

Shinya Toyokuni

List of Publications by Year in descending order

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390
papers

29,759
citations

6233

80
h-index

6282

158
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404
all docs

404
docs citations

404
times ranked

29890
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	13.5	4,081
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	4.3	1,430
3	Persistent oxidative stress in cancer. <i>FEBS Letters</i> , 1995, 358, 1-3.	1.3	1,021
4	Long-Term Proliferation in Culture and Germline Transmission of Mouse Male Germline Stem Cells1. <i>Biology of Reproduction</i> , 2003, 69, 612-616.	1.2	922
5	Inhibition of gastric inhibitory polypeptide signaling prevents obesity. <i>Nature Medicine</i> , 2002, 8, 738-742.	15.2	798
6	Generation of Pluripotent Stem Cells from Neonatal Mouse Testis. <i>Cell</i> , 2004, 119, 1001-1012.	13.5	766
7	Iron-induced carcinogenesis: The role of redox regulation. <i>Free Radical Biology and Medicine</i> , 1996, 20, 553-566.	1.3	496
8	Reactive oxygen species-induced molecular damage and its application in pathology. <i>Pathology International</i> , 1999, 49, 91-102.	0.6	481
9	Role of iron in carcinogenesis: Cancer as a ferrotoxic disease. <i>Cancer Science</i> , 2009, 100, 9-16.	1.7	461
10	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1330-8.	3.3	437
11	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. <i>Nature Metabolism</i> , 2022, 4, 651-662.	5.1	356
12	Formation of 4-hydroxy-2-nonenal-modified proteins in the renal proximal tubules of rats treated with a renal carcinogen, ferric nitrilotriacetate.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 2616-2620.	3.3	326
13	4-Hydroxy-2-nonenal-mediated Impairment of Intracellular Proteolysis during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1999, 274, 23787-23793.	1.6	309
14	Long-Term Culture of Mouse Male Germline Stem Cells Under Serum-or Feeder-Free Conditions1. <i>Biology of Reproduction</i> , 2005, 72, 985-991.	1.2	309
15	Carvedilol Decreases Elevated Oxidative Stress in Human Failing Myocardium. <i>Circulation</i> , 2002, 105, 2867-2871.	1.6	259
16	Contents of Endometriotic Cysts, Especially the High Concentration of Free Iron, Are a Possible Cause of Carcinogenesis in the Cysts through the Iron-Induced Persistent Oxidative Stress. <i>Clinical Cancer Research</i> , 2008, 14, 32-40.	3.2	259
17	CD9 Is a Surface Marker on Mouse and Rat Male Germline Stem Cells1. <i>Biology of Reproduction</i> , 2004, 70, 70-75.	1.2	256
18	Regulation of Marginal Zone B Cell Development by MINT, a Suppressor of Notch/RBPJ Signaling Pathway. <i>Immunity</i> , 2003, 18, 301-312.	6.6	244

