Harm H Kampinga

List of Publications by Year
in descending order

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198	22,808	12330 69	8866 145
papers	citations	h-index	g-index

213	213	213	33424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	The HSP70 chaperone machinery: J proteins as drivers of functional specificity. Nature Reviews Molecular Cell Biology, 2010, 11, 579-592.	37.0	1,423
4	Guidelines for the nomenclature of the human heat shock proteins. Cell Stress and Chaperones, 2009, 14, 105-111.	2.9	1,105
5	Rescue of Salivary Gland Function after Stem Cell Transplantation in Irradiated Glands. PLoS ONE, 2008, 3, e2063.	2.5	387
6	Structural and Functional Diversities between Members of the Human HSPB, HSPH, HSPA, and DNAJ Chaperone Families. Biochemistry, 2008, 47, 7001-7011.	2.5	327
7	A DNAJB Chaperone Subfamily with HDAC-Dependent Activities Suppresses Toxic Protein Aggregation. Molecular Cell, 2010, 37, 355-369.	9.7	325
8	Cellular Handling of Protein Aggregates by Disaggregation Machines. Molecular Cell, 2018, 69, 214-226.	9.7	280
9	Cytotoxicity of Artemisinin-Related Endoperoxides to Ehrlich Ascites Tumor Cells. Journal of Natural Products, 1993, 56, 849-856.	3.0	275
10	Hyperthermic radiosensitization: mode of action and clinical relevance. International Journal of Radiation Biology, 2001, 77, 399-408.	1.8	240
11	Cell biological effects of hyperthermia alone or combined with radiation or drugs: A short introduction to newcomers in the field. International Journal of Hyperthermia, 2006, 22, 191-196.	2.5	235
12	Molecular chaperones enhance the degradation of expanded polyglutamine repeat androgen receptor in a cellular model of spinal and bulbar muscular atrophy. Human Molecular Genetics, 2002, 11, 515-523.	2.9	221
13	Heat shock protein 70 (Hsp70) stimulates proliferation and cytolytic activity of natural killer cells. Experimental Hematology, 1999, 27, 1627-1636.	0.4	211
14	Polarised Asymmetric Inheritance of Accumulated Protein Damage in Higher Eukaryotes. PLoS Biology, 2006, 4, e417.	5.6	210
15	The small heat shock proteins family: The long forgotten chaperones. International Journal of Biochemistry and Cell Biology, 2012, 44, 1588-1592.	2.8	203
16	In Vivo Chaperone Activity of Heat Shock Protein 70 and Thermotolerance. Molecular and Cellular Biology, 1999, 19, 2069-2079.	2.3	195
17	Hsp70 and Hsp40 Chaperone Activities in the Cytoplasm and the Nucleus of Mammalian Cells. Journal of Biological Chemistry, 1997, 272, 33283-33289.	3.4	169
18	The diverse members of the mammalian HSP70 machine show distinct chaperone-like activities. Biochemical Journal, 2011, 435, 127-142.	3.7	163

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19	Induction of Heat Shock Response Protects the Heart Against Atrial Fibrillation. Circulation Research, 2006, 99, 1394-1402.	4.5	158
20	Interaction of the Molecular Chaperone DNAJB6 with Growing Amyloid-beta 42 (AÎ²42) Aggregates Leads to Sub-stoichiometric Inhibition of Amyloid Formation. Journal of Biological Chemistry, 2014, 289, 31066-31076.	3.4	158
21	The growing world of small heat shock proteins: from structure to functions. Cell Stress and Chaperones, 2017, 22, 601-611.	2.9	158
22	Computational analysis of the human HSPH/HSPA/DNAJ family and cloning of a human HSPH/HSPA/DNAJ expression library. Cell Stress and Chaperones, 2009, 14, 1-21.	2.9	153
23	HSPB7 is the most potent polyQ aggregation suppressor within the HSPB family of molecular chaperones. Human Molecular Genetics, 2010, 19, 4677-4693.	2.9	146
24	Mobilization of Bone Marrow Stem Cells by Granulocyte Colony-Stimulating Factor Ameliorates Radiation-Induced Damage to Salivary Glands. Clinical Cancer Research, 2006, 12, 1804-1812.	7.0	141
25	The S/T-Rich Motif in the DNAJB6 Chaperone Delays Polyglutamine Aggregation and the Onset of Disease in a Mouse Model. Molecular Cell, 2016, 62, 272-283.	9.7	140
