

# Osamu Inanami

## List of Publications by Year in descending order

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173  
papers

4,395  
citations

126858

33  
h-index

143943

57  
g-index

178  
all docs

178  
docs citations

178  
times ranked

5184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionizing radiation induces mitochondrial reactive oxygen species production accompanied by upregulation of mitochondrial electron transport chain function and mitochondrial content under control of the cell cycle checkpoint. <i>Free Radical Biology and Medicine</i> , 2012, 53, 260-270.	1.3	314
2	Stimulation of the nucleus basalis of Meynert increases cerebral cortical blood flow in rats. <i>Neuroscience Letters</i> , 1989, 98, 39-44.	1.0	210
3	Activation of the Leukocyte NADPH Oxidase by Phorbol Ester Requires the Phosphorylation of p47 on Serine 303 or 304. <i>Journal of Biological Chemistry</i> , 1998, 273, 9539-9543.	1.6	169
4	Oral administration of (-)-catechin protects against ischemia-reperfusion-induced neuronal death in the gerbil. <i>Free Radical Research</i> , 1998, 29, 359-365.	1.5	134
5	Roles of p38 MAPK, PKC and PI3K in the signaling pathways of NADPH oxidase activation and phagocytosis in bovine polymorphonuclear leukocytes. <i>FEBS Letters</i> , 2000, 467, 253-258.	1.3	134
6	Activation of p47, a Cytosolic Subunit of the Leukocyte NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 1998, 273, 35147-35152.	1.6	129
7	Synthesis and characterization of a practically better DEPMPO-type spin trap, 5-(2,2-dimethyl-1,3-propoxy cyclophosphoryl)-5-methyl-1-pyrrolineN-oxide (CYPMPO). <i>Free Radical Research</i> , 2006, 40, 1166-1172.	1.5	102
8	Nitric oxide (NO) is involved in increased cerebral cortical blood flow following stimulation of the nucleus basalis of Meynert in anesthetized rats. <i>Neuroscience Letters</i> , 1992, 139, 201-204.	1.0	101
9	ER stress suppresses DNA double-strand break repair and sensitizes tumor cells to ionizing radiation by stimulating proteasomal degradation of Rad51. <i>FEBS Letters</i> , 2013, 587, 3348-3353.	1.3	92
10	Redox regulation in radiation-induced cytochrome c release from mitochondria of human lung carcinoma A549 cells. <i>Cancer Letters</i> , 2009, 277, 64-71.	3.2	91
11	Phosphoinositide 3-kinase regulates the phosphorylation of NADPH oxidase component p47 <sup>phox</sup> by controlling cPKC/PKC $\beta$ but not Akt. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 720-730.	1.0	69
12	Radiosensitization of tumor cells through endoplasmic reticulum stress induced by PEGylated nanogel containing gold nanoparticles. <i>Cancer Letters</i> , 2014, 347, 151-158.	3.2	64
13	The suppression of age-related accumulation of lipid peroxides in rat brain by administration of Rooibos tea ( <i>Aspalathus linearis</i> ). <i>Neuroscience Letters</i> , 1995, 196, 85-88.	1.0	57
14	Super paramagnetic iron oxide MRI shows defective Kupffer cell uptake function in non-alcoholic fatty liver disease. <i>Gut</i> , 2010, 59, 258-266.	6.1	56
15	Effects of BAPTA-AM and Forskolin on Apoptosis and Cytochrome c Release in Photosensitized Chinese Hamster V79 Cells. <i>Photochemistry and Photobiology</i> , 1999, 70, 650-655.	1.3	51
16	2-Chloro-2'-deoxyadenosine induces apoptosis through the Fas/Fas ligand pathway in human leukemia cell line MOLT-4. <i>Leukemia</i> , 2000, 14, 299-306.	3.3	51
17	Regulation of Cell Survival and Death Signals Induced by Oxidative Stress. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2008, 43, 51-57.	0.6	51
18	Redox Regulation of PI3K/Akt and p53 in Bovine Aortic Endothelial Cells Exposed to Hydrogen Peroxide. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 713-722.	2.5	50