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19	Role of Reactive Oxygen Species in Skin Carcinogenesis. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 561-570.	2.5	244
20	Michael Addition-Type 4-Hydroxy-2-nonenal Adducts in Modified Low-Density Lipoproteins: Markers for Atherosclerosis. <i>Biochemistry</i> , 1994, 33, 12487-12494.	1.2	242
21	New biomarker evidence of oxidative DNA damage in patients with non-insulin-dependent diabetes mellitus. <i>FEBS Letters</i> , 1997, 417, 150-152.	1.3	241
22	YAP induces malignant mesothelioma cell proliferation by upregulating transcription of cell cycle-promoting genes. <i>Oncogene</i> , 2012, 31, 5117-5122.	2.6	237
23	Biomarker evidence of DNA oxidation in lung cancer patients: association of urinary 8-hydroxy-2'-deoxyguanosine excretion with radiotherapy, chemotherapy, and response to treatment. <i>FEBS Letters</i> , 1997, 409, 287-291.	1.3	236
24	Akt mediates self-renewal division of mouse spermatogonial stem cells. <i>Development (Cambridge)</i> , 2007, 134, 1853-1859.	1.2	234
25	<i>LATS2</i> Is a Tumor Suppressor Gene of Malignant Mesothelioma. <i>Cancer Research</i> , 2011, 71, 873-883.	0.4	216
26	Genetic and epigenetic properties of mouse male germline stem cells during long-term culture. <i>Development (Cambridge)</i> , 2005, 132, 4155-4163.	1.2	210
27	Curcumin and Especially Tetrahydrocurcumin Ameliorate Oxidative Stress-Induced Renal Injury in Mice. <i>Journal of Nutrition</i> , 2001, 131, 2090-2095.	1.3	207
28	The monoclonal antibody specific for the 4-hydroxy-2-nonenal histidine adduct. <i>FEBS Letters</i> , 1995, 359, 189-191.	1.3	195
29	8-Hydroxy-2'-Deoxyguanosine Is Increased in Epidermal Cells of Hairless Mice after Chronic Ultraviolet B Exposure. <i>Journal of Investigative Dermatology</i> , 1996, 107, 733-737.	0.3	183
30	Iron and thiol redox signaling in cancer: An exquisite balance to escape ferroptosis. <i>Free Radical Biology and Medicine</i> , 2017, 108, 610-626.	1.3	180
31	FGF2 mediates mouse spermatogonial stem cell self-renewal via upregulation of <i>Etv5</i> and <i>Bcl6b</i> through MAP2K1 activation. <i>Development (Cambridge)</i> , 2012, 139, 1734-1743.	1.2	178
32	DNA base modifications in renal chromatin of wistar rats treated with a renal carcinogen, ferric nitrilotriacetate. <i>International Journal of Cancer</i> , 1994, 57, 123-128.	2.3	174
33	Formation of 8-hydroxy-2'-deoxyguanosine and 4-hydroxy-2-nonenal-modified proteins in human renal-cell carcinoma. <i>International Journal of Cancer</i> , 1994, 58, 825-829.	2.3	174
34	Pluripotency of a Single Spermatogonial Stem Cell in Mice1. <i>Biology of Reproduction</i> , 2008, 78, 681-687.	1.2	170
35	The Role of Oxidative DNA Damage in Human Arsenic Carcinogenesis: Detection of 8-Hydroxy-2'-Deoxyguanosine in Arsenic-Related Bowen's Disease. <i>Journal of Investigative Dermatology</i> , 1999, 113, 26-31.	0.3	168
36	Astaxanthin Limits Exercise-Induced Skeletal and Cardiac Muscle Damage in Mice. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 139-144.	2.5	165