26	Molecular mechanisms used by chaperones to reduce the toxicity of aberrant protein oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12479-12484.	7.1	137
27	Centrosomes Split in the Presence of Impaired DNA Integrity during Mitosis. Molecular Biology of the Cell, 2003, 14, 1993-2004.	2.1	133
28	BAG3 induces the sequestration of proteasomal clients into cytoplasmic puncta. Autophagy, 2014, 10, 1603-1621.	9.1	131
29	Bag1 Functions In Vivo as a Negative Regulator of Hsp70 Chaperone Activity. Molecular and Cellular Biology, 2000, 20, 1083-1088.	2.3	128
30	Heat shock proteins as potential targets for protective strategies in neurodegeneration. Lancet Neurology, The, 2016, 15, 748-759.	10.2	124
31	Keratinocyte Growth Factor Prevents Radiation Damage to Salivary Glands by Expansion of the Stem/Progenitor Pool. Stem Cells, 2008, 26, 2595-2601.	3.2	123
32	The DNAJB6 and DNAJB8 Protein Chaperones Prevent Intracellular Aggregation of Polyglutamine Peptides. Journal of Biological Chemistry, 2013, 288, 17225-17237.	3.4	122
33	Mutations in potassium channel kcnd3 cause spinocerebellar ataxia type 19. Annals of Neurology, 2012, 72, 870-880.	5.3	121
34	HSP DNAJB8 Controls Tumor-Initiating Ability in Renal Cancer Stemâ€“like Cells. Cancer Research, 2012, 72, 2844-2854.	0.9	116
35	Thermal Protein Denaturation and Protein Aggregation in Cells Made Thermotolerant by Various Chemicals: Role of Heat Shock Proteins. Experimental Cell Research, 1995, 219, 536-546.	2.6	115
36	Heat shock protein upregulation protects against pacing-induced myolysis in HL-1 atrial myocytes and in human atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2006, 41, 555-562.	1.9	113

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37	Reduction of cellular cisplatin resistance by hyperthermiaâ€"a review. International Journal of Hyperthermia, 1997, 13, 439-457.	2.5	109
38	Dynamic changes in the localization of thermally unfolded nuclear proteins associated with chaperone-dependent protection. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12038-12043.	7.1	109
39	Molecular mechanisms of remodeling in human atrial fibrillation. Cardiovascular Research, 2002, 54, 315-324.	3.8	109
40	HspB8 Participates in Protein Quality Control by a Non-chaperone-like Mechanism That Requires eIF2Î± Phosphorylation. Journal of Biological Chemistry, 2009, 284, 5523-5532.	3.4	109
41	Cells Overexpressing Hsp27 Show Accelerated Recovery from Heat-Induced Nuclear-Protein Aggregation. Biochemical and Biophysical Research Communications, 1994, 204, 1170-1177.	2.1	107
42	Modulation of in Vivo HSP70 Chaperone Activity by Hip and Bag-1. Journal of Biological Chemistry, 2001, 276, 4677-4682.	3.4	104
43	Disassembly of Tau fibrils by the human Hsp70 disaggregation machinery generates small seeding-competent species. Journal of Biological Chemistry, 2020, 295, 9676-9690.	3.4	103
44	Cytotoxicity of Flavonoids and Sesquiterpene Lactones fromArnicaSpecies Against the GLC₄and the COLO 320 Cell Lines. Planta Medica, 1994, 60, 434-437.	1.3	101
45	Barcoding heat shock proteins to human diseases: looking beyond the heat shock response. DMM Disease Models and Mechanisms, 2014, 7, 421-434.	2.4	100
46	Heat-shock-protein-27(HSP27) expression in ovarian carcinoma: Relation in response to chemotherapy and prognosis. , 1999, 84, 234-238.		99
47	DNAJB6 is a peptide-binding chaperone which can suppress amyloid fibrillation of polyglutamine peptides at substoichiometric molar ratios. Cell Stress and Chaperones, 2014, 19, 227-239.	2.9	98
48	Nuclear matrix as a target for hyperthermic killing of cancer cells. Cell Stress and Chaperones, 1998, 3, 245.	2.9	92
49	Mechanism of radiosensitization by hyperthermia (43Â°C) as derived from studies with DNA repair defective mutant cell lines. International Journal of Hyperthermia, 2004, 20, 131-139.	2.5	91
50	Transforming growth factor-Î² plasma dynamics and post-irradiation lung injury in lung cancer patients. Radiotherapy and Oncology, 2004, 71, 183-189.	0.6	89
