

Gabriele Multhoff

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3648492/gabriele-multhoff-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225
papers

12,646
citations

55
h-index

107
g-index

253
ext. papers

14,690
ext. citations

5.3
avg, IF

6.54
L-index

#	Paper	IF	Citations
225	Membrane-associated Hsp72 from tumor-derived exosomes mediates STAT3-dependent immunosuppressive function of mouse and human myeloid-derived suppressor cells. <i>Journal of Clinical Investigation</i> , 2010 , 120, 457-71	15.9	651
224	Consensus guidelines for the detection of immunogenic cell death. <i>OncoImmunology</i> , 2014 , 3, e955691	7.2	524
223	Heat shock protein 70 surface-positive tumor exosomes stimulate migratory and cytolytic activity of natural killer cells. <i>Cancer Research</i> , 2005 , 65, 5238-47	10.1	521
222	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485
221	Heat shock protein 70 promotes cell survival by inhibiting lysosomal membrane permeabilization. <i>Journal of Experimental Medicine</i> , 2004 , 200, 425-35	16.6	451
220	Lipopolysaccharide and ceramide docking to CD14 provokes ligand-specific receptor clustering in rafts. <i>European Journal of Immunology</i> , 2001 , 31, 3153-64	6.1	384
219	A stress-inducible 72-kDa heat-shock protein (HSP72) is expressed on the surface of human tumor cells, but not on normal cells. <i>International Journal of Cancer</i> , 1995 , 61, 272-9	7.5	363
218	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359
217	Plasma exosomes protect the myocardium from ischemia-reperfusion injury. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1525-36	15.1	323
216	Hsp70 translocates into the plasma membrane after stress and is released into the extracellular environment in a membrane-associated form that activates macrophages. <i>Journal of Immunology</i> , 2008 , 180, 4299-307	5.3	318
215	Chronic inflammation in cancer development. <i>Frontiers in Immunology</i> , 2011 , 2, 98	8.4	242
214	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015 , 6, 588	8.4	239
213	Heat shock protein 70 (Hsp70) stimulates proliferation and cytolytic activity of natural killer cells. <i>Experimental Hematology</i> , 1999 , 27, 1627-36	3.1	198
212	Treatment of colon and lung cancer patients with ex vivo heat shock protein 70-peptide-activated, autologous natural killer cells: a clinical phase i trial. <i>Clinical Cancer Research</i> , 2004 , 10, 3699-707	12.9	187
211	Autophagy contributes to resistance of tumor cells to ionizing radiation. <i>Radiotherapy and Oncology</i> , 2011 , 99, 287-92	5.3	186
210	Alternative mechanism by which IFN-gamma enhances tumor recognition: active release of heat shock protein 72. <i>Journal of Immunology</i> , 2005 , 175, 2900-12	5.3	169
209	Membrane-associated stress proteins: more than simply chaperones. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1653-64	3.8	159