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37	Iron and carcinogenesis: from Fenton reaction to target genes. <i>Redox Report</i> , 2002, 7, 189-197.	1.4	157
38	ARME1 is a Soluble ER Protein Induced by the Unfolded Protein Response via ERSE-II Element. <i>Cell Structure and Function</i> , 2007, 32, 41-50.	0.5	156
39	Adrenomedullin Infusion Attenuates Myocardial Ischemia/Reperfusion Injury Through the Phosphatidylinositol 3-Kinase/Akt-Dependent Pathway. <i>Circulation</i> , 2004, 109, 242-248.	1.6	154
40	Production of knockout mice by random or targeted mutagenesis in spermatogonial stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8018-8023.	3.3	151
41	Thioredoxin as a biomarker for oxidative stress in patients with rheumatoid arthritis. <i>Molecular Immunology</i> , 2002, 38, 765-772.	1.0	145
42	Persistent oxidative stress in human colorectal carcinoma, but not in adenoma. <i>Free Radical Biology and Medicine</i> , 1999, 27, 401-410.	1.3	141
43	Characterization of Epitopes Recognized by 4-Hydroxy-2-nonenal Specific Antibodies. <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 241-248.	1.4	139
44	Molecular mechanisms of oxidative stress-induced carcinogenesis: From epidemiology to oxygenomics. <i>IUBMB Life</i> , 2008, 60, 441-447.	1.5	136
45	Genetic Reconstruction of Mouse Spermatogonial Stem Cell Self-Renewal In Vitro by Ras-Cyclin D2 Activation. <i>Cell Stem Cell</i> , 2009, 5, 76-86.	5.2	126
46	miR-375 Is Activated by ASH1 and Inhibits YAP1 in a Lineage-Dependent Manner in Lung Cancer. <i>Cancer Research</i> , 2011, 71, 6165-6173.	0.4	124
47	Protein Modification by Lipid Peroxidation Products: Formation of Malondialdehyde-Derived N ϵ -(2-Propenal)lysine in Proteins. <i>Archives of Biochemistry and Biophysics</i> , 1997, 346, 45-52.	1.4	123
48	Spermatogenesis from epiblast and primordial germ cells following transplantation into postnatal mouse testis. <i>Development (Cambridge)</i> , 2005, 132, 117-122.	1.2	119
49	Ex vivo whole-embryo culture of caspase-8-deficient embryos normalize their aberrant phenotypes in the developing neural tube and heart. <i>Cell Death and Differentiation</i> , 2002, 9, 1196-1206.	5.0	113
50	Neuroprotection by Hyperbaric Oxygenation After Experimental Focal Cerebral Ischemia Monitored by MRI. <i>Stroke</i> , 2004, 35, 1175-1179.	1.0	111
51	Redox cycling metals: Pedaling their roles in metabolism and their use in the development of novel therapeutics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 727-748.	1.9	111
52	Antioxidant α -tocopherol ameliorates glycemic control of GK rats, a model of type 2 diabetes. <i>FEBS Letters</i> , 2000, 473, 24-26.	1.3	110
53	Allogeneic Offspring Produced by Male Germ Line Stem Cell Transplantation into Infertile Mouse Testis1. <i>Biology of Reproduction</i> , 2003, 68, 167-173.	1.2	109
54	Association of miR-34a overexpression with proliferation is cell type-dependent. <i>Cancer Science</i> , 2007, 98, 1845-1852.	1.7	109

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55	Mechanisms of asbestos-induced carcinogenesis. Nagoya Journal of Medical Science, 2009, 71, 1-10.	0.6	109
56	High incidence of allelic loss on chromosome 5 and inactivation of p15INK4B and p16INK4A tumor suppressor genes in oxystress-induced renal cell carcinoma of rats. Oncogene, 1999, 18, 3793-3797.	2.6	107
57	Genotoxicity and carcinogenicity risk of carbon nanotubes. Advanced Drug Delivery Reviews, 2013, 65, 2098-2110.	6.6	103
58	Novel Intraperitoneal Treatment With Non-Thermal Plasma-Activated Medium Inhibits Metastatic Potential of Ovarian Cancer Cells. Scientific Reports, 2017, 7, 6085.	1.6	102
59	A novel mechanism for imatinib mesylate-induced cell death of BCR-ABL-positive human leukemic cells: caspase-independent, necrosis-like programmed cell death mediated by serine protease activity. Blood, 2004, 103, 2299-2307.	0.6	100
60	Genetic Selection of Mouse Male Germline Stem Cells In Vitro: Offspring from Single Stem Cells. Biology of Reproduction, 2005, 72, 236-240.	1.2	100
61	Endogenous Formation of Protein Adducts with Carcinogenic Aldehydes. Journal of Biological Chemistry, 2001, 276, 23903-23913.	1.6	98
62	Carbonic anhydrase 9 confers resistance to ferroptosis/apoptosis in malignant mesothelioma under hypoxia. Redox Biology, 2019, 26, 101297.	3.9	97
63	Serum 4-Hydroxy-2-Nonenal-Modified Albumin Is Elevated in Patients with Type 2 Diabetes Mellitus. Antioxidants and Redox Signaling, 2000, 2, 681-685.	2.5	93
64	Functional Assessment of Self-Renewal Activity of Male Germline Stem Cells Following Cytotoxic Damage and Serial Transplantation. Biology of Reproduction, 2003, 68, 1801-1807.	1.2	93
65	Biopersistent fiber-induced inflammation and carcinogenesis: Lessons learned from asbestos toward safety of fibrous nanomaterials. Archives of Biochemistry and Biophysics, 2010, 502, 1-7.	1.4	93
66	Plasma Medical Science for Cancer Therapy: Toward Cancer Therapy Using Nonthermal Atmospheric Pressure Plasma. IEEE Transactions on Plasma Science, 2014, 42, 3760-3764.	0.6	91
67	Successful interferon therapy reverses enhanced hepatic iron accumulation and lipid peroxidation in chronic hepatitis C. American Journal of Gastroenterology, 2000, 95, 1041-1050.	0.2	90
68	Novel Aspects of Oxidative Stress-Associated Carcinogenesis. Antioxidants and Redox Signaling, 2006, 8, 1373-1377.	2.5	90
69	The origin and future of oxidative stress pathology: From the recognition of carcinogenesis as an iron addiction with ferroptosis-resistance to non-thermal plasma therapy. Pathology International, 2016, 66, 245-259.	0.6	90
70	State of the art in medical applications using non-thermal atmospheric pressure plasma. Reviews of Modern Plasma Physics, 2017, 1, 1.	2.2	90
71	Iron-mediated DNA damage: Sensitive detection of DNA strand breakage catalyzed by iron. Journal of Inorganic Biochemistry, 1992, 47, 241-248.	1.5	89
72	Fenton Reaction Induced Cancer in Wild Type Rats Recapitulates Genomic Alterations Observed in Human Cancer. PLoS ONE, 2012, 7, e43403.	1.1	89