51	Significance of plasma transforming growth factor-Î² levels in radiotherapy for nonâ€"small-cell lung cancer. International Journal of Radiation Oncology Biology Physics, 2004, 58, 1378-1387.	0.8	88
52	Protection of Salivary Function by Concomitant Pilocarpine During Radiotherapy: A Double-Blind, Randomized, Placebo-Controlled Study. International Journal of Radiation Oncology Biology Physics, 2008, 70, 14-22.	0.8	88
53	Axonal inclusions in spinocerebellar ataxia type 3. Acta Neuropathologica, 2010, 120, 449-460.	7.7	88
54	Overexpression of the Cochaperone CHIP Enhances Hsp70-Dependent Folding Activity in Mammalian Cells. Molecular and Cellular Biology, 2003, 23, 4948-4958.	2.3	87

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55	The Relationship of Increased Nuclear Protein Content Induced by Hyperthermia to Killing of HeLa S3 Cells. Radiation Research, 1989, 117, 511.	1.5	84
56	Radiation Damage to the Heart Enhances Early Radiation-Induced Lung Function Loss: Figure 1.. Cancer Research, 2005, 65, 6509-6511.	0.9	83
57	De novo CoA biosynthesis is required to maintain DNA integrity during development of the Drosophila nervous system. Human Molecular Genetics, 2008, 17, 2058-2069.	2.9	83
58	Identification of the Drosophila Ortholog of HSPB8. Journal of Biological Chemistry, 2010, 285, 37811-37822.	3.4	79
59	Regulation of stress-induced intracellular sorting and chaperone function of Hsp27 (HspB1) in mammalian cells. Biochemical Journal, 2007, 407, 407-417.	3.7	78
60	HSPB1, HSPB6, HSPB7 and HSPB8 Protect against RhoA GTPase-Induced Remodeling in Tachypaced Atrial Myocytes. PLoS ONE, 2011, 6, e20395.	2.5	78
61	HSPBs: Small proteins with big implications in human disease. International Journal of Biochemistry and Cell Biology, 2012, 44, 1706-1710.	2.8	77
62	The Impact of Heart Irradiation on Doseâ€"Volume Effects in the Rat Lung. International Journal of Radiation Oncology Biology Physics, 2007, 69, 552-559.	0.8	76
63	Calpain mediates cardiac troponin degradation and contractile dysfunction in atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2008, 45, 685-693.	1.9	76
64	The HSPB8â€BAG3 chaperone complex is upregulated in astrocytes in the human brain affected by protein aggregation diseases. Neuropathology and Applied Neurobiology, 2012, 38, 39-53.	3.2	76
65	Thermostability of a Nuclear-Targeted Luciferase Expressed in Mammalian Cells. Destabilizing Influence of the Intranuclear Microenvironment. FEBS Journal, 1995, 234, 382-389.	0.2	74
66	Cytokine Treatment Improves Parenchymal and Vascular Damage of Salivary Glands after Irradiation. Clinical Cancer Research, 2008, 14, 7741-7750.	7.0	74
67	HSPB7 is a SC35 speckle resident small heat shock protein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1343-1353.	4.1	73
68	Selective targeting of homologous DNA recombination repair by gemcitabine. International Journal of Radiation Oncology Biology Physics, 2003, 57, 553-562.	0.8	72
69	Different anti-aggregation and pro-degradative functions of the members of the mammalian sHSP family in neurological disorders. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20110409.	4.0	71
70	Calpain inhibition prevents pacing-induced cellular remodeling in a HL-1 myocyte model for atrial fibrillation. Cardiovascular Research, 2004, 62, 521-528.	3.8	70
71	Alteration of protein folding and degradation in motor neuron diseases: Implications and protective functions of small heat shock proteins. Progress in Neurobiology, 2012, 97, 83-100.	5.7	66
72	Stressful preconditioning and HSP70 overexpression attenuate proteotoxicity of cellular ATP depletion. American Journal of Physiology - Cell Physiology, 2002, 283, C521-C534.	4.6	65

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73	Myopathy associated BAG3 mutations lead to protein aggregation by stalling Hsp70 networks. Nature Communications, 2018, 9, 5342.	12.8	65
