Gabriele Multhoff

List of Publications by Year
in descending order

242 papers	16,566 citations	18465 62 h-index	18115 120 g-index
253 all docs	253 docs citations	253 times ranked	23768 citing authors

#	Article	IF	Citations
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
2	Membrane-associated Hsp72 from tumor-derived exosomes mediates STAT3-dependent immunosuppressive function of mouse and human myeloid-derived suppressor cells. Journal of Clinical Investigation, 2010, 120, 457-71.	3.9	761
3	Consensus guidelines for the detection of immunogenic cell death. OncoImmunology, 2014, 3, e955691.	2.1	686
4	Heat Shock Protein 70 Surface-Positive Tumor Exosomes Stimulate Migratory and Cytolytic Activity of Natural Killer Cells. Cancer Research, 2005, 65, 5238-5247.	0.4	589
5	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	1.6	505
6	Heat Shock Protein 70 Promotes Cell Survival by Inhibiting Lysosomal Membrane Permeabilization. Journal of Experimental Medicine, 2004, 200, 425-435.	4.2	495
7	Plasma Exosomes Protect the Myocardium From Ischemia-Reperfusion Injury. Journal of the American College of Cardiology, 2015, 65, 1525-1536.	1.2	436
8	Lipopolysaccharide and ceramide docking to CD14 provokes ligand-specific receptor clustering in rafts. European Journal of Immunology, 2001, 31, 3153-3164.	1.6	408
9	A stress-inducible 72-kDa heat-shock protein (HSP72) is expressed on the surface of human tumor cells, but not on normal cells. International Journal of Cancer, 1995, 61, 272-279.	2.3	405
10	Hsp70 Translocates into the Plasma Membrane after Stress and Is Released into the Extracellular Environment in a Membrane-Associated Form that Activates Macrophages. Journal of Immunology, 2008, 180, 4299-4307.	0.4	371
11	Chronic Inflammation in Cancer Development. Frontiers in Immunology, 2011, 2, 98.	2.2	357
12	Revisiting the Warburg effect: historical dogma <i>versus</i> current understanding. Journal of Physiology, 2021, 599, 1745-1757.	1.3	350
13	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. Frontiers in Immunology, 2015, 6, 588.	2.2	317
14	Autophagy contributes to resistance of tumor cells to ionizing radiation. Radiotherapy and Oncology, 2011, 99, 287-292.	0.3	227
15	Treatment of Colon and Lung Cancer Patients with ex Vivo Heat Shock Protein 70-Peptide-Activated, Autologous Natural Killer Cells. Clinical Cancer Research, 2004, 10, 3699-3707.	3.2	224
16	Heat shock protein 70 (Hsp70) stimulates proliferation and cytolytic activity of natural killer cells. Experimental Hematology, 1999, 27, 1627-1636.	0.2	211
17	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). European Journal of Immunology, 2021, 51, 2708-3145.	1.6	198
18	Eigenspectra optoacoustic tomography achieves quantitative blood oxygenation imaging deep in tissues. Nature Communications, 2016, 7, 12121.	5.8	195

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19	Membrane-associated stress proteins: More than simply chaperones. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1653-1664.	1.4	193
20	Targeting membrane heat-shock protein 70 (Hsp70) on tumors by cmHsp70.1 antibody. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 733-738.	3.3	191
21	Alternative Mechanism by which IFN-Î³ Enhances Tumor Recognition: Active Release of Heat Shock Protein 72. Journal of Immunology, 2005, 175, 2900-2912.	0.4	185
22	CD8+ tumour-infiltrating lymphocytes in relation to HPV status and clinical outcome in patients with head and neck cancer after postoperative chemoradiotherapy: A multicentre study of the German cancer consortium radiation oncology group (DKTK-ROG). International Journal of Cancer, 2016, 138, 171-181.	2.3	184