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73	Iron overload signature in chrysotile-induced malignant mesothelioma. <i>Journal of Pathology</i> , 2012, 228, 366-377.	2.1	88
74	Two distinct mechanisms for loss of thioredoxin-binding protein-2 in oxidative stress-induced renal carcinogenesis. <i>Laboratory Investigation</i> , 2005, 85, 798-807.	1.7	87
75	CD8+CD122+ Regulatory T Cells (Tregs) and CD4+ Tregs Cooperatively Prevent and Cure CD4+ Cell-Induced Colitis. <i>Journal of Immunology</i> , 2011, 186, 41-52.	0.4	86
76	Treatment of wistar rats with a renal carcinogen, ferric nitrilotriacetate, causes dna-protein cross-linking between thymine and tyrosine in their renal chromatin. <i>International Journal of Cancer</i> , 1995, 62, 309-313.	2.3	85
77	Overexpression of humanmutT homologue gene messenger RNA in renal-cell carcinoma: Evidence of persistent oxidative stress in cancer. , 1996, 65, 437-441.		85
78	Helicobacter pylori eradication attenuates oxidative stress in human gastric mucosa. <i>American Journal of Gastroenterology</i> , 2001, 96, 1758-1766.	0.2	85
79	Ferroptosis at the crossroads of infection, aging and cancer. <i>Cancer Science</i> , 2020, 111, 2665-2671.	1.7	84
80	DNA single- and double-strand breaks produced by ferric nitrilotriacetate in relation to renal tubular carcinogenesis. <i>Carcinogenesis</i> , 1993, 14, 223-227.	1.3	83
81	Oxygen reduction and lipid peroxidation by iron chelates with special reference to ferric nitrilotriacetate. <i>Archives of Biochemistry and Biophysics</i> , 1989, 272, 10-17.	1.4	82
82	Redox regulation of annexin 2 and its implications for oxidative stress-induced renal carcinogenesis and metastasis. <i>Oncogene</i> , 2004, 23, 3980-3989.	2.6	82
83	Association between 8-hydroxy-2'-deoxyguanosine formation and DNA strand breaks mediated by copper and iron. <i>Free Radical Biology and Medicine</i> , 1996, 20, 859-864.	1.3	81
84	Hepatocyte Nuclear Factor-1 \hat{A} Recruits the Transcriptional Co-Activator p300 on the GLUT2 Gene Promoter. <i>Diabetes</i> , 2002, 51, 1409-1418.	0.3	81
85	Transgenic Mice Produced by Retroviral Transduction of Male Germ Line Stem Cells In Vivo1. <i>Biology of Reproduction</i> , 2004, 71, 1202-1207.	1.2	81
86	Induction of a Wide Range of C2 \hat{A} 12 Aldehydes and C7 \hat{A} 12 Acyloins in the Kidney of Wistar Rats After Treatment With a Renal Carcinogen, Ferric Nitrilotriacetate. <i>Free Radical Biology and Medicine</i> , 1997, 22, 1019-1027.	1.3	80
87	Iron addiction with ferroptosis-resistance in asbestos-induced mesothelial carcinogenesis: Toward the era of mesothelioma prevention. <i>Free Radical Biology and Medicine</i> , 2019, 133, 206-215.	1.3	80
88	A 1-Hour Enzyme-Linked Immunosorbent Assay for Quantitation of Acrolein- and Hydroxynonenal-Modified Proteins by Epitope-Bound Casein Matrix Method. <i>Analytical Biochemistry</i> , 1999, 270, 323-328.	1.1	78
89	Differences and similarities between carbon nanotubes and asbestos fibers during mesothelial carcinogenesis: Shedding light on fiber entry mechanism. <i>Cancer Science</i> , 2012, 103, 1378-1390.	1.7	78
90	Malignant mesothelioma as an oxidative stress-induced cancer: An update. <i>Free Radical Biology and Medicine</i> , 2015, 86, 166-178.	1.3	77