74	Hsp70 Protects Mitotic Cells against Heat-induced Centrosome Damage and Division Abnormalities. Molecular Biology of the Cell, 2005, 16, 3776-3785.	2.1	64
75	Heat Shock Protein (Hsp) 40 Mutants Inhibit Hsp70 in Mammalian Cells. Journal of Biological Chemistry, 1999, 274, 36757-36763.	3.4	63
76	Effects of different small HSPB members on contractile dysfunction and structural changes in a Drosophila melanogaster model for Atrial Fibrillation. Journal of Molecular and Cellular Cardiology, 2011, 51, 381-389.	1.9	62
77	DNAJB6, a Key Factor in Neuronal Sensitivity to Amyloidogenesis. Molecular Cell, 2020, 78, 346-358.e9.	9.7	62
78	BAG3 Directly Interacts with Mutated alphaB-Crystallin to Suppress Its Aggregation and Toxicity. PLoS ONE, 2011, 6, e16828.	2.5	62
79	Hydroximic Acid Derivatives: Pleiotropic Hsp Co-Inducers Restoring Homeostasis and Robustness. Current Pharmaceutical Design, 2013, 19, 309-346.	1.9	61
80	Distribution, phosphorylation, and activities of Hsp25 in heat-stressed H9c2 myoblasts: a functional link to cytoprotection. Cell Stress and Chaperones, 2002, 7, 146.	2.9	60
81	Quantification of Transforming Growth Factor-Î² in Biological Material Using Cells Transfected with a Plasminogen Activator Inhibitor-1 Promoterâ€“Luciferase Construct. Analytical Biochemistry, 1997, 247, 45-51.	2.4	59
82	BRCA1 and BRCA2 heterozygosity and repair of X-ray-induced DNA damage. International Journal of Radiation Biology, 2002, 78, 285-295.	1.8	59
83	DNAJs: more than substrate delivery to HSPA. Frontiers in Molecular Biosciences, 2015, 2, 35.	3.5	54
84	Mechanism of hyperthermic potentiation of cisplatin action in cisplatin-sensitive and -resistant tumour cells. British Journal of Cancer, 1997, 75, 1735-1743.	6.4	53
85	Role of lipid peroxidation and DNA damage in paraquat toxicity and the interaction of paraquat with ionizing radiation. Biochemical Pharmacology, 1992, 43, 705-715.	4.4	52
86	Pulmonary Radiation Injury: Identification of Risk Factors Associated with Regional Hypersensitivity. Cancer Research, 2005, 65, 3568-3576.	0.9	52
87	Intravital correlated microscopy reveals differential macrophage and microglial dynamics during resolution of neuroinflammation. DMM Disease Models and Mechanisms, 2014, 7, 857-869.	2.4	52
88	mHTT Seeding Activity: A Marker of Disease Progression and Neurotoxicity in Models of Huntingtonâ€™s Disease. Molecular Cell, 2018, 71, 675-688.e6.	9.7	50
89	Heat shock proteins as molecular targets for intervention in atrial fibrillation. Cardiovascular Research, 2008, 78, 422-428.	3.8	49
90	Changes in Expression of Injury After Irradiation of Increasing Volumes in Rat Lung. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1510-1518.	0.8	47

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91	Modulation of polyglutamine inclusion formation by the Hsp70 chaperone machine. Experimental Cell Research, 2007, 313, 3568-3578.	2.6	47
92	HSP27 protects AML cells against VP-16-induced apoptosis through modulation of p38 and c-Jun. Experimental Hematology, 2005, 33, 660-670.	0.4	46
93	Small heat shock proteins, protein degradation and protein aggregation diseases. Autophagy, 2011, 7, 101-103.	9.1	46
94	Cellular protein quality control and the evolution of aggregates in spinocerebellar ataxia type 3 (SCA3). Neuropathology and Applied Neurobiology, 2012, 38, 548-558.	3.2	46
95	Protein quality control in the nucleolus safeguards recovery of epigenetic regulators after heat shock. ELife, 2019, 8, .	6.0	46
96	The Copper Metabolism MURR1 Domain Protein 1 (COMMD1) Modulates the Aggregation of Misfolded Protein Species in a Client-Specific Manner. PLoS ONE, 2014, 9, e92408.	2.5	45
97	Specific protein homeostatic functions of small heatâ€shock proteins increase lifespan. Aging Cell, 2016, 15, 217-226.	6.7	45
98	On the role of hsp72 in heat-induced intranuclear protein aggregation. International Journal of Hyperthermia, 1994, 10, 659-674.	2.5	42
