptosis, in Bayesian network modelling of HeLa cell response to LY303511. *Biochemical Pharmacology*, **2012**, 84, 1307-17	6	7
73	Crosstalk between Bcl-2 family and Ras family small GTPases: potential cell fate regulation?. *Frontiers in Oncology*, **2012**, 2, 206	5.3	15

72	NHE-1: a promising target for novel anti-cancer therapeutics. *Current Pharmaceutical Design*, **2012**, 18, 1372-82	3.3	58
71	Mitochondria: redox metabolism and dysfunction. *Biochemistry Research International*, **2012**, 2012, 896751	2.4	74
70	Redox pioneer: professor Barry Halliwell. *Antioxidants and Redox Signaling*, **2011**, 14, 1761-6	8.4	2
69	Assessment of oxidative stress-induced DNA damage by immunoflourescent analysis of 8-oxodG. *Methods in Cell Biology*, **2011**, 103, 99-113	1.8	28
68	hTERT overexpression alleviates intracellular ROS production, improves mitochondrial function, and inhibits ROS-mediated apoptosis in cancer cells. *Cancer Research*, **2011**, 71, 266-76	10.1	161
67	Bcl-2: a prime regulator of mitochondrial redox metabolism in cancer cells. *Antioxidants and Redox Signaling*, **2011**, 15, 2975-87	8.4	50
66	Repressing the activity of protein kinase CK2 releases the brakes on mitochondria-mediated apoptosis in cancer cells. *Current Drug Targets*, **2011**, 12, 902-8	3	2
65	The small GTPase Rac1 is a novel binding partner of Bcl-2 and stabilizes its antiapoptotic activity. *Blood*, **2011**, 117, 6214-26	2.2	62
64	Recent advances in apoptosis, mitochondria and drug resistance in cancer cells. *Biochimica Et Biophysica Acta - Bioenergetics*, **2011**, 1807, 735-45	4.6	382
63	Withaferin A induces apoptosis in human melanoma cells through generation of reactive oxygen species and down-regulation of Bcl-2. *Apoptosis: an International Journal on Programmed Cell Death*, **2011**, 16, 1014-27	5.4	107
62	Regulation of mitochondrial metabolism: yet another facet in the biology of the oncoprotein Bcl-2. *Biochemical Journal*, **2011**, 435, 545-51	3.8	65
61	Biphasic activity of CD137 ligand-stimulated monocytes on T cell apoptosis and proliferation. *Journal of Leukocyte Biology*, **2011**, 89, 707-20	6.5	6
60	Simultaneous induction of non-canonical autophagy and apoptosis in cancer cells by ROS-dependent ERK and JNK activation. *PLoS ONE*, **2010**, 5, e9996	3.7	191
59	Bcl-2 modulates resveratrol-induced ROS production by regulating mitochondrial respiration in tumor cells. *Antioxidants and Redox Signaling*, **2010**, 13, 807-19	8.4	59
58	Tumor cell redox state and mitochondria at the center of the non-canonical activity of telomerase reverse transcriptase. *Molecular Aspects of Medicine*, **2010**, 31, 21-8	16.7	26
57	TRAILing death in cancer. *Molecular Aspects of Medicine*, **2010**, 31, 93-112	16.7	103
56	Spontaneous and 5-fluorouracil-induced centrosome amplification lowers the threshold to resveratrol-evoked apoptosis in colon cancer cells. *Cancer Letters*, **2010**, 288, 36-41	9.9	22
55	BCL-2: pro-or anti-oxidant?. *Frontiers in Bioscience - Scholar*, **2009**, 1, 263-8	2.4	54

54	Resveratrol attenuates C5a-induced inflammatory responses in vitro and in vivo by inhibiting phospholipase D and sphingosine kinase activities. *FASEB Journal*, **2009**, 23, 2412-24	0.9	46
53	mitoEnergetics and cancer cell fate. *Biochimica Et Biophysica Acta - Bioenergetics*, **2009**, 1787, 462-7	4.6	6
52	Involvement of reactive oxygen species in apoptosis induced by pharmacological inhibition of protein kinase CK2. *Annals of the New York Academy of Sciences*, **2009**, 1171, 591-9	6.5	14
51	Resveratrol regulates the expression of NHE-1 by repressing its promoter activity: critical involvement of intracellular H2O2 and caspases 3 and 6 in the absence of cell death. *International Journal of Biochemistry and Cell Biology*, **2009**, 41, 945-56	5.6	13