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19	Roles of Protein Kinase C $\delta$ in the Accumulation of P53 and the Induction of Apoptosis in H <sub>2</sub> O <sub>2</sub> -treated Bovine Endothelial Cells. <i>Free Radical Research</i> , 2002, 36, 1147-1153.	1.5	48
20	Calmodulin-dependent protein kinase II (CaMKII) mediates radiation-induced mitochondrial fission by regulating the phosphorylation of dynamin-related protein 1 (Drp1) at serine 616. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1601-1607.	1.0	48
21	Attenuation of caspase-3-dependent apoptosis by Trolox post-treatment of X-irradiated MOLT-4 cells. <i>International Journal of Radiation Biology</i> , 1999, 75, 155-163.	1.0	47
22	Stimulation of the nucleus basalis of Meynert and substantia innominata produces widespread increases in cerebral blood flow in the frontal, parietal and occipital cortices. <i>Brain Research</i> , 1990, 514, 163-166.	1.1	46
23	Stimulation of the septal complex increases local cerebral blood flow in the hippocampus in anesthetized rats. <i>Neuroscience Letters</i> , 1989, 107, 135-140.	1.0	45
24	Neuroprotective effect of $\hat{\pm}$ -phenyl-N-tert-butyl nitron in gerbil hippocampus is mediated by the mitogen-activated protein kinase pathway and heat shock proteins. <i>Neuroscience Letters</i> , 2000, 282, 41-44.	1.0	44
25	NADPH oxidase 4 mediates ROS production in radiation-induced senescent cells and promotes migration of inflammatory cells. <i>Free Radical Research</i> , 2018, 52, 92-102.	1.5	44
26	Radiation Sensitivity of Megakaryocyte Colony-Forming Cells in Human Placental and Umbilical Cord Blood. <i>Radiation Research</i> , 2000, 153, 144-152.	0.7	43
27	Induction of Apoptosis through the Activation of SAPK/JNK Followed by the Expression of Death Receptor Fas in X-irradiated Cells. <i>Journal of Radiation Research</i> , 2003, 44, 203-209.	0.8	43
28	Roles of mitochondria-generated reactive oxygen species on X-ray-induced apoptosis in a human hepatocellular carcinoma cell line, HLE. <i>Free Radical Research</i> , 2012, 46, 1029-1043.	1.5	43
29	Induction of Neurite Outgrowth in PC12 Cells by $\hat{\pm}$ -Phenyl-N-tert-butyl nitron through Activation of Protein Kinase C and the Ras-Extracellular Signal-regulated Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2001, 276, 32779-32785.	1.6	42
30	The Leukocyte NADPH Oxidase Subunit p47PHOX: The Role of the Cysteine Residues. <i>Archives of Biochemistry and Biophysics</i> , 1998, 350, 36-40.	1.4	40
31	Relationship between p38 mitogen-activated protein kinase and small GTPase Rac for the activation of NADPH oxidase in bovine neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1571-1578.	1.0	40
32	p38 MAPK and Ca <sup>2+</sup> contribute to hydrogen peroxide-induced increase of permeability in vascular endothelial cells but ERK does not. <i>Free Radical Research</i> , 2001, 35, 519-527.	1.5	39
33	Vincristine enhances amoeboid-like motility via GEF-H1/RhoA/ROCK/Myosin light chain signaling in MKN45 cells. <i>BMC Cancer</i> , 2012, 12, 469.	1.1	36
34	Spin trapping of precursors of thymine damage in x-irradiated DNA. <i>Biochemistry</i> , 1987, 26, 2458-2465.	1.2	35
35	Relationship between the activation of cyclic AMP responsive element binding protein and ischemic tolerance in the penumbra region of rat cerebral cortex. <i>Neuroscience Letters</i> , 2002, 331, 13-16.	1.0	35
36	Inhibition of the mitochondrial fission protein dynamin-related protein 1 (Drp1) impairs mitochondrial fission and mitotic catastrophe after x-irradiation. <i>Molecular Biology of the Cell</i> , 2015, 26, 4607-4617.	0.9	35