99	Preservation of the rat parotid gland function after radiation by prophylactic pilocarpine treatment: radiation dose dependency and compensatory mechanisms. International Journal of Radiation Oncology Biology Physics, 1999, 45, 483-489.	0.8	42
100	Strand break repair, DNA polymerase activity and heat radiosensitization in thermotolerant cells. International Journal of Hyperthermia, 1985, 1, 131-145.	2.5	40
101	Importance of the ATP-Binding Domain and Nucleolar Localization Domain of HSP72 in the Protection of Nuclear Proteins against Heat-Induced Aggregation. Experimental Cell Research, 1994, 214, 279-284.	2.6	40
102	Enhanced proliferation of acinar and progenitor cells by prophylactic pilocarpine treatment underlies the observed amelioration of radiation injury to parotid glands. Radiotherapy and Oncology, 2009, 90, 253-256.	0.6	40
103	Polyglutamine aggregation in <scp>H</scp>untington's disease and spinocerebellar ataxia type 3: similar mechanisms in aggregate formation. Neuropathology and Applied Neurobiology, 2016, 42, 153-166.	3.2	40
104	Chaperones in Polyglutamine Aggregation: Beyond the Q-Stretch. Frontiers in Neuroscience, 2017, 11, 145.	2.8	40
105	Comparison of Intra-organellar Chaperone Capacity for Dealing with Stress-induced Protein Unfolding. Journal of Biological Chemistry, 2007, 282, 34334-34345.	3.4	39
106	Functional diversity between HSP70 paralogs caused by variable interactions with specific co-chaperones. Journal of Biological Chemistry, 2020, 295, 7301-7316.	3.4	39
107	Heat-induced nuclear protein binding and its relation to thermal cytotoxicity. International Journal of Hyperthermia, 1987, 3, 459-465.	2.5	38
108	Loco-regional differences in pulmonary function and density after partial rat lung irradiation. Radiotherapy and Oncology, 2003, 69, 11-19.	0.6	37

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109	Overexpression of Cystathionine Î³-Lyase Suppresses Detrimental Effects of Spinocerebellar Ataxia Type 3. Molecular Medicine, 2015, 21, 758-768.	4.4	37
110	DNAJ Proteins and Protein Aggregation Diseases. Current Topics in Medicinal Chemistry, 2013, 12, 2479-2490.	2.1	37
111	The Interaction of Heat and Radiation Affecting the Ability of Nuclear DNA to Undergo Supercoiling Changes. Radiation Research, 1988, 116, 114.	1.5	36
112	Hyperthermia, thermotolerance and topoisomerase II inhibitors. British Journal of Cancer, 1995, 72, 333-338.	6.4	36
113	Grp/DChk1 is required for G2-M checkpoint activation in Drosophila S2 cells, whereas Dmnk/DChk2 is dispensable. Journal of Cell Science, 2005, 118, 1833-1842.	2.0	36
114	Radiation and Transforming Growth Factor-Î² Cooperate in Transcriptional Activation of the Profibrotic Plasminogen Activator Inhibitor-1 Gene. Clinical Cancer Research, 2005, 11, 5956-5964.	7.0	36
115	Heat Shock Proteinâ€“Inducing Compounds as Therapeutics to Restore Proteostasis in Atrial Fibrillation. Trends in Cardiovascular Medicine, 2012, 22, 62-68.	4.9	35
116	Thermotolerance and nuclear protein aggregation: Protection against initial damage or better recovery?. Journal of Cellular Physiology, 1995, 164, 579-586.	4.1	34
117	Elevated mutant dynorphin A causes Purkinje cell loss and motor dysfunction in spinocerebellar ataxia type 23. Brain, 2015, 138, 2537-2552.	7.6	34
118	Levels of DNAJB family members (HSP40) correlate with disease onset in patients with spinocerebellar ataxia type 3. European Journal of Neuroscience, 2010, 32, 760-770.	2.6	33
119	The Regulation of the Autophagic Network and Its Implications for Human Disease. International Journal of Biological Sciences, 2013, 9, 1121-1133.	6.4	33
120	Carboplatin- and cisplatin-induced potentiation of moderate-dose radiation cytotoxicity in human lung cancer cell lines. British Journal of Cancer, 1995, 72, 1406-1411.	6.4	31
121	Hyperthermic potentiation of cisplatin toxicity in a human small cell lung carcinoma cell line and a cisplatin resistant subline. International Journal of Hyperthermia, 1994, 10, 795-805.	2.5	29