23	A 14-mer Hsp70 peptide stimulates natural killer (NK) cell activity. Cell Stress and Chaperones, 2001, 6, 337.	1.2	183
24	Interaction of Heat Shock Protein 70 Peptide with NK Cells Involves the NK Receptor CD94. Biological Chemistry, 2003, 384, 267-79.	1.2	176
25	Heat shock protein 70 (Hsp70): Membrane location, export and immunological relevance. Methods, 2007, 43, 229-237.	1.9	165
26	Cell Surface-bound Heat Shock Protein 70 (Hsp70) Mediates Perforin-independent Apoptosis by Specific Binding and Uptake of Granzyme B. Journal of Biological Chemistry, 2003, 278, 41173-41181.	1.6	164
27	Cell surface expression of heat shock proteins and the immune response. Cell Stress and Chaperones, 1996, 1, 167.	1.2	155
28	Radiation, Inflammation, and Immune Responses in Cancer. Frontiers in Oncology, 2012, 2, 58.	1.3	150
29	Tumor-Specific Hsp70 Plasma Membrane Localization Is Enabled by the Glycosphingolipid Gb3. PLoS ONE, 2008, 3, e1925.	1.1	141
30	Heat Shock Proteinâ€“Peptide and HSP-Based Immunotherapies for the Treatment of Cancer. Frontiers in Immunology, 2016, 7, 171.	2.2	137
31	The Cell Surface-Localized Heat Shock Protein 70 Epitope TKD Induces Migration and Cytolytic Activity Selectively in Human NK Cells. Journal of Immunology, 2004, 172, 972-980.	0.4	131
32	Hypoxia Compromises Anti-Cancer Immune Responses. Advances in Experimental Medicine and Biology, 2020, 1232, 131-143.	0.8	129
33	The Heat Shock Protein HSP70 Promotes Mouse NK Cell Activity against Tumors That Express Inducible NKG2D Ligands. Journal of Immunology, 2007, 179, 5523-5533.	0.4	128
34	Hsp70 plasma membrane expression on primary tumor biopsy material and bone marrow of leukemic patients. Cell Stress and Chaperones, 2000, 5, 438.	1.2	128
35	Fludarabine induces apoptosis, activation, and allogenicity in human endothelial and epithelial cells: protective effect of defibrotide. Blood, 2002, 100, 334-340.	0.6	125
36	Heat Shock Proteins in Cancer. Annals of the New York Academy of Sciences, 2007, 1113, 192-201.	1.8	124

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37	Definition of extracellular localized epitopes of Hsp70 involved in an NK immune response. Cell Stress and Chaperones, 1998, 3, 6.	1.2	120
38	Novel Approaches to Improve the Efficacy of Immuno-Radiotherapy. Frontiers in Oncology, 2019, 9, 156.	1.3	119
39	Contribution of the immune system to bystander and non-targeted effects of ionizing radiation. Cancer Letters, 2015, 356, 105-113.	3.2	113
40	Hypoxia-/HIF-1Î±-Driven Factors of the Tumor Microenvironment Impeding Antitumor Immune Responses and Promoting Malignant Progression. Advances in Experimental Medicine and Biology, 2018, 1072, 171-175.	0.8	113
41	Heat shock protein 70-reactivity is associated with increased cell surface density of CD94/CD56 on primary natural killer cells. Cell Stress and Chaperones, 2003, 8, 348.	1.2	102
42	Immunostimulatory functions of membrane-bound and exported heat shock protein 70. Exercise Immunology Review, 2005, 11, 17-33.	0.4	100
43	Binding of heat shock protein 70 to extracellular phosphatidylserine promotes killing of normoxic and hypoxic tumor cells. FASEB Journal, 2009, 23, 2467-2477.	0.2	95
44	The role of heat shock protein 70 (Hsp70) in radiation-induced immunomodulation. Cancer Letters, 2015, 368, 179-184.	3.2	94
45	Patient survival by Hsp70 membrane phenotype. Cancer, 2007, 110, 926-935.	2.0	91