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37	Proinsulin C-peptide abrogates type 1 diabetes-induced increase of renal endothelial nitric oxide synthase in rats. <i>Diabetes/Metabolism Research and Reviews</i> , 2008, 24, 331-338.	1.7	33
38	Responses of regional cerebral blood flow following focal electrical stimulation of the nucleus basalis of Meynert and the medial septum using the [14C]iodoantipyrine method in rats. <i>Neuroscience Letters</i> , 1990, 112, 263-268.	1.0	32
39	Effects of intracellular calcium chelator BAPTA-AM on radiation-induced apoptosis regulated by activation of SAPK/JNK and caspase-3 in MOLT-4 cells. <i>International Journal of Radiation Biology</i> , 1999, 75, 1099-1105.	1.0	31
40	Activation of C-Kit by Stem Cell Factor Induces Radioresistance to Apoptosis through ERK-dependent Expression of Survivin in HL60 Cells. <i>Journal of Radiation Research</i> , 2004, 45, 557-561.	0.8	31
41	Inhibition of HIF-1 $\alpha$ by the anticancer drug TAS106 enhances X-ray-induced apoptosis in vitro and in vivo. <i>British Journal of Cancer</i> , 2008, 99, 1442-1452.	2.9	31
42	Lipophilic triphenylphosphonium derivatives enhance radiation-induced cell killing via inhibition of mitochondrial energy metabolism in tumor cells. <i>Cancer Letters</i> , 2017, 390, 160-167.	3.2	30
43	Radiation-induced nitric oxide mitigates tumor hypoxia and radioresistance in a murine SCCVII tumor model. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 420-425.	1.0	29
44	In Vivo Extracellular pH Mapping of Tumors Using Electron Paramagnetic Resonance. <i>Analytical Chemistry</i> , 2018, 90, 13938-13945.	3.2	29
45	Elevation of Intracellular Calcium Ions Is Essential for the H <sub>2</sub> O <sub>2</sub> -Induced Activation of SAPK/JNK but Not for That of p38 and ERK in Chinese Hamster V79 Cells. <i>Antioxidants and Redox Signaling</i> , 1999, 1, 501-508.	2.5	28
46	Roles of ROS and PKC- $\beta$ II in ionizing radiation-induced eNOS activation in human vascular endothelial cells. <i>Vascular Pharmacology</i> , 2015, 70, 55-65.	1.0	28
47	MK-8776, a novel Chk1 inhibitor, exhibits an improved radiosensitizing effect compared to UCN-01 by exacerbating radiation-induced aberrant mitosis. <i>Translational Oncology</i> , 2017, 10, 491-500.	1.7	28
48	Enhanced Induction of Apoptosis by Combined Treatment of Human Carcinoma Cells with X Rays and Death Receptor Agonists. <i>Journal of Radiation Research</i> , 2005, 46, 103-110.	0.8	27
49	Inflammatory cell-mediated tumour progression and minisatellite mutation correlate with the decrease of antioxidative enzymes in murine fibrosarcoma cells. <i>British Journal of Cancer</i> , 1999, 79, 377-385.	2.9	26
50	Protein synthesis-dependent apoptotic signalling pathway in X-irradiated MOLT-4 human leukaemia cell line. <i>International Journal of Radiation Biology</i> , 2002, 78, 115-124.	1.0	26
51	Ca <sup>2+</sup> -dependent and Caspase-3-independent Apoptosis Caused by Damage in Golgi Apparatus due to 2,4,5,7-Tetrabromorhodamine 123 Bromide-induced Photodynamic Effects. <i>Photochemistry and Photobiology</i> , 2003, 78, 241.	1.3	26
52	Isolation, Characterization, and cDNA Cloning of Chicken Turpentine-induced Protein, a New Member of the Scavenger Receptor Cysteine-rich (SRCR) Family of Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 9400-9405.	1.6	25
53	Visualization of the protective ability of a free radical trapping compound against rat C6 and F98 gliomas with diffusion tensor fiber tractography. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 574-587.	1.9	25
54	Evaluation of the relative biological effectiveness of spot-scanning proton irradiation in vitro. <i>Journal of Radiation Research</i> , 2016, 57, 307-311.	0.8	24