122	Defects in muscarinic receptor-coupled signal transduction in isolated parotid gland cells after in vivo irradiation: evidence for a non-DNA target of radiation. British Journal of Cancer, 2005, 92, 539-546.	6.4	29
123	Heat shock proteins and Bcl-2 expression and function in relation to the differential hyperthermic sensitivity between leukemic and normal hematopoietic cells. Cell Stress and Chaperones, 2007, 12, 320.	2.9	28
124	Heat-induced Intranuclear Protein Aggregation and Thermal Radiosensitization. International Journal of Radiation Biology, 1995, 67, 203-209.	1.8	27
125	Role of DNA-PK Subunits in Radiosensitization by Hyperthermia. Radiation Research, 1999, 152, 214.	1.5	27
126	Versatile members of the DNAJ family show Hsp70 dependent anti-aggregation activity on RING1 mutant parkin C289G. Scientific Reports, 2016, 6, 34830.	3.3	26

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127	Distinguishing aggregate formation and aggregate clearance using cell based assays. Journal of Cell Science, 2016, 129, 1260-70.	2.0	26
128	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	3.9	26
129	Acquisition of thermotolerance induced by heat and arsenite in HeLa S3 cells: Multiple pathways to induce tolerance?. Journal of Cellular Physiology, 1992, 150, 406-415.	4.1	25
130	DNA Double Strand Breaks Do Not Play a Role in Heat-Induced Cell Killing. Cancer Research, 2005, 65, 10632-10633.	0.9	25
131	Deficiency of hepatocystin induces autophagy through an mTOR-dependent pathway. Autophagy, 2011, 7, 748-759.	9.1	25
132	Differences in heat sensitivity between normal and acute myeloid leukemic stem cells: Feasibility of hyperthermic purging of leukemic cells from autologous stem cell grafts. Experimental Hematology, 2003, 31, 421-427.	0.4	24
133	Kadota Fund International Forum 2004. Application of thermal stress for the improvement of health, 15â€“18 June 2004, Awaji Yumebutai International Conference Center, Awaji Island, Hyogo, Japan. Final Report. International Journal of Hyperthermia, 2008, 24, 123-140.	2.5	24
134	Spinocerebellar ataxia type 19/22 mutations alter heterocomplex Kv4.3 channel function and gating in a dominant manner. Cellular and Molecular Life Sciences, 2015, 72, 3387-3399.	5.4	24
135	Thermal Radiosensitization in Heat- and Radiation-sensitive Mutants of CHO Cells. International Journal of Radiation Biology, 1993, 64, 225-230.	1.8	23
136	Comparison of three rat strains for development of radiation-induced lung injury after hemithoracic irradiation. Radiotherapy and Oncology, 2001, 58, 313-316.	0.6	23
137	CHEMO- AND RADIOSENSITIVITY TESTING IN A PATIENT WITH ATAXIA TELANGIECTASIA AND HODGKIN DISEASE. Pediatric Hematology and Oncology, 2002, 19, 163-171.	0.8	22
138	Astrocytic expression of the chaperone DNAJB6 results in non-cell autonomous protection in Huntingtonâ€™s disease. Neurobiology of Disease, 2019, 124, 108-117.	4.4	22
139	An Image Analysis Technique for Detection of Radiation-induced DNA Fragmentation after CHEF Electrophoresis. International Journal of Radiation Biology, 1993, 64, 245-249.	1.8	21
140	Stwl Modifies Chromatin Compaction and Is Required to Maintain DNA Integrity in the Presence of Perturbed DNA Replication. Molecular Biology of the Cell, 2009, 20, 983-994.	2.1	21
141	Protein Quality Control Pathways at the Crossroad of Synucleinopathies. Journal of Parkinson's Disease, 2020, 10, 369-382.	2.8	21
142	<scp>CAG</scp> Repeat Size Influences the Progression Rate of Spinocerebellar Ataxia Type 3. Annals of Neurology, 2021, 89, 66-73.	5.3	21
143	Analysis of Molecular Chaperone Activities Using In Vitro and In Vivo Approaches. , 2000, 99, 393-419.		20
144	Reconstitution of active telomerase in primary human foreskin fibroblasts: effects on proliferative characteristics and response to ionizing radiation. International Journal of Radiation Biology, 2004, 80, 377-388.	1.8	20

