Harm H Kampinga

List of Publications by Year
in descending order

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	Targeting DNA topoisomerases or checkpoint kinases results in an overload of chaperone systems, triggering aggregation of a metastable subproteome. ELife, 2022, 11, .	6.0	10
2	<scp>CAG</scp> Repeat Size Influences the Progression Rate of Spinocerebellar Ataxia Type 3. Annals of Neurology, 2021, 89, 66-73.	5.3	21
3	First Virtual International Congress on Cellular and Organismal Stress Responses, November 5â€"6, 2020. Cell Stress and Chaperones, 2021, 26, 289-295.	2.9	0
4	DNAJB chaperones suppress destabilised protein aggregation via a region distinct from that used to inhibit amyloidogenesis. Journal of Cell Science, 2021, 134, .	2.0	12
5	FOXO1 controls protein synthesis and transcript abundance of mutant polyglutamine proteins, preventing protein aggregation. Human Molecular Genetics, 2021, 30, 996-1005.	2.9	2
6	Activation of IRE1, PERK and salt-inducible kinases leads to Sec body formation in Drosophila S2 cells. Journal of Cell Science, 2021, 134, .	2.0	6
7	DNAJB6b-enriched small extracellular vesicles decrease polyglutamine aggregation in inÂvitro and inÂvivo models of Huntington disease. IScience, 2021, 24, 103282.	4.1	16
8	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	3.9	26
9	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
10	Protein Quality Control Pathways at the Crossroad of Synucleinopathies. Journal of Parkinson's Disease, 2020, 10, 369-382.	2.8	21
11	DNAJB6, a Key Factor in Neuronal Sensitivity to Amyloidogenesis. Molecular Cell, 2020, 78, 346-358.e9.	9.7	62
12	Functional diversity between HSP70 paralogs caused by variable interactions with specific co-chaperones. Journal of Biological Chemistry, 2020, 295, 7301-7316.	3.4	39
13	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
14	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
15	Protein quality control in the nucleolus safeguards recovery of epigenetic regulators after heat shock. ELife, 2019, 8, .	6.0	46
16	Cellular Handling of Protein Aggregates by Disaggregation Machines. Molecular Cell, 2018, 69, 214-226.	9.7	280
17	Measurement of Chaperone-Mediated Effects on Polyglutamine Protein Aggregation by the Filter Trap Assay. Methods in Molecular Biology, 2018, 1709, 59-74.	0.9	11
18	Myopathy associated BAG3 mutations lead to protein aggregation by stalling Hsp70 networks. Nature Communications, 2018, 9, 5342.	12.8	65

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19	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
20	Heat Shock Proteins and Protein Quality Control in Alzheimerâ€™s Disease. , 2018, , 269-298.		5
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	Chaperones in Polyglutamine Aggregation: Beyond the Q-Stretch. Frontiers in Neuroscience, 2017, 11, 145.	2.8	40
23	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
24	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
25	Heat shock proteins as potential targets for protective strategies in neurodegeneration. Lancet Neurology, The, 2016, 15, 748-759.	10.2	124
26	Specific protein homeostatic functions of small heatâ€shock proteins increase lifespan. Aging Cell, 2016, 15, 217-226.	6.7	45
27	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
28	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
29	Distinguishing aggregate formation and aggregate clearance using cell based assays. Journal of Cell Science, 2016, 129, 1260-70.	2.0	26
30	DNAJs: more than substrate delivery to HSPA. Frontiers in Molecular Biosciences, 2015, 2, 35.	3.5	54
31	RhoA Activation Sensitizes Cells to Proteotoxic Stimuli by Abrogating the HSF1-Dependent Heat Shock Response. PLoS ONE, 2015, 10, e0133553.	2.5	8
32	Overexpression of Cystathionine Î³-Lyase Suppresses Detrimental Effects of Spinocerebellar Ataxia Type 3. Molecular Medicine, 2015, 21, 758-768.	4.4	37
33	It takes two to untangle. Nature, 2015, 524, 169-170.	27.8	1
34	The Multicolored World of the Human HSPB Family. Heat Shock Proteins, 2015, , 3-26.	0.2	9
35	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
36	Elevated mutant dynorphin A causes Purkinje cell loss and motor dysfunction in spinocerebellar ataxia type 23. Brain, 2015, 138, 2537-2552.	7.6	34