46	The PD-1/PD-L1 axis and human papilloma virus in patients with head and neck cancer after adjuvant chemoradiotherapy: A multicentre study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). International Journal of Cancer, 2017, 141, 594-603.	2.3	91
47	Radiation combined with hyperthermia induces HSP70-dependent maturation of dendritic cells and release of pro-inflammatory cytokines by dendritic cells and macrophages. Radiotherapy and Oncology, 2011, 101, 109-115.	0.3	89
48	The Effects of Ultra-High Dose Rate Proton Irradiation on Growth Delay in the Treatment of Human Tumor Xenografts in Nude Mice. Radiation Research, 2014, 181, 177-183.	0.7	87
49	Heat Shock Protein 70 (Hsp70) Peptide Activated Natural Killer (NK) Cells for the Treatment of Patients with Non-Small Cell Lung Cancer (NSCLC) after Radiochemotherapy (RCTx) â€" From Preclinical Studies to a Clinical Phase II Trial. Frontiers in Immunology, 2015, 6, 162.	2.2	87
50	Activation of natural killer cells by heat shock protein 70. International Journal of Hyperthermia, 2009, 25, 169-175.	1.1	86
51	Integrative Proteomics and Targeted Transcriptomics Analyses in Cardiac Endothelial Cells Unravel Mechanisms of Long-Term Radiation-Induced Vascular Dysfunction. Journal of Proteome Research, 2015, 14, 1203-1219.	1.8	86
52	Plasmodium falciparum-Infected Erythrocytes Induce Granzyme B by NK Cells through Expression of Host-Hsp70. PLoS ONE, 2012, 7, e33774.	1.1	84
53	Proton Minibeam Radiation Therapy Reduces Side Effects in an InÂVivo Mouse Ear Model. International Journal of Radiation Oncology Biology Physics, 2016, 95, 234-241.	0.4	82
54	Peripheral Blood Mononuclear Cells Induce Programmed Cell Death in Human Endothelial Cells and May Prevent Repair: Role of Cytokines. Blood, 1997, 89, 1931-1938.	0.6	79

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55	Interleukin-33 acts as a pro-inflammatory cytokine and modulates its receptor gene expression in highly metastatic human pancreatic carcinoma cells. Cytokine, 2012, 60, 514-521.	1.4	71
56	Distinguishing integral and receptor-bound heat shock protein 70 (Hsp70) on the cell surface by Hsp70-specific antibodies. Cell Stress and Chaperones, 2011, 16, 251-255.	1.2	69
57	Extracellular Hsp90 (eHsp90) as the Actual Target in Clinical Trials. International Review of Cell and Molecular Biology, 2013, 303, 203-235.	1.6	68
58	Correlation of Hsp70 Serum Levels with Gross Tumor Volume and Composition of Lymphocyte Subpopulations in Patients with Squamous Cell and Adeno Non-Small Cell Lung Cancer. Frontiers in Immunology, 2015, 6, 556.	2.2	67
59	Membrane heat shock protein 70: a theranostic target for cancer therapy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160526.	1.8	67
60	Hsp70 interactions with membrane lipids regulate cellular functions in health and disease. Progress in Lipid Research, 2019, 74, 18-30.	5.3	67
61	70-kDa heat shock protein coated magnetic nanocarriers as a nanovaccine for induction of anti-tumor immune response in experimental glioma. Journal of Controlled Release, 2015, 220, 329-340.	4.8	66
62	Targeting experimental orthotopic glioblastoma with chitosan-based superparamagnetic iron oxide nanoparticles (CS-DX-SPIONs). International Journal of Nanomedicine, 2018, Volume 13, 1471-1482.	3.3	65
63	HLA and narcolepsy in a German population. Tissue Antigens, 1986, 28, 163-169.	1.0	63
64	Kill and spread the word: stimulation of antitumor immune responses in the context of radiotherapy. Immunotherapy, 2014, 6, 597-610.	1.0	63