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145	Beat shock proteins and atrial fibrillation. Cell Stress and Chaperones, 2007, 12, 97.	2.9	20
146	Relation between radiation-induced whole lung functional loss and regional structural changes in partial irradiated rat lung. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1495-1502.	0.8	19
147	Sensitizing for cis-diamminedichloroplatinum(II) action by hyperthermia in resistant cells. International Journal of Hyperthermia, 1993, 9, 553-562.	2.5	17
148	Dysfunctional BRCA1 is only indirectly linked to multiple centrosomes. Oncogene, 2005, 24, 7619-7623.	5.9	17
149	Optimum dose range for the amelioration of long term radiation-induced hyposalivation using prophylactic pilocarpine treatment. Radiotherapy and Oncology, 2008, 86, 347-353.	0.6	17
150	HSPA1A-Independent Suppression of PARK2 C289G Protein Aggregation by Human Small Heat Shock Proteins. Molecular and Cellular Biology, 2014, 34, 3570-3578.	2.3	17
151	The N terminus of the small heat shock protein HSPB7 drives its polyQ aggregationâ€“suppressing activity. Journal of Biological Chemistry, 2019, 294, 9985-9994.	3.4	17
152	Radiation induced DNA damage and damage repair in three human tumour cell lines. Mutation Research DNA Repair, 1996, 362, 51-59.	3.7	16
153	Î”Np73 Enhances Promoter Activity of TGF-Î² Induced Genes. PLoS ONE, 2012, 7, e50815.	2.5	16
154	Purging of acute myeloid leukaemia cells from stem cell grafts by hyperthermia: enhancement of the therapeutic index by the tetrapeptide AcSDKP and the alkyl-lysophospholipid ET-18-OCH3. British Journal of Haematology, 2000, 111, 1145-1152.	2.5	16
155	DNAJB6b-enriched small extracellular vesicles decrease polyglutamine aggregation in inÂvitro and inÂvivo models of Huntington disease. IScience, 2021, 24, 103282.	4.1	16
156	Interaction of Hyperthermia and Radiation in Tolerant and Nontolerant HeLa S3 cells: Role of DNA Polymerase Inactivation. International Journal of Radiation Biology, 1989, 55, 423-433.	1.8	15
157	Possible role of localized protein denaturation in the mechanism of induction of thermotolerance by heat, sodium-arsenite and ethanol. International Journal of Hyperthermia, 1993, 9, 151-162.	2.5	15
158	Association of HSP72 with the nuclear (TX-100-insoluble) fraction upon heating tolerant and non-tolerant HeLa S3 cells. International Journal of Hyperthermia, 1993, 9, 89-98.	2.5	14
159	Cisplatin sensitivity and thermochemosensitisation in thermotolerant cDDP-sensitive and -resistant cell lines. British Journal of Cancer, 1995, 71, 498-504.	6.4	14
160	Synergistic induction of profibrotic PAI-1 by TGF-Î² and radiation depends on p53. Radiotherapy and Oncology, 2010, 97, 33-35.	0.6	14
161	Chaperoned by Prebiotic Inorganic Polyphosphate Molecules: An Ancient Transcription-Independent Mechanism to Restore Protein Homeostasis. Molecular Cell, 2014, 53, 685-687.	9.7	14
162	Peripheral Blood Stem Cells Differ from Bone Marrow Stem Cells in Cell Cycle Status, Repopulating Potential, and Sensitivity Toward Hyperthermic Purging in Mice Mobilized with Cyclophosphamide and Granulocyte Colony-Stimulating Factor. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 523-532.	1.8	13

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163	Brain death induces renal expression of heme oxygenase-1 and heat shock protein 70. Journal of Translational Medicine, 2013, 11, 22.	4.4	13
164	Sensitization to cisplatin action by step-down heating in cddp-sensitive and -resistant cells. International Journal of Cancer, 1995, 61, 722-726.	5.1	12
165	Continuous growth of telomerase-immortalised fibroblasts: How long do cells remain normal?. Mechanisms of Ageing and Development, 2006, 127, 85-87.	4.6	12
166	Drosophila phosphopantothenoylcysteine synthetase is required for tissue morphogenesis during oogenesis. BMC Research Notes, 2008, 1, 75.	1.4	12
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