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55	$\dot{I}\pm$ -Phenyl N-Tert-Butyl Nitron (PBN) Increases the Cortical Cerebral Blood Flow by Inhibiting the Breakdown of Nitric Oxide in Anesthetized Rats. <i>Free Radical Research</i> , 1995, 23, 33-39.	1.5	23
56	Inhibition of cell proliferation by SARS-CoV infection in Vero E6 cells. <i>FEMS Immunology and Medical Microbiology</i> , 2006, 46, 236-243.	2.7	23
57	Radiation-induced apoptosis of tumor cells is facilitated by inhibition of the interaction between Survivin and Smac/DIABLO. <i>Cancer Letters</i> , 2008, 259, 71-81.	3.2	23
58	Effects of antioxidants on X-ray- or hyperthermia-induced apoptosis in human lymphoma U937 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2004, 9, 757-763.	2.2	22
59	The Antiproliferative Effect of Bovine Lactoferrin on Canine Mammary Gland Tumor Cells. <i>Journal of Veterinary Medical Science</i> , 2008, 70, 443-448.	0.3	22
60	OH-Induced Free Radicals in $3\beta$ -Uridine and Poly(U): Spin-Trapping and Radical Chromatography. <i>Radiation Research</i> , 1987, 112, 36.	0.7	21
61	MECHANISM OF PHOTSENSITIZATION BY PHEOPHORBIDE a STUDIED BY PHOTOHEMOLYSIS OF ERYTHROCYTES AND ELECTRON SPIN RESONANCE SPECTROSCOPY. <i>Photochemistry and Photobiology</i> , 1989, 49, 37-41.	1.3	21
62	Involvement of protein kinase C $\beta$ in the activation of NADPH oxidase and the phagocytosis of neutrophils. <i>Free Radical Research</i> , 2006, 40, 359-367.	1.5	20
63	A nucleoside anticancer drug, 1-(3-C-ethynyl- $\beta$ -D-ribo-pentofuranosyl)cytosine (TAS106), sensitizes cells to radiation by suppressing BRCA2 expression. <i>Molecular Cancer</i> , 2011, 10, 92.	7.9	20
64	Analysis of the mechanism of radiation-induced upregulation of mitochondrial abundance in mouse fibroblasts. <i>Journal of Radiation Research</i> , 2017, 58, 292-301.	0.8	20
65	Hydrogen Peroxide-Induced Activation of SAPK/JNK Regulated by Phosphatidylinositol 3-Kinase in Chinese Hamster V79 Cells. <i>Antioxidants and Redox Signaling</i> , 1999, 1, 113-121.	2.5	19
66	Regeneration of Megakaryocytopoiesis and Thrombopoiesis In Vitro from X-Irradiated Human Hematopoietic Stem Cells. <i>Radiation Research</i> , 2006, 166, 345-351.	0.7	19
67	Activation of eNOS in endothelial cells exposed to ionizing radiation involves components of the DNA damage response pathway. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 541-546.	1.0	19
68	ESR detection of intraphagosomal superoxide in polymorphonuclear leukocytes using 5-(diethoxyphosphoryl)-5-methyl-1-pyrroline-N-oxide. <i>Free Radical Research</i> , 2001, 34, 81-92.	1.5	18
69	Identification of pH-sensitive regions in the mouse prion by the cysteine-scanning spin-labeling ESR technique. <i>Biochemical and Biophysical Research Communications</i> , 2006, 350, 549-556.	1.0	18
70	Dynamics and Local Ordering of Spin-Labeled Prion Protein: An ESR Simulation Study of a Highly PH-Sensitive Site. <i>Journal of Biomolecular Structure and Dynamics</i> , 2008, 26, 355-365.	2.0	18
71	DNA damage response in vascular endothelial senescence: Implication for radiation-induced cardiovascular diseases. <i>Journal of Radiation Research</i> , 2021, 62, 564-573.	0.8	18
72	OH-Induced Free Radicals in Uridine Studied by a Method Combining ESR, Spin-Trapping, and Liquid Chromatography. <i>Radiation Research</i> , 1986, 108, 1.	0.7	17