65	Reduced side effects by proton microchannel radiotherapy: study in a human skin model. Radiation and Environmental Biophysics, 2013, 52, 123-133.	0.6	62
66	Differential Up-Regulation of Cytosolic and Membrane-Bound Heat Shock Protein 70 in Tumor Cells by Anti-Inflammatory Drugs. Clinical Cancer Research, 2004, 10, 3354-3364.	3.2	61
67	Heat Shock Protein 70 Serum Levels Differ Significantly in Patients with Chronic Hepatitis, Liver Cirrhosis, and Hepatocellular Carcinoma. Frontiers in Immunology, 2014, 5, 307.	2.2	60
68	Ionizing radiation improves glioma-specific targeting of superparamagnetic iron oxide nanoparticles conjugated with cmHsp70.1 monoclonal antibodies (SPIONâ€“cmHsp70.1). Nanoscale, 2015, 7, 20652-20664.	2.8	58
69	Heat shock protein 70 membrane expression and melanoma-associated marker phenotype in primary and metastatic melanoma. Melanoma Research, 2003, 13, 147-152.	0.6	57
70	Accomplices of the Hypoxic Tumor Microenvironment Compromising Antitumor Immunity: Adenosine, Lactate, Acidosis, Vascular Endothelial Growth Factor, Potassium Ions, and Phosphatidylserine. Frontiers in Immunology, 2017, 8, 1887.	2.2	57
71	Control of Metastasized Pancreatic Carcinomas in SCID/Beige Mice with Human IL-2/TKD-Activated NK Cells. Journal of Immunology, 2006, 176, 6270-6276.	0.4	56
72	PPAR Alpha: A Novel Radiation Target in Locally Exposed <i>Mus musculus</i> Heart Revealed by Quantitative Proteomics. Journal of Proteome Research, 2013, 12, 2700-2714.	1.8	56

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73	Membrane-bound heat shock protein 70 (Hsp70) in acute myeloid leukemia: a tumor specific recognition structure for the cytolytic activity of autologous NK cells. Haematologica, 2003, 88, 474-6.	1.7	55
74	The MICA-129Met/Val dimorphism affects plasma membrane expression and shedding of the NKG2D ligand MICA. Immunogenetics, 2016, 68, 109-123.	1.2	53
75	The atheroprotective properties of Hsp70: a role for Hsp70-endothelial interactions?. Cell Stress and Chaperones, 2009, 14, 545-553.	1.2	52
76	NK cell-based therapeutics for lung cancer. Expert Opinion on Biological Therapy, 2020, 20, 23-33.	1.4	52
77	Differential Hsp70 plasma-membrane expression on primary human tumors and metastases in mice with severe combined immunodeficiency. , 1998, 77, 942-948.		51
78	Heat shock protein 70 (Hsp70) membrane expression on head-and-neck cancer biopsyâ€"a target for natural killer (NK) cells. International Journal of Radiation Oncology Biology Physics, 2003, 57, 820-826.	0.4	51
79	Fatal Alliance of Hypoxia-/HIF-1Î±-Driven Microenvironmental Traits Promoting Cancer Progression. Advances in Experimental Medicine and Biology, 2020, 1232, 169-176.	0.8	51
80	Effects of Antineoplastic Agents on Cytoplasmic and Membrane-Bound Heat Shock Protein 70 (Hsp70) Levels. Biological Chemistry, 2002, 383, 1715-25.	1.2	50
81	Hsp70 - a biomarker for tumor detection and monitoring of outcome of radiation therapy in patients with squamous cell carcinoma of the head and neck. Radiation Oncology, 2014, 9, 131.	1.2	50
82	Heat shock protein 70 and tumorâ€infiltrating NK cells as prognostic indicators for patients with squamous cell carcinoma of the head and neck after radiochemotherapy: A multicentre retrospective study of the German Cancer Consortium Radiation Oncology Group (DKTKâ€ROG). International Journal of Cancer, 2018, 142, 1911-1925.	2.3	50
83	The therapeutic implications of clinically applied modifiers of heat shock protein 70 (Hsp70) expression by tumor cells. Cell Stress and Chaperones, 2008, 13, 1-10.	1.2	49