50	Oxidative stress regulation of stem and progenitor cells. *Antioxidants and Redox Signaling*, **2009**, 11, 2777-89	8.4	138
49	Resveratrol: its biologic targets and functional activity. *Antioxidants and Redox Signaling*, **2009**, 11, 2851-97	8.4	330
48	LY303511 enhances TRAIL sensitivity of SHEP-1 neuroblastoma cells via hydrogen peroxide-mediated mitogen-activated protein kinase activation and up-regulation of death receptors. *Cancer Research*, **2009**, 69, 1941-50	10.1	69
47	Reactive Oxygen Species in Cell Fate Decisions **2009**, 199-221		4
46	ERK1/2 activation is required for resveratrol-induced apoptosis in MDA-MB-231 cells **2008**,		4
45	Resveratrol displays converse dose-related effects on 5-fluorouracil-evoked colon cancer cell apoptosis: the roles of caspase-6 and p53. *Cancer Biology and Therapy*, **2008**, 7, 1305-12	4.6	49
44	Cancer stem cell: target for anti-cancer therapy. *FASEB Journal*, **2007**, 21, 3777-85	0.9	210
43	Simultaneous analysis of steady-state intracellular pH and cell morphology by automated laser scanning cytometry. *Cytometry Part A: the Journal of the International Society for Analytical Cytology* , **2007**, 71, 87-93	4.6	20
42	Automated laser scanning cytometry: a powerful tool for multi-parameter analysis of drug-induced apoptosis. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2007**, 71, 80-6	4.6	17
41	Dominant negative Rac1 attenuates paclitaxel-induced apoptosis in human melanoma cells through upregulation of heat shock protein 27: a functional proteomic analysis. *Proteomics*, **2007**, 7, 4112-22	4.8	18
40	Resveratrol in cell fate decisions. *Journal of Bioenergetics and Biomembranes*, **2007**, 39, 59-63	3.7	56
39	Apoptosis in the pathophysiology of diabetes mellitus. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 497-504	5.6	68
38	Superoxide anion: oncogenic reactive oxygen species?. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 1297-304	5.6	127
37	Annexin 1: the new face of an old molecule. *FASEB Journal*, **2007**, 21, 968-75	0.9	304

36	Pro-oxidant milieu blunts scissors: insight into tumor progression, drug resistance, and novel druggable targets. *Current Pharmaceutical Design*, **2006**, 12, 4469-77	3.3	29
35	Editorial [Hot Topic: Cancer Cell Redox Status: Novel Target for Designing Strategies to Overcome Apoptosis Resistance (Executive Editor: S. Pervaiz)]. *Current Pharmaceutical Design*, **2006**, 12, 4409-4410	3.3	
34	Functional and evolutionary analyses on expressed intronless genes in the mouse genome. *FEBS Letters*, **2006**, 580, 1472-8	3.8	25
33	Apoptosis Gene Information System--AGIS. *Frontiers in Bioscience - Landmark*, **2006**, 11, 1814-7	2.8	
32	Functional proteomics of resveratrol-induced colon cancer cell apoptosis: caspase-6-mediated cleavage of lamin A is a major signaling loop. *Proteomics*, **2006**, 6, 2386-94	4.8	65
31	Art and science of photodynamic therapy. *Clinical and Experimental Pharmacology and Physiology*, **2006**, 33, 551-6	3	101
30	TNF receptor superfamily-induced cell death: redox-dependent execution. *FASEB Journal*, **2006**, 20, 1589-98	0.9	251
29	Plasma membrane sequestration of apoptotic protease-activating factor-1 in human B-lymphoma cells: a novel mechanism of chemoresistance. *Blood*, **2005**, 105, 4070-7	2.2	44
28	LY294002 and LY303511 sensitize tumor cells to drug-induced apoptosis via intracellular hydrogen peroxide production independent of the phosphoinositide 3-kinase-Akt pathway. *Cancer Research*, **2005**, 65, 6264-74	10.1	75
27	Production of intracellular superoxide mediates dithiothreitol-dependent inhibition of apoptotic cell death. *Antioxidants and Redox Signaling*, **2005**, 7, 456-64	8.4	23
26	Mechanism of Apoptosis by Resveratrol. *Oxidative Stress and Disease*, **2005**, 85-104		