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73	Contribution of cholinergic vasodilators on the increase in cerebral cortical blood flow responses to the intravenous administration of thyrotropin releasing hormone in anesthetized rats. <i>Neuroscience Letters</i> , 1988, 88, 184-188.	1.0	17
74	Metabolic analysis of radioresistant medulloblastoma stem-like clones and potential therapeutic targets. <i>PLoS ONE</i> , 2017, 12, e0176162.	1.1	17
75	FMLP-induced formation of F-actin in HL60 cells is dependent on PI3-K but not on intracellular Ca <sup>2+</sup> , PKC, ERK or p38 MAPK. <i>Inflammation Research</i> , 2000, 49, 684-691.	1.6	16
76	Effects of the Combination of Thrombopoietin with Cytokines on the Survival of X-Irradiated CD34+Megakaryocytic Progenitor Cells from Normal Human Peripheral Blood. <i>Radiation Research</i> , 2002, 158, 202-209.	0.7	16
77	Characterization of JNK-like protein derived from a mosquito cell line, C6/36. <i>Insect Molecular Biology</i> , 2003, 12, 61-66.	1.0	16
78	A Novel Anticancer Ribonucleoside, 1-(3-C-Ethynyl- $\beta$ -D-ribo-pentofuranosyl)Cytosine, Enhances Radiation-Induced Cell Death in Tumor Cells. <i>Radiation Research</i> , 2004, 162, 635-645.	0.7	16
79	Effects of Ceramide Inhibition on Radiation-induced Apoptosis in Human Leukemia MOLT-4 Cells. <i>Journal of Radiation Research</i> , 2006, 47, 19-25.	0.8	16
80	Downregulation of the DNA repair enzyme apurinic/apyrimidinic endonuclease 1 stimulates transforming growth factor- $\beta$ 1 production and promotes actin rearrangement. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 35-41.	1.0	16
81	Quantitative imaging of pO <sub>2</sub> in orthotopic murine gliomas: hypoxia correlates with resistance to radiation. <i>Free Radical Research</i> , 2017, 51, 861-871.	1.5	16
82	Electron Donors Rather Than Reactive Oxygen Species Needed for Therapeutic Photochemical Reaction of Near-Infrared Photoimmunotherapy. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1689-1701.	2.5	16
83	Reduction of concanavalin A-induced expression of interferon- $\beta$ by bovine lactoferrin in feline peripheral blood mononuclear cells. <i>Veterinary Immunology and Immunopathology</i> , 2005, 105, 75-84.	0.5	15
84	Reactive oxygen species mediate shear stress-induced fluid-phase endocytosis in vascular endothelial cells. <i>Free Radical Research</i> , 2006, 40, 167-174.	1.5	15
85	3-Methyl pyruvate enhances radiosensitivity through increasing mitochondria-derived reactive oxygen species in tumor cell lines. <i>Journal of Radiation Research</i> , 2014, 55, 455-463.	0.8	15
86	Familial Congenital Methemoglobinemia in Pomeranian Dogs Caused by a Missense Variant in the NADH-cytochrome B5 Reductase Gene. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 165-171.	0.6	15
87	The Adjuvant Effect of Squalene, an Active Ingredient of Functional Foods, on Doxorubicin-Treated Allograft Mice. <i>Nutrition and Cancer</i> , 2019, 71, 1153-1164.	0.9	15
88	Hypoxia and etanidazole alter radiation-induced apoptosis in HL60 cells but not in MOLT-4 cells. <i>International Journal of Radiation Biology</i> , 2002, 78, 267-274.	1.0	14
89	Post-irradiation hypoxic incubation of X-irradiated MOLT-4 cells reduces apoptotic cell death by changing the intracellular redox state and modulating SAPK/JNK pathways. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 557-567.	2.2	14
90	Conformational change in full-length mouse prion: A site-directed spin-labeling study. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 785-792.	1.0	14