84	Targeting by cmHsp70.1-antibody coated and survivin miRNA plasmid loaded nanoparticles to radiosensitize glioblastoma cells. Journal of Controlled Release, 2013, 172, 201-206.	4.8	49
85	Role of membrane Hsp70 in radiation sensitivity of tumor cells. Radiation Oncology, 2015, 10, 149.	1.2	49
86	Sensitizing tumor cells to radiation by targeting the heat shock response. Cancer Letters, 2015, 360, 294-301.	3.2	48
87	Ex vivo Hsp70-Activated NK Cells in Combination With PD-1 Inhibition Significantly Increase Overall Survival in Preclinical Models of Glioblastoma and Lung Cancer. Frontiers in Immunology, 2019, 10, 454.	2.2	48
88	The role of recent nanotechnology in enhancing the efficacy of radiation therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2015, 1856, 130-143.	3.3	46
89	Live cell imaging of mitochondria following targeted irradiation in situ reveals rapid and highly localized loss of membrane potential. Scientific Reports, 2017, 7, 46684.	1.6	46
90	Membrane-Associated Heat Shock Proteins in Oncology: From Basic Research to New Theranostic Targets. Cells, 2020, 9, 1263.	1.8	46

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91	Adoptive transfer of human natural killer cells in mice with severe combined immunodeficiency inhibits growth of Hsp70-expressing tumors. International Journal of Cancer, 2000, 88, 791-797.	2.3	44
92	Inhibition of tumor growth in mice with severe combined immunodeficiency is mediated by heat shock protein 70 (Hsp70)-peptideâ€"activated, CD94 positive natural killer cells. Cell Stress and Chaperones, 2002, 7, 365.	1.2	44
93	Noncytotoxic alkyl-lysophospholipid treatment increases sensitivity of leukemic K562 cells to lysis by natural killer (NK) cells. , 1996, 65, 633-638.		43
94	Influence of Hsp70 and HLA-E on the killing of leukemic blasts by cytokine/Hsp70 peptide-activated human natural killer (NK) cells. Cell Stress and Chaperones, 2008, 13, 221-230.	1.2	43
95	Critical Role of Aberrant Angiogenesis in the Development of Tumor Hypoxia and Associated Radioresistance. Cancers, 2014, 6, 813-828.	1.7	43
96	Combination of Anti-Cancer Drugs with Molecular Chaperone Inhibitors. International Journal of Molecular Sciences, 2019, 20, 5284.	1.8	43
97	In vivo imaging of CT26 mouse tumours by using cmHsp70.1 monoclonal antibody. Journal of Cellular and Molecular Medicine, 2011, 15, 874-887.	1.6	42
98	Late proliferating and inflammatory effects on murine microvascular heart and lung endothelial cells after irradiation. Radiotherapy and Oncology, 2015, 117, 376-381.	0.3	42
99	Targeted Natural Killer Cellâ€"Based Adoptive Immunotherapy for the Treatment of Patients with NSCLC after Radiochemotherapy: A Randomized Phase II Clinical Trial. Clinical Cancer Research, 2020, 26, 5368-5379.	3.2	42
100	Cell Stress Proteins in Extracellular Fluids: Friend or Foe?. Novartis Foundation Symposium, 2008, 291, 86-100.	1.2	40
101	Exercise-induced extracellular 72ÂkDa heat shock protein (Hsp72) stimulates neutrophil phagocytic and fungicidal capacities via TLR-2. European Journal of Applied Physiology, 2010, 108, 217-225.	1.2	40
102	Increased heat shock protein 70 (Hsp70) serum levels and low NK cell counts after radiotherapy â€" potential markers for predicting breast cancer recurrence?. Radiation Oncology, 2019, 14, 78.	1.2	40
103	Granzyme B Functionalized Nanoparticles Targeting Membrane Hsp70â€Positive Tumors for Multimodal Cancer Theranostics. Small, 2019, 15, 1900205.	5.2	40