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91	Non-thermal plasma induces a stress response in mesothelioma cells resulting in increased endocytosis, lysosome biogenesis and autophagy. <i>Free Radical Biology and Medicine</i> , 2017, 108, 904-917.	1.3	77
92	Structural Basis of Protein-bound Endogenous Aldehydes. <i>Journal of Biological Chemistry</i> , 2003, 278, 5044-5051.	1.6	76
93	Activation of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 Induces Apoptosis in Cultured Neonatal Rat Cardiac Myocytes. <i>Circulation</i> , 2001, 104, 2948-2954.	1.6	74
94	Napsin A is a specific marker for ovarian clear cell adenocarcinoma. <i>Modern Pathology</i> , 2015, 28, 111-117.	2.9	74
95	Oxidative stress and cancer: the role of redox regulation. , 1998, 11, 147-154.		73
96	Abnormal DNA Methyltransferase Expression in Mouse Germline Stem Cells Results in Spermatogenic Defects1. <i>Biology of Reproduction</i> , 2009, 81, 155-164.	1.2	72
97	Asbestos surface provides a niche for oxidative modification. <i>Cancer Science</i> , 2011, 102, 2118-2125.	1.7	72
98	Radiation-induced kidney injury: a role for chronic oxidative stress?. <i>Micron</i> , 2002, 33, 133-141.	1.1	71
99	Overexpression of Inducible Cyclic AMP Early Repressor Inhibits Transactivation of Genes and Cell Proliferation in Pancreatic β^2 Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 2831-2841.	1.1	71
100	Adenovirus-mediated gene delivery and in vitro microinsemination produce offspring from infertile male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1383-1388.	3.3	70
101	Role of phenobarbital-inducible cytochrome P450s as a source of active oxygen species in DNA-oxidation. <i>Cancer Letters</i> , 2004, 203, 117-125.	3.2	69
102	Leukemia Inhibitory Factor Enhances Formation of Germ Cell Colonies in Neonatal Mouse Testis Culture1. <i>Biology of Reproduction</i> , 2007, 76, 55-62.	1.2	69
103	Met Is the Most Frequently Amplified Gene in Endometriosis-Associated Ovarian Clear Cell Adenocarcinoma and Correlates with Worsened Prognosis. <i>PLoS ONE</i> , 2013, 8, e57724.	1.1	68
104	Analysis of Rat Insulin II Promoter-Ghrelin Transgenic Mice and Rat Glucagon Promoter-Ghrelin Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 15247-15256.	1.6	67
105	Low Incidence of Point Mutations in H-, K- and N-ras Oncogenes and p53 Tumor Suppressor Gene in Renal Cell Carcinoma and Peritoneal Mesothelioma of Wistar Rats Induced by Ferric Nitrosulfate. <i>Japanese Journal of Cancer Research</i> , 1995, 86, 1150-1158.	1.7	65
106	Characteristics and modifying factors of asbestos-induced oxidative DNA damage. <i>Cancer Science</i> , 2008, 99, 2142-2151.	1.7	65
107	Genome-wide Profiling of 8-Oxoguanine Reveals Its Association with Spatial Positioning in Nucleus. <i>DNA Research</i> , 2014, 21, 603-612.	1.5	65
108	Expression of Stress-Response and Cell Proliferation Genes in Renal Cell Carcinoma Induced by Oxidative Stress. <i>American Journal of Pathology</i> , 2000, 156, 2149-2157.	1.9	64