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37	Rescue of Î±B Crystallin (HSPB5) Mutants Associated Protein Aggregation by Co-Expression of HSPB5 Partners. PLoS ONE, 2015, 10, e0126761.	2.5	12
38	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
39	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
40	BAG3 induces the sequestration of proteasomal clients into cytoplasmic puncta. Autophagy, 2014, 10, 1603-1621.	9.1	131
41	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
42	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
43	Chaperoned by Prebiotic Inorganic Polyphosphate Molecules: An Ancient Transcription-Independent Mechanism to Restore Protein Homeostasis. Molecular Cell, 2014, 53, 685-687.	9.7	14
44	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
45	<scp>SCA</scp>14 mutation V138E leads to partly unfolded <scp>PKC</scp>Î³ associated with an exposed Câ€terminus, altered kinetics, phosphorylation and enhanced insolubilization. Journal of Neurochemistry, 2014, 128, 741-751.	3.9	8
46	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
47	A cell death avenue evolved from a life-saving path. Science, 2014, 344, 1341-1342.	12.6	3
48	Brain death induces renal expression of heme oxygenase-1 and heat shock protein 70. Journal of Translational Medicine, 2013, 11, 22.	4.4	13
49	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
50	Hydroximic Acid Derivatives: Pleiotropic Hsp Co-Inducers Restoring Homeostasis and Robustness. Current Pharmaceutical Design, 2013, 19, 309-346.	1.9	61
51	The DNAJB6 and DNAJB8 Protein Chaperones Prevent Intracellular Aggregation of Polyglutamine Peptides. Journal of Biological Chemistry, 2013, 288, 17225-17237.	3.4	122
52	The Regulation of the Autophagic Network and Its Implications for Human Disease. International Journal of Biological Sciences, 2013, 9, 1121-1133.	6.4	33
53	DNAJ Proteins and Protein Aggregation Diseases. Current Topics in Medicinal Chemistry, 2013, 12, 2479-2490.	2.1	37
54	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

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55	Heat Shock Proteinâ€“Inducing Compounds as Therapeutics to Restore Proteostasis in Atrial Fibrillation. Trends in Cardiovascular Medicine, 2012, 22, 62-68.	4.9	35
56	Mutations in potassium channel <i>kcnd3</i> cause spinocerebellar ataxia type 19. Annals of Neurology, 2012, 72, 870-880.	5.3	121
57	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
58	The small heat shock proteins family: The long forgotten chaperones. International Journal of Biochemistry and Cell Biology, 2012, 44, 1588-1592.	2.8	203
59	HSPBs: Small proteins with big implications in human disease. International Journal of Biochemistry and Cell Biology, 2012, 44, 1706-1710.	2.8	77
60	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
61	Protein refolding in peroxisomes is dependent upon an HSF1-regulated function. Cell Stress and Chaperones, 2012, 17, 603-613.	2.9	11
62	Î”Np73 Enhances Promoter Activity of TGF-Î² Induced Genes. PLoS ONE, 2012, 7, e50815.	2.5	16
63	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
64	HSP DNAJB8 Controls Tumor-Initiating Ability in Renal Cancer Stemâ€“like Cells. Cancer Research, 2012, 72, 2844-2854.	0.9	116
65	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
66	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
67	Small heat shock proteins, protein degradation and protein aggregation diseases. Autophagy, 2011, 7, 101-103.	9.1	46
68	HSPB1, HSPB6, HSPB7 and HSPB8 Protect against RhoA GTPase-Induced Remodeling in Tachypaced Atrial Myocytes. PLoS ONE, 2011, 6, e20395.	2.5	78
69	Deficiency of hepatocystin induces autophagy through an mTOR-dependent pathway. Autophagy, 2011, 7, 748-759.	9.1	25
70	The diverse members of the mammalian HSP70 machine show distinct chaperone-like activities. Biochemical Journal, 2011, 435, 127-142.	3.7	163
71	BAG3 Directly Interacts with Mutated alphaB-Crystallin to Suppress Its Aggregation and Toxicity. PLoS ONE, 2011, 6, e16828.	2.5	62
72	Axonal inclusions in spinocerebellar ataxia type 3. Acta Neuropathologica, 2010, 120, 449-460.	7.7	88