104	Heat-Shock Proteins and the Immune Response. Annals of the New York Academy of Sciences, 1998, 851, 86-93.	1.8	39
105	Validation of Heat Shock Protein 70 as a Tumor-Specific Biomarker for Monitoring the Outcome of Radiation Therapy in Tumor Mouse Models. International Journal of Radiation Oncology Biology Physics, 2014, 88, 694-700.	0.4	39
106	Immunological and Translational Aspects of NK Cell-Based Antitumor Immunotherapies. Frontiers in Immunology, 2016, 7, 492.	2.2	39
107	Extracellular cell stress proteins as biomarkers of human disease. Biochemical Society Transactions, 2014, 42, 1744-1751.	1.6	37
108	The endogenous danger signals HSP70 and MICA cooperate in the activation of cytotoxic effector functions of NK cells. Journal of Cellular and Molecular Medicine, 2010, 14, 992-1002.	1.6	36

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109	Adenosine kann Strahlentherapie-vermittelte Immunantworten gegen Tumore konterkarieren. Strahlentherapie Und Onkologie, 2016, 192, 279-287.	1.0	36
110	Detection of irradiation-induced, membrane heat shock protein 70 (Hsp70) in mouse tumors using Hsp70 Fab fragment. Radiotherapy and Oncology, 2011, 99, 313-316.	0.3	35
111	Comparative analysis of the effects of radiotherapy versus radiotherapy after adjuvant chemotherapy on the composition of lymphocyte subpopulations in breast cancer patients. Radiotherapy and Oncology, 2016, 118, 176-180.	0.3	35
112	Dynamics of Heat Shock Protein 70 Serum Levels As a Predictor of Clinical Response in Non-Small-Cell Lung Cancer and Correlation with the Hypoxia-Related Marker Osteopontin. Frontiers in Immunology, 2017, 8, 1305.	2.2	35
113	<i>CXCR4</i> Is a Potential Target for Diagnostic PET/CT Imaging in Barrett's Dysplasia and Esophageal Adenocarcinoma. Clinical Cancer Research, 2018, 24, 1048-1061.	3.2	34
114	Differences in Phosphorylated Histone H2AX Foci Formation and Removal of Cells Exposed to Low and High Linear Energy Transfer Radiation. Current Genomics, 2012, 13, 418-425.	0.7	32
115	Preclinical Evaluation of the Hsp70 Peptide Tracer TPP-PEG24-DFO[89Zr] for Tumor-Specific PET/CT Imaging. Cancer Research, 2018, 78, 6268-6281.	0.4	32
116	Radiochemotherapy combined with NK cell transfer followed by second-line PD-1 inhibition in aÂpatient with NSCLC stage IIIb inducing long-term tumor control: aÂcase study. Strahlentherapie Und Onkologie, 2019, 195, 352-361.	1.0	32
117	EGCG downregulates IL-1RI expression and suppresses IL-1-induced tumorigenic factors in human pancreatic adenocarcinoma cells. Biochemical Pharmacology, 2011, 82, 1153-1162.	2.0	31
118	Tumor Imaging and Targeting Potential of an Hsp70-Derived 14-Mer Peptide. PLoS ONE, 2014, 9, e105344.	1.1	29
119	Overexpression of cytosolic, plasma membrane bound and extracellular heat shock protein 70 (Hsp70) in primary glioblastomas. Journal of Neuro-Oncology, 2017, 135, 443-452.	1.4	29
120	Immunotherapeutic Targeting of Membrane Hsp70-Expressing Tumors Using Recombinant Human Granzyme B. PLoS ONE, 2012, 7, e41341.	1.1	29
121	Anti-tumor activity of patient-derived NK cells after cell-based immunotherapy â€“ a case report. Journal of Translational Medicine, 2009, 7, 50.	1.8	28
122	Selective<i>In Vivo</i>Imaging of Syngeneic, Spontaneous, and Xenograft Tumors Using a Novel Tumor Cellâ€“Specific Hsp70 Peptide-Based Probe. Cancer Research, 2014, 74, 6903-6912.	0.4	28
123	Radiation-induced changes in microcirculation and interstitial fluid pressure affecting the delivery of macromolecules and nanotherapeutics to tumors. Frontiers in Oncology, 2012, 2, 165.	1.3	27