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109	The Human Cytomegalovirus Gene Products Essential for Late Viral Gene Expression Assemble into Prereplication Complexes before Viral DNA Replication. <i>Journal of Virology</i> , 2011, 85, 6629-6644.	1.5	64
110	Specific Allelic Loss of p16 Tumor Suppressor Gene after Weeks of Iron-Mediated Oxidative Damage during Rat Renal Carcinogenesis. <i>American Journal of Pathology</i> , 2002, 160, 419-424.	1.9	63
111	The emerging role of progesterone receptor membrane component 1 (PGRMC1) in cancer biology. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 339-349.	3.3	63
112	ITPase-deficient mice show growth retardation and die before weaning. <i>Cell Death and Differentiation</i> , 2009, 16, 1315-1322.	5.0	62
113	The circadian clock gene <i>BMAL1</i> is a novel therapeutic target for malignant pleural mesothelioma. <i>International Journal of Cancer</i> , 2012, 131, 2820-2831.	2.3	62
114	Expression of chromobox homolog 7 (CBX7) is associated with poor prognosis in ovarian clear cell adenocarcinoma via TRAIL-induced apoptotic pathway regulation. <i>International Journal of Cancer</i> , 2014, 135, 308-318.	2.3	62
115	Effects of geranyl-geranyl-acetone administration before heat shock preconditioning for conferring tolerance against ischemia-reperfusion injury in rat livers. <i>Translational Research</i> , 2000, 135, 465-475.	2.4	61
116	Formation of Acrolein-derived 2-Deoxyadenosine Adduct in an Iron-induced Carcinogenesis Model. <i>Journal of Biological Chemistry</i> , 2003, 278, 50346-50354.	1.6	61
117	Lipid Peroxidation Generates Body Odor Component trans-2-Nonenal Covalently Bound to Protein in Vivo. <i>Journal of Biological Chemistry</i> , 2010, 285, 15302-15313.	1.6	60
118	Involvement of Nitric Oxide in Survival of Random Pattern Skin Flap. <i>Plastic and Reconstructive Surgery</i> , 1998, 101, 785-792.	0.7	59
119	Heat Shock Preconditioning Ameliorates Liver Injury Following Normothermic Ischemia-Reperfusion in Steatotic Rat Livers. <i>Journal of Surgical Research</i> , 1998, 79, 47-53.	0.8	58
120	Adenovirus-mediated gene delivery into mouse spermatogonial stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2596-2601.	3.3	58
121	Homozygous deletion of CDKN2A/2B is a hallmark of iron-induced high-grade rat mesothelioma. <i>Laboratory Investigation</i> , 2010, 90, 360-373.	1.7	58
122	Direct exposure of non-equilibrium atmospheric pressure plasma confers simultaneous oxidative and ultraviolet modifications in biomolecules. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 207-215.	0.6	58
123	The Bcr-Abl kinase inhibitor INNO-406 induces autophagy and different modes of cell death execution in Bcr-Abl-positive leukemias. <i>Cell Death and Differentiation</i> , 2008, 15, 1712-1722.	5.0	57
124	CD63 is regulated by iron via the IRE-IRP system and is important for ferritin secretion by extracellular vesicles. <i>Blood</i> , 2021, 138, 1490-1503.	0.6	57
125	Oxidative DNA damage in cultured cells and rat lungs by carcinogenic nickel compounds. <i>Free Radical Biology and Medicine</i> , 2001, 31, 108-116.	1.3	56
126	Cancer therapy using non-thermal atmospheric pressure plasma with ultra-high electron density. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	56