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73	The HSP70 chaperone machinery: J proteins as drivers of functional specificity. Nature Reviews Molecular Cell Biology, 2010, 11, 579-592.	37.0	1,423
74	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
75	Identification of the Drosophila Ortholog of HSPB8. Journal of Biological Chemistry, 2010, 285, 37811-37822.	3.4	79
76	A DNAJB Chaperone Subfamily with HDAC-Dependent Activities Suppresses Toxic Protein Aggregation. Molecular Cell, 2010, 37, 355-369.	9.7	325
77	Synergistic induction of profibrotic PAI-1 by TGF-Î² and radiation depends on p53. Radiotherapy and Oncology, 2010, 97, 33-35.	0.6	14
78	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
79	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
80	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
81	HSPB7 is a SC35 speckle resident small heat shock protein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1343-1353.	4.1	73
82	Corrigendum to â€œHSPB7 is a SC35 speckle resident small heat shock proteinâ€•[Biochim. Biophys. Acta 1793 (2009) 1343â€"1353]. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1929-1930.	4.1	0
83	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
84	Guidelines for the nomenclature of the human heat shock proteins. Cell Stress and Chaperones, 2009, 14, 105-111.	2.9	1,105
85	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
86	A longâ€term flow cytometry assay to analyze the role of specific genes of <i>Drosophila melanogaster</i> S2 cells in surviving genotoxic stress. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 637-642.	1.5	2
87	A PCR amplification strategy for unrestricted generation of chimeric genes. Analytical Biochemistry, 2008, 380, 338-340.	2.4	5
88	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
89	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
90	Drosophila phosphopantothenoylcysteine synthetase is required for tissue morphogenesis during oogenesis. BMC Research Notes, 2008, 1, 75.	1.4	12

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91	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
92	Calpain mediates cardiac troponin degradation and contractile dysfunction in atrial fibrillation. Journal of Molecular and Cellular Cardiology, 2008, 45, 685-693.	1.9	76
93	Structural and Functional Diversities between Members of the Human HSPB, HSPH, HSPA, and DNAJ Chaperone Families. Biochemistry, 2008, 47, 7001-7011.	2.5	327
94	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
95	Heat shock proteins as molecular targets for intervention in atrial fibrillation. Cardiovascular Research, 2008, 78, 422-428.	3.8	49
96	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
97	Cytokine Treatment Improves Parenchymal and Vascular Damage of Salivary Glands after Irradiation. Clinical Cancer Research, 2008, 14, 7741-7750.	7.0	74
98	Rescue of Salivary Gland Function after Stem Cell Transplantation in Irradiated Glands. PLoS ONE, 2008, 3, e2063.	2.5	387
99	Comparison of Intra-organellar Chaperone Capacity for Dealing with Stress-induced Protein Unfolding. Journal of Biological Chemistry, 2007, 282, 34334-34345.	3.4	39
100	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
101	Regulation of stress-induced intracellular sorting and chaperone function of Hsp27 (HspB1) in mammalian cells. Biochemical Journal, 2007, 407, 407-417.	3.7	78
102	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
103	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
104	Modulation of polyglutamine inclusion formation by the Hsp70 chaperone machine. Experimental Cell Research, 2007, 313, 3568-3578.	2.6	47
105	Beat shock proteins and atrial fibrillation. Cell Stress and Chaperones, 2007, 12, 97.	2.9	20
106	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
107	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
108	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

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109	Continuous growth of telomerase-immortalised fibroblasts: How long do cells remain normal?. Mechanisms of Ageing and Development, 2006, 127, 85-87.	4.6	12
110	Polarised Asymmetric Inheritance of Accumulated Protein Damage in Higher Eukaryotes. PLoS Biology, 2006, 4, e417.	5.6	210
111	Induction of Heat Shock Response Protects the Heart Against Atrial Fibrillation. Circulation Research, 2006, 99, 1394-1402.	4.5	158
112	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
113	In Response to Drs. Anscher and Kong. International Journal of Radiation Oncology Biology Physics, 2005, 63, 308.	0.8	7
114	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
115	Dysfunctional BRCA1 is only indirectly linked to multiple centrosomes. Oncogene, 2005, 24, 7619-7623.	5.9	17
116	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
117	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
118	Hsp70 Protects Mitotic Cells against Heat-induced Centrosome Damage and Division Abnormalities. Molecular Biology of the Cell, 2005, 16, 3776-3785.	2.1	64
119	Pulmonary Radiation Injury: Identification of Risk Factors Associated with Regional Hypersensitivity. Cancer Research, 2005, 65, 3568-3576.	0.9	52
120	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
121	Radiation Damage to the Heart Enhances Early Radiation-Induced Lung Function Loss: Figure 1.. Cancer Research, 2005, 65, 6509-6511.	0.9	83
122	DNA Double Strand Breaks Do Not Play a Role in Heat-Induced Cell Killing. Cancer Research, 2005, 65, 10632-10633.	0.9	25
123	Renal expression of heat shock proteins after brain death induction in rats. Transplantation Proceedings, 2005, 37, 359-360.	0.6	10
124	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
125	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
126	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