124	Immune Cell Phenotyping Using Flow Cytometry. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2015, 66, 18.8.1-18.8.34.	1.1	27
125	AMPK-independent autophagy promotes radioresistance of human tumor cells under clinical relevant hypoxia in vitro. Radiotherapy and Oncology, 2015, 116, 409-416.	0.3	27
126	Recent Developments of Magnetic Nanoparticles for Theranostics of Brain Tumor. Current Drug Metabolism, 2016, 17, 737-744.	0.7	27

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127	Synergistic effects of heat and ET-18-OCH3 on membrane expression of hsp70 and lysis of leukemic K562 cells. Experimental Hematology, 1999, 27, 470-478.	0.2	26
128	(â^')-Epigallocatechin-3-gallate, a green tea-derived catechin, synergizes with celecoxib to inhibit IL-1-induced tumorigenic mediators by human pancreatic adenocarcinoma cells Colo357. European Journal of Pharmacology, 2012, 684, 36-43.	1.7	26
129	The Hsp70 inhibiting peptide aptamer A17 potentiates radiosensitization of tumor cells by Hsp90 inhibition. Cancer Letters, 2017, 390, 146-152.	3.2	26
130	Radiosensitization of Normoxic and Hypoxic H1339 Lung Tumor Cells by Heat Shock Protein 90 Inhibition Is Independent of Hypoxia Inducible Factor-1Î±. PLoS ONE, 2012, 7, e31110.	1.1	26
131	Tumour infiltrating host cells and their significance for hyperthermia. International Journal of Hyperthermia, 2010, 26, 247-255.	1.1	25
132	A hypoxia-induced decrease of either MICA/B or Hsp70 on the membrane of tumor cells mediates immune escape from NK cells. Cell Stress and Chaperones, 2015, 20, 139-147.	1.2	25
133	Effects of definitive and salvage radiotherapy on the distribution of lymphocyte subpopulations in prostate cancer patients. Strahlentherapie Und Onkologie, 2017, 193, 648-655.	1.0	25
134	A novel HSP90 inhibitor with reduced hepatotoxicity synergizes with radiotherapy to induce apoptosis, abrogate clonogenic survival, and improve tumor control in models of colorectal cancer. Oncotarget, 2016, 7, 43199-43219.	0.8	24
135	Improved Overall Survival of Mice by Reducing Lung Side Effects After High-Precision Heart Irradiation Using a Small Animal Radiation Research Platform. International Journal of Radiation Oncology Biology Physics, 2018, 101, 671-679.	0.4	24
136	Gold Nanoparticle Mediated Multi-Modal CT Imaging of Hsp70 Membrane-Positive Tumors. Cancers, 2020, 12, 1331.	1.7	24
137	A novel expression and purification system for the production of enzymatic and biologically active human granzyme B. Journal of Immunological Methods, 2011, 371, 8-17.	0.6	23
138	CXCL9 inhibits tumour growth and drives anti-PD-L1 therapy in ovarian cancer. British Journal of Cancer, 2022, 126, 1470-1480.	2.9	23
139	An Hsp70 peptide initiates NK cell killing of leukemic blasts after stem cell transplantation. Leukemia Research, 2008, 32, 527-534.	0.4	22
140	Bacterial production and functional characterization of the Fab fragment of the murine IgG1/Â monoclonal antibody cmHsp70.1, a reagent for tumour diagnostics. Protein Engineering, Design and Selection, 2010, 23, 161-168.	1.0	22
141	Imaging of Hsp70-positive tumors with cmHsp70.1 antibody-conjugated gold nanoparticles. International Journal of Nanomedicine, 2015, 10, 5687.	3.3	22
142	Stress Response Leading to Resistance in Glioblastomaâ€"The Need for Innovative Radiotherapy (iRT) Concepts. Cancers, 2016, 8, 15.	1.7	22