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91	Treatment Combining X-Irradiation and a Ribonucleoside Anticancer Drug, TAS106, Effectively Suppresses the Growth of Tumor Cells Transplanted in Mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 218-228.	0.4	14
92	<i>In vivo</i> tumour extracellular pH monitoring using electron paramagnetic resonance: the effect of X-ray irradiation. <i>NMR in Biomedicine</i> , 2014, 27, 453-458.	1.6	14
93	Inhibition of ubiquitin-specific protease 2 causes accumulation of reactive oxygen species, mitochondria dysfunction, and intracellular ATP decrement in C2C12 myoblasts. <i>Physiological Reports</i> , 2019, 7, e14193.	0.7	14
94	OH-induced Free Radicals in Purine Nucleosides and Their Homopolymers: E.S.R. and Spin-trapping with 2-methyl-2-nitrosopropane. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1985, 49, 829-844.	1.0	13
95	X Irradiation Induces the Proapoptotic State Independent of the Loss of Clonogenic Ability in Chinese Hamster V79 Cells. <i>Radiation Research</i> , 2005, 164, 36-44.	0.7	13
96	Purvalanol A Enhances Cell Killing by Inhibiting Up-Regulation of CDC2 Kinase Activity in Tumor Cells Irradiated with High Doses of X Rays. <i>Radiation Research</i> , 2007, 167, 563-571.	0.7	13
97	Instability of familial spongiform encephalopathy-related prion mutants. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 244-249.	1.0	13
98	Feasibility of <i>in vivo</i> three-dimensional T <sup>2</sup> mapping using dicarboxy-PROXYL and CW-EPR-based single-point imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017, 30, 291-298.	1.1	13
99	Extracellular Signal-regulated Kinase 1/2 is Involved in the Activation of NADPH Oxidase Induced by FMLP Receptor but not by Complement Receptor 3 in Rat Neutrophils. <i>Free Radical Research</i> , 2003, 37, 665-671.	1.5	12
100	Protective Effects of Thrombopoietin and Stem Cell Factor on X-Irradiated CD34+ Megakaryocytic Progenitor Cells from Human Placental and Umbilical Cord Blood. <i>Radiation Research</i> , 2003, 160, 210-216.	0.7	12
101	Protection against malonate-induced ischemic brain injury in rat by a cell-permeable peptidic c-Jun N-terminal kinase inhibitor, (L)-HIV-TAT48-57-PP-JBD20, observed by the apparent diffusion coefficient mapping magnetic resonance imaging method. <i>Neuroscience Letters</i> , 2004, 359, 57-60.	1.0	12
102	Magnetic Resonance Imaging of Alveolar Echinococcosis Experimentally Induced in the Rat Lung. <i>Journal of Veterinary Medical Science</i> , 2006, 68, 15-20.	0.3	12
103	Individual Differences in the Radiosensitivity of Hematopoietic Progenitor Cells Detected in Steady-State Human Peripheral Blood. <i>Journal of Radiation Research</i> , 2008, 49, 113-121.	0.8	12
104	Effect of Bovine Lactoferrin on Functions of Activated Feline Peripheral Blood Mononuclear Cells During Chronic Feline Immunodeficiency Virus Infection. <i>Journal of Veterinary Medical Science</i> , 2008, 70, 429-435.	0.3	12
105	Evaluation of mitochondrial redox status and energy metabolism of X-irradiated HeLa cells by LC/UV, LC/MS/MS and ESR. <i>Free Radical Research</i> , 2018, 52, 648-660.	1.5	12
106	Mitochondrial fission promotes radiation-induced increase in intracellular Ca <sup>2+</sup> level leading to mitotic catastrophe in mouse breast cancer EMT6 cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 144-150.	1.0	12
107	The Effects of (-)-Epigallocatechin-3-Gallate on the Proliferation and Differentiation of Human Megakaryocytic Progenitor Cells. <i>Journal of Radiation Research</i> , 2006, 47, 213-220.	0.8	11
108	A New Amphiphilic Derivative, N-[[4-(Lactobionamido)methyl]benzylidene]-1,1-dimethyl-2-(octylsulfanyl)ethylamine Oxide, Has a Protective Effect Against Copper-Induced Fulminant Hepatitis in Long-Evans Cinnamon Rats at an Extremely Low Concentration Compared with Its Original Form N-phenyl-N-(tert-butyl) Nitron. <i>Chemistry and Biodiversity</i> , 2007, 4, 2253-2267.	1.0	11