25	Hydrogen peroxide-mediated cytosolic acidification is a signal for mitochondrial translocation of Bax during drug-induced apoptosis of tumor cells. *Cancer Research*, **2004**, 64, 7867-78	10.1	111
24	Tumor intracellular redox status and drug resistance--serendipity or a causal relationship?. *Current Pharmaceutical Design*, **2004**, 10, 1969-77	3.3	99
23	Resveratrol inhibits drug-induced apoptosis in human leukemia cells by creating an intracellular milieu nonpermissive for death execution. *Cancer Research*, **2004**, 64, 1452-9	10.1	80
22	Buried alive: a novel approach to cancer treatment. *FASEB Journal*, **2004**, 18, 1-4	0.9	23
21	Chemotherapeutic potential of the chemopreventive phytoalexin resveratrol. *Drug Resistance Updates*, **2004**, 7, 333-44	23.2	65
20	Pro-oxidant activity of low doses of resveratrol inhibits hydrogen peroxide-induced apoptosis. *Annals of the New York Academy of Sciences*, **2003**, 1010, 365-73	6.5	72
19	Resveratrol: from grapevines to mammalian biology. *FASEB Journal*, **2003**, 17, 1975-85	0.9	427

18	Hydrogen peroxide-induced apoptosis: oxidative or reductive stress?. *Methods in Enzymology*, **2002**, 352, 150-9	1.7	40
17	A permissive apoptotic environment: function of a decrease in intracellular superoxide anion and cytosolic acidification. *Biochemical and Biophysical Research Communications*, **2002**, 290, 1145-50	3.4	91
16	Anti-cancer drugs of today and tomorrow: are we close to making the turn from treating to curing cancer?. *Current Pharmaceutical Design*, **2002**, 8, 1723-34	3.3	15
15	Activation of the RacGTPase inhibits apoptosis in human tumor cells. *Oncogene*, **2001**, 20, 6263-8	9.2	106
14	Intracellular acidification triggered by mitochondrial-derived hydrogen peroxide is an effector mechanism for drug-induced apoptosis in tumor cells. *Journal of Biological Chemistry*, **2001**, 276, 514-21	5.4	116
13	Reactive oxygen-dependent production of novel photochemotherapeutic agents. *FASEB Journal*, **2001**, 15, 612-7	0.9	54
12	Resveratrol--from the bottle to the bedside?. *Leukemia and Lymphoma*, **2001**, 40, 491-8	1.9	38
11	Induction of mitochondrial permeability transition and cytochrome C release in the absence of caspase activation is insufficient for effective apoptosis in human leukemia cells. *Blood*, **2000**, 95, 1773-1780	2.2	48
10	Purified Photoproducts of Merocyanine 540 Trigger Cytochrome C Release and Caspase 8-Dependent Apoptosis in Human Leukemia and Melanoma Cells. *Blood*, **1999**, 93, 4096-4108	2.2	53
9	Reactive oxygen intermediates regulate cellular response to apoptotic stimuli: an hypothesis. *Free Radical Research*, **1999**, 30, 247-52	4	122
8	Superoxide anion inhibits drug-induced tumor cell death. *FEBS Letters*, **1999**, 459, 343-8	3.8	71
7	Caspase proteases mediate apoptosis induced by anticancer agent preactivated MC540 in human tumor cell lines. *Cancer Letters*, **1998**, 128, 11-22	9.9	22
6	Apoptosis induced by hydrogen peroxide is mediated by decreased superoxide anion concentration and reduction of intracellular milieu. *FEBS Letters*, **1998**, 440, 13-8	3.8	164
5	Chemopreventive Agent Resveratrol, a Natural Product Derived From Grapes, Triggers CD95 Signaling-Dependent Apoptosis in Human Tumor Cells. *Blood*, **1998**, 92, 996-1002	2.2	533
4	Protein damage by photoproducts of merocyanine 540. *Free Radical Biology and Medicine*, **1992**, 12, 389-98	7.6	18
3	Synergy between preactivated photofrin-II and tamoxifen in killing retrofibroma, pseudomyxoma and breast cancer cells. *European Journal of Cancer & Clinical Oncology*, **1991**, 27, 1034-9		11
2	Tumor cell specific dark cytotoxicity of light-exposed merocyanine 540: implications for systemic therapy without light. *Photochemistry and Photobiology*, **1990**, 52, 831-8	3.6	33
1	Preactivation--a novel antitumour and antiviral approach. *European Journal of Cancer & Clinical Oncology*, **1990**, 26, 551-3		13