208	Interaction of heat shock protein 70 peptide with NK cells involves the NK receptor CD94. <i>Biological Chemistry</i> , 2003 , 384, 267-79	4.5	159
207	A 14-mer Hsp70 peptide stimulates natural killer (NK) cell activity. <i>Cell Stress and Chaperones</i> , 2001 , 6, 337-44	4	156
206	Targeting membrane heat-shock protein 70 (Hsp70) on tumors by cmHsp70.1 antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 733-8	11.5	154
205	Eigenspectra optoacoustic tomography achieves quantitative blood oxygenation imaging deep in tissues. <i>Nature Communications</i> , 2016 , 7, 12121	17.4	151
204	Cell surface-bound heat shock protein 70 (Hsp70) mediates perforin-independent apoptosis by specific binding and uptake of granzyme B. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41173-81	5.4	143
203	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). <i>International Journal of Cancer</i> , 2016 , 138, 171-81	7.5	137
202	Cell surface expression of heat shock proteins and the immune response. <i>Cell Stress and Chaperones</i> , 1996 , 1, 167-76	4	133
201	Heat shock protein 70 (Hsp70): membrane location, export and immunological relevance. <i>Methods</i> , 2007 , 43, 229-37	4.6	130
200	Radiation, inflammation, and immune responses in cancer. <i>Frontiers in Oncology</i> , 2012 , 2, 58	5.3	125
199	The cell surface-localized heat shock protein 70 epitope TKD induces migration and cytolytic activity selectively in human NK cells. <i>Journal of Immunology</i> , 2004 , 172, 972-80	5.3	122
198	Tumor-specific Hsp70 plasma membrane localization is enabled by the glycosphingolipid Gb3. <i>PLoS ONE</i> , 2008 , 3, e1925	3.7	118
197	Fludarabine induces apoptosis, activation, and allogenicity in human endothelial and epithelial cells: protective effect of defibrotide. <i>Blood</i> , 2002 , 100, 334-40	2.2	116
196	Hsp70 plasma membrane expression on primary tumor biopsy material and bone marrow of leukemic patients. <i>Cell Stress and Chaperones</i> , 2000 , 5, 438-42	4	114
195	The heat shock protein HSP70 promotes mouse NK cell activity against tumors that express inducible NKG2D ligands. <i>Journal of Immunology</i> , 2007 , 179, 5523-33	5.3	111
194	Heat shock proteins in cancer. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1113, 192-201	6.5	108
193	Definition of extracellular localized epitopes of Hsp70 involved in an NK immune response. <i>Cell Stress and Chaperones</i> , 1998 , 3, 6-11	4	105
192	Immunostimulatory functions of membrane-bound and exported heat shock protein 70. <i>Exercise Immunology Review</i> , 2005 , 11, 17-33	8.6	99
191	Contribution of the immune system to bystander and non-targeted effects of ionizing radiation. <i>Cancer Letters</i> , 2015 , 356, 105-13	9.9	97

190	Heat Shock Protein-Peptide and HSP-Based Immunotherapies for the Treatment of Cancer. <i>Frontiers in Immunology</i> , 2016 , 7, 171	8.4	95
189	Heat shock protein 70-reactivity is associated with increased cell surface density of CD94/CD56 on primary natural killer cells. <i>Cell Stress and Chaperones</i> , 2003 , 8, 348-60	4	94
188	Revisiting the Warburg effect: historical dogma versus current understanding. <i>Journal of Physiology</i> , 2021 , 599, 1745-1757	3.9	88
187	Binding of heat shock protein 70 to extracellular phosphatidylserine promotes killing of normoxic and hypoxic tumor cells. <i>FASEB Journal</i> , 2009 , 23, 2467-77	0.9	86
186	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) - From Preclinical Studies to a Clinical Phase II Trial. <i>Frontiers in Immunology</i> , 2015 , 6, 162	8.4	74
185	Peripheral Blood Mononuclear Cells Induce Programmed Cell Death in Human Endothelial Cells and May Prevent Repair: Role of Cytokines. <i>Blood</i> , 1997 , 89, 1931-1938	2.2	74
184	Radiation combined with hyperthermia induces HSP70-dependent maturation of dendritic cells and release of pro-inflammatory cytokines by dendritic cells and macrophages. <i>Radiotherapy and Oncology</i> , 2011 , 101, 109-15	5.3	73
183	Patient survival by Hsp70 membrane phenotype: association with different routes of metastasis. <i>Cancer</i> , 2007 , 110, 926-35	6.4	72
182	The role of heat shock protein 70 (Hsp70) in radiation-induced immunomodulation. <i>Cancer Letters</i> , 2015 , 368, 179-84	9.9	69
181	Integrative proteomics and targeted transcriptomics analyses in cardiac endothelial cells unravel mechanisms of long-term radiation-induced vascular dysfunction. <i>Journal of Proteome Research</i> , 2015 , 14, 1203-19	5.6	68
180	Novel Approaches to Improve the Efficacy of Immuno-Radiotherapy. <i