143	Detection of experimental myocardium infarction in rats by MRI using heat shock protein 70 conjugated superparamagnetic iron oxide nanoparticle. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 611-621.	1.7	22
144	Membrane Hsp70â€"A Novel Target for the Isolation of Circulating Tumor Cells After Epithelial-to-Mesenchymal Transition. Frontiers in Oncology, 2018, 8, 497.	1.3	22

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145	Membrane Hsp70-supported cell-to-cell connections via tunneling nanotubes revealed by live-cell STED nanoscopy. Cell Stress and Chaperones, 2019, 24, 213-221.	1.2	22
146	Ifosfamide induced depletion of glutathione in human peripheral blood lymphocytes and protection by mesna. Anti-Cancer Drugs, 1994, 5, 403-409.	0.7	21
147	NZ28-induced inhibition of HSF1, SP1 and NF-ÎºB triggers the loss of the natural killer cell-activating ligands MICA/B on human tumor cells. Cancer Immunology, Immunotherapy, 2015, 64, 599-608.	2.0	21
148	External Beam Radiation Therapy Enhances Mesenchymal Stem Cellâ€"Mediated Sodiumâ€"Iodide Symporter Gene Delivery. Human Gene Therapy, 2018, 29, 1287-1300.	1.4	21
149	Non-targeted effects of photon and particle irradiation and the interaction with the immune system. Frontiers in Oncology, 2012, 2, 80.	1.3	20
150	Adhesion Molecule Expression and Function of Primary Endothelial Cells in Benign and Malignant Tissues Correlates with Proliferation. PLoS ONE, 2014, 9, e91808.	1.1	20
151	Molecular AFM imaging of Hsp70-1A association with dipalmitoyl phosphatidylserine reveals membrane blebbing in the presence of cholesterol. Cell Stress and Chaperones, 2018, 23, 673-683.	1.2	20
152	Silencing <i>hsp25</i>/<i>hsp27</i> Gene Expression Augments Proteasome Activity and Increases CD8+ T-Cellâ€"Mediated Tumor Killing and Memory Responses. Cancer Prevention Research, 2012, 5, 122-137.	0.7	19
153	Intravital optoacoustic and ultrasound bio-microscopy reveal radiation-inhibited skull angiogenesis. Bone, 2020, 133, 115251.	1.4	19
154	Deep abscopal response to radiotherapy and anti-PD-1 in an oligometastatic melanoma patient with unfavorable pretreatment immune signature. Cancer Immunology, Immunotherapy, 2020, 69, 1823-1832.	2.0	19
155	Recent Advances in Gold Nanoformulations for Cancer Therapy. Current Drug Metabolism, 2018, 19, 768-780.	0.7	19
156	Selection of an Anticalin^{Â®} against the membrane form of Hsp70 via bacterial surface display and its theranostic application in tumour models. Biological Chemistry, 2018, 399, 235-252.	1.2	18
157	Serum heat shock protein 70 levels as a biomarker for inflammatory processes in multiple sclerosis. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2018, 4, 205521731876719.	0.5	18
158	Radiation-Induced Amplification of TGFB1-Induced Mesenchymal Stem Cellâ€"Mediated Sodium Iodide Symporter (<i>NIS</i>) Gene 131I Therapy. Clinical Cancer Research, 2019, 25, 5997-6008.	3.2	18
159	Irradiation-Induced Up-Regulation of HLA-E on Macrovascular Endothelial Cells Confers Protection against Killing by Activated Natural Killer Cells. PLoS ONE, 2010, 5, e15339.	1.1	18
160	PPARÎ± Is Necessary for Radiation-Induced Activation of Noncanonical TGFÎ² Signaling in the Heart. Journal of Proteome Research, 2018, 17, 1677-1689.	1.8	17
161	Targeting Cancer Metabolism Breaks Radioresistance by Impairing the Stress Response. Cancers, 2021, 13, 3762.	1.7	17
162	Hsp70 in Liquid Biopsiesâ€"A Tumor-Specific Biomarker for Detection and Response Monitoring in Cancer. Cancers, 2021, 13, 3706.	1.7	17

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