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127	In reply to Dr. Barthelemy-Brichant. International Journal of Radiation Oncology Biology Physics, 2004, 60, 1339-1340.	0.8	3
128	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
129	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
130	Post-irradiation dietary vitamin E does not affect the development of radiation-induced lung damage in rats. Radiotherapy and Oncology, 2004, 72, 67-70.	0.6	6
131	Bone Marrow-Derived Stem Cells Reduce Radiation-Induced Damage to Salivary Glands.. Blood, 2004, 104, 1194-1194.	1.4	0
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	Selective targeting of homologous DNA recombination repair by gemcitabine. International Journal of Radiation Oncology Biology Physics, 2003, 57, 553-562.	0.8	72
134	Loco-regional differences in pulmonary function and density after partial rat lung irradiation. Radiotherapy and Oncology, 2003, 69, 11-19.	0.6	37
135	Overexpression of the Cochaperone CHIP Enhances Hsp70-Dependent Folding Activity in Mammalian Cells. Molecular and Cellular Biology, 2003, 23, 4948-4958.	2.3	87
136	Centrosomes Split in the Presence of Impaired DNA Integrity during Mitosis. Molecular Biology of the Cell, 2003, 14, 1993-2004.	2.1	133
137	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
138	BRCA1 and BRCA2 heterozygosity and repair of X-ray-induced DNA damage. International Journal of Radiation Biology, 2002, 78, 285-295.	1.8	59
139	Molecular mechanisms of remodeling in human atrial fibrillation. Cardiovascular Research, 2002, 54, 315-324.	3.8	109
140	CHEMO- AND RADIOSENSITIVITY TESTING IN A PATIENT WITH ATAXIA TELANGIECTASIA AND HODGKIN DISEASE. Pediatric Hematology and Oncology, 2002, 19, 163-171.	0.8	22
141	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
142	Stressful preconditioning and HSP70 overexpression attenuate proteotoxicity of cellular ATP depletion. American Journal of Physiology - Cell Physiology, 2002, 283, C521-C534.	4.6	65
143	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
144	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

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145	Hyperthermic radiosensitization: mode of action and clinical relevance. International Journal of Radiation Biology, 2001, 77, 399-408.	1.8	240
146	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
147	Modulation of in Vivo HSP70 Chaperone Activity by Hip and Bag-1. Journal of Biological Chemistry, 2001, 276, 4677-4682.	3.4	104
148	Purging of acute myeloid leukaemia cells from stem cell grafts by hyperthermia: enhancement of the therapeutic index by the tetrapeptide AcSDKP and the alkylâ€•lysophospholipid ETâ€•18â€•OCH₃. British Journal of Haematology, 2000, 111, 1145-1152.	2.5	2
149	Analysis of Molecular Chaperone Activities Using In Vitro and In Vivo Approaches. , 2000, 99, 393-419.		20
150	Bag1 Functions In Vivo as a Negative Regulator of Hsp70 Chaperone Activity. Molecular and Cellular Biology, 2000, 20, 1083-1088.	2.3	128
151	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
152	Cycloheximide- and puromycin-induced heat resistance: different effects on cytoplasmic and nuclear luciferases. Cell Stress and Chaperones, 2000, 5, 181.	2.9	6
153	Altered association of transcriptionally active DNA with the nuclear-matrix after heat shock. International Journal of Radiation Biology, 1999, 75, 875-883.	1.8	11
154	Heat Shock Protein (Hsp) 40 Mutants Inhibit Hsp70 in Mammalian Cells. Journal of Biological Chemistry, 1999, 274, 36757-36763.	3.4	63
155	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
156	Heat shock protein 70 (Hsp70) stimulates proliferation and cytolytic activity of natural killer cells. Experimental Hematology, 1999, 27, 1627-1636.	0.4	211
157	Heat-shock-protein-27(HSP27) expression in ovarian carcinoma: Relation in response to chemotherapy and prognosis. , 1999, 84, 234-238.		99
158	Role of DNA-PK Subunits in Radiosensitization by Hyperthermia. Radiation Research, 1999, 152, 214.	1.5	27
159	In Vivo Chaperone Activity of Heat Shock Protein 70 and Thermotolerance. Molecular and Cellular Biology, 1999, 19, 2069-2079.	2.3	195
160	Nuclear matrix as a target for hyperthermic killing of cancer cells. Cell Stress and Chaperones, 1998, 3, 245.	2.9	92
161	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
162	Reduction of cellular cisplatin resistance by hyperthermiaâ€"a review. International Journal of Hyperthermia, 1997, 13, 439-457.	2.5	109