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109	X Irradiation Combined with TNF $\alpha$ -related Apoptosis-inducing Ligand (TRAIL) Reduces Hypoxic Regions of Human Gastric Adenocarcinoma Xenografts in SCID Mice. <i>Journal of Radiation Research</i> , 2008, 49, 153-161.	0.8	11
110	Oral administration of bovine lactoferrin upregulates neutrophil functions in a dog with familial $\beta$ 2-integrin-related neutrophil dysfunction. <i>Veterinary Immunology and Immunopathology</i> , 2011, 143, 155-161.	0.5	11
111	Responses of regional cerebral blood flow to intravenous administration of thyrotropin releasing hormone in aged rats. <i>Neuroscience Letters</i> , 1992, 143, 151-154.	1.0	10
112	Hydroxyl radical generation and lipid peroxidation in C2C12 myotube treated with iodoacetate and cyanide. <i>Free Radical Research</i> , 1999, 31, 1-8.	1.5	10
113	Effects of Overexpression and Antisense RNA Expression of Orf17, a MutT-Type Enzyme. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1087-1091.	0.6	10
114	Lipid raft disruption prevents apoptosis induced by 2-chloro-2'-deoxyadenosine (Cladribine) in leukemia cell lines. <i>Leukemia Research</i> , 2006, 30, 1555-1561.	0.4	10
115	Purvalanol A induces apoptosis and downregulation of antiapoptotic proteins through abrogation of phosphorylation of JAK2/STAT3 and RNA polymerase II. <i>Anti-Cancer Drugs</i> , 2008, 19, 565-572.	0.7	10
116	Ataxia-Telangiectasia Mutated (ATM) Kinase Regulates eNOS Expression and Modulates Radiosensitivity in Endothelial Cells Exposed to Ionizing Radiation. <i>Radiation Research</i> , 2018, 189, 519-528.	0.7	10
117	Metformin preferentially enhances the radio-sensitivity of cancer stem-like cells with highly mitochondrial respiration ability in HMPOS. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 143-151.	2.0	10
118	Assessment of neuroprotective ability of a spin trap, $\alpha$ -phenyl-N-tert-butyl nitron, against malonate-induced ischemic injury of rat brain by apparent water diffusion coefficient mapping. <i>Neuroscience Letters</i> , 2002, 329, 281-284.	1.0	9
119	Radiation-chemical Properties of the Hypoxic Cell Radiosensitizer Doranidazole (PR-350). <i>Journal of Radiation Research</i> , 2002, 43, 77-77.	0.8	9
120	Dual inhibition of protein phosphatase-1/2A and calpain rescues nerve growth factor-differentiated PC12 cells from oxygen-glucose deprivation-induced cell death. <i>Journal of Neuroscience Research</i> , 2006, 83, 459-468.	1.3	9
121	Canine neutrophil dysfunction caused by downregulation of $\beta$ 2-integrin expression without mutation. <i>Veterinary Immunology and Immunopathology</i> , 2009, 130, 187-196.	0.5	9
122	Induction of neurite outgrowth by $\alpha$ -phenyl-N-tert-butyl nitron through nitric oxide release and Ras-ERK pathway in PC12 cells. <i>Free Radical Research</i> , 2010, 44, 645-654.	1.5	9
123	The prospective application of a hypoxic radiosensitizer, doranidazole to rat intracranial glioblastoma with blood brain barrier disruption. <i>BMC Cancer</i> , 2013, 13, 106.	1.1	9
124	Effects of BAPTA-AM and forskolin on apoptosis and cytochrome c release in photosensitized Chinese hamster V79 cells. <i>Photochemistry and Photobiology</i> , 1999, 70, 650-5.	1.3	9
125	Nucleosides and nucleotides. 176. 2'-deoxy-2'-hydroxylaminocytidine: A new antitumor nucleoside that inhibits DNA synthesis although it has a ribonucleoside structure. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1913-1918.	1.0	8
126	Effects of amifostine on the proliferation and differentiation of megakaryocytic progenitor cells. <i>European Journal of Pharmacology</i> , 2002, 437, 19-25.	1.7	8



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127	Oral administration of Antioxidant Biofactor (AOB <sub>α</sub> ) ameliorates ischemia/reperfusion-induced neuronal death in the gerbil. <i>BioFactors</i> , 2007, 29, 113-121.	2.6	8
128	Differentiation of bone marrow-derived cells toward thermogenic adipocytes in white adipose tissue induced by the I <sup>23</sup> adrenergic stimulation. <i>FASEB Journal</i> , 2019, 33, 5196-5207.	0.2	8
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