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127	Oxidative stress as an iceberg in carcinogenesis and cancer biology. <i>Archives of Biochemistry and Biophysics</i> , 2016, 595, 46-49.	1.4	56
128	Plasma with high electron density and plasma-activated medium for cancer treatment. <i>Clinical Plasma Medicine</i> , 2015, 3, 72-76.	3.2	55
129	Lysosomal nitric oxide determines transition from autophagy to ferroptosis after exposure to plasma-activated Ringer's lactate. <i>Redox Biology</i> , 2021, 43, 101989.	3.9	55
130	Effects of the Phenolic Contents of Mauritian Endemic Plant Extracts on Promoter Activities of Antioxidant Enzymes. <i>Free Radical Research</i> , 2003, 37, 1215-1224.	1.5	54
131	Oxidative Stress Response in Iron-Induced Acute Nephrotoxicity: Enhanced Expression of Heat Shock Protein 90. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 76-81.	1.0	52
132	The iron chaperone poly(rC)-binding protein 2 forms a metabolon with the heme oxygenase 1/cytochrome P450 reductase complex for heme catabolism and iron transfer. <i>Journal of Biological Chemistry</i> , 2017, 292, 13205-13229.	1.6	52
133	Localization of hydroxynonenal protein adducts in normal human kidney and selected human kidney cancers. <i>Free Radical Biology and Medicine</i> , 1999, 27, 695-703.	1.3	51
134	Histological detection of catalytic ferrous iron with the selective turn-on fluorescent probe RhoNox-1 in a Fenton reaction-based rat renal carcinogenesis model. <i>Free Radical Research</i> , 2014, 48, 990-995.	1.5	51
135	Novel ovarian endometriosis model causes infertility via iron-mediated oxidative stress in mice. <i>Redox Biology</i> , 2020, 37, 101726.	3.9	51
136	Increased susceptibility of chronic ulcerative colitis-induced carcinoma development in DNA repair enzyme <i>Ogg1</i> deficient mice. <i>Molecular Carcinogenesis</i> , 2008, 47, 638-646.	1.3	50
137	Ferroptosis-dependent extracellular vesicles from macrophage contribute to asbestos-induced mesothelial carcinogenesis through loading ferritin. <i>Redox Biology</i> , 2021, 47, 102174.	3.9	50
138	Iron as a target of chemoprevention for longevity in humans. <i>Free Radical Research</i> , 2011, 45, 906-917.	1.5	49
139	Iron and thiols as two major players in carcinogenesis: friends or foes?. <i>Frontiers in Pharmacology</i> , 2014, 5, 200.	1.6	49
140	Upregulation of thioredoxin (TRX) expression in giant cell myocarditis in rats. <i>FEBS Letters</i> , 2000, 472, 109-113.	1.3	48
141	Protective Effect of Colored Rice over White Rice on Fenton Reaction-based Renal Lipid Peroxidation in Rats. <i>Free Radical Research</i> , 2002, 36, 583-592.	1.5	48
142	Oxidative stress-dependent and -independent death of glioblastoma cells induced by non-thermal plasma-exposed solutions. <i>Scientific Reports</i> , 2019, 9, 13657.	1.6	48
143	Prevention by 2-Mercaptoethane Sulfonate and N-Acetylcysteine of Renal Oxidative Damage in Rats Treated with Ferric Nitrilotriacetate. <i>Japanese Journal of Cancer Research</i> , 1996, 87, 882-886.	1.7	47
144	Chronic Oxidative Stress Causes Amplification and Overexpression of ptpnz1 Protein Tyrosine Phosphatase to Activate β^2 -Catenin Pathway. <i>American Journal of Pathology</i> , 2007, 171, 1978-1988.	1.9	47

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145	Intraperitoneal administration of tangled multiwalled carbon nanotubes of 15â€‰nm in diameter does not induce mesothelial carcinogenesis in rats. <i>Pathology International</i> , 2013, 63, 457-462.	0.6	47
146	Lack of presence of the human cytomegalovirus in human glioblastoma. <i>Modern Pathology</i> , 2014, 27, 922-929.	2.9	47
147	Contrasting Genome-Wide Distribution of 8-Hydroxyguanine and Acrolein-Modified Adenine during Oxidative Stress-Induced Renal Carcinogenesis. <i>American Journal of Pathology</i> , 2006, 169, 1328-1342.	1.9	45
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