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163	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
164	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
165	Radiation induced DNA damage and damage repair in three human tumour cell lines. Mutation Research DNA Repair, 1996, 362, 51-59.	3.7	16
166	Feasibility of measuring radiation-induced DNA double strand breaks and their repair by pulsed field gel electrophoresis in freshly isolated cells from the mouse RIF-1 tumor. International Journal of Radiation Oncology Biology Physics, 1996, 36, 125-134.	0.8	6
167	Cisplatin sensitivity and thermochemosensitisation in thermotolerant cDDP-sensitive and -resistant cell lines. British Journal of Cancer, 1995, 71, 498-504.	6.4	14
168	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
169	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
170	Thermotolerance and nuclear protein aggregation: Protection against initial damage or better recovery?. Journal of Cellular Physiology, 1995, 164, 579-586.	4.1	34
171	Hyperthermia, thermotolerance and topoisomerase II inhibitors. British Journal of Cancer, 1995, 72, 333-338.	6.4	36
172	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
173	Heat-induced Intranuclear Protein Aggregation and Thermal Radiosensitization. International Journal of Radiation Biology, 1995, 67, 203-209.	1.8	27
174	Selective inhibition of repair of active genes by hyperthermia is due to inhibition of global and transcription coupled repair pathways. Carcinogenesis, 1995, 16, 743-748.	2.8	9
175	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
176	Repair of UV-induced Pyrimidine(6-4)Pyrimidone Photoproducts is Selectively Inhibited in Transcriptionally Active Genes after Heat Treatment of Human Fibroblasts. International Journal of Radiation Biology, 1995, 67, 495-499.	1.8	7
177	Cytotoxicity of Flavonoids and Sesquiterpene Lactones from<i>Arnica</i>Species Against the GLC₄and the COLO 320 Cell Lines. Planta Medica, 1994, 60, 434-437.	1.3	101
178	On the role of hsp72 in heat-induced intranuclear protein aggregation. International Journal of Hyperthermia, 1994, 10, 659-674.	2.5	42
179	Cells Overexpressing Hsp27 Show Accelerated Recovery from Heat-Induced Nuclear-Protein Aggregation. Biochemical and Biophysical Research Communications, 1994, 204, 1170-1177.	2.1	107
180	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

#	Article	IF	Citations
181	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
182	Role of membrane lipid composition in the cytotoxicity of the sesquiterpene lactone eupatoriopicrin. Phytotherapy Research, 1993, 7, 128-133.	5.8	0
183	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
184	Cytotoxicity of Artemisinin-Related Endoperoxides to Ehrlich Ascites Tumor Cells. Journal of Natural Products, 1993, 56, 849-856.	3.0	275
185	Heat-Shock Treatment Selectively Affects Induction and Repair of Cyclobutane Pyrimidine Dimers in Transcriptionally Active Genes in Ultraviolet-Irradiated Human Fibroblasts. Radiation Research, 1993, 135, 343.	1.5	10
186	Sensitizing for cis-diamminedichloroplatinum(II) action by hyperthermia in resistant cells. International Journal of Hyperthermia, 1993, 9, 553-562.	2.5	17
187	Hyperthermia, Intracellular Free Calcium and Calcium Ionophores. International Journal of Radiation Biology, 1993, 64, 459-468.	1.8	10
188	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
189	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
190	Thermal Radiosensitization in Heat- and Radiation-sensitive Mutants of CHO Cells. International Journal of Radiation Biology, 1993, 64, 225-230.	1.8	23
191	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
192	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
193	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
194	The Relationship of Increased Nuclear Protein Content Induced by Hyperthermia to Killing of HeLa S3 Cells. Radiation Research, 1989, 117, 511.	1.5	84
195	Induction of DNA damage in Ehrlich ascites tumour cells by exposure to eupatoriopicrin. Biochemical Pharmacology, 1989, 38, 2279-2283.	4.4	9
196	The Interaction of Heat and Radiation Affecting the Ability of Nuclear DNA to Undergo Supercoiling Changes. Radiation Research, 1988, 116, 114.	1.5	36
197	Heat-induced nuclear protein binding and its relation to thermal cytotoxicity. International Journal of Hyperthermia, 1987, 3, 459-465.	2.5	38
198	Strand break repair, DNA polymerase activity and heat radiosensitization in thermotolerant cells. International Journal of Hyperthermia, 1985, 1, 131-145.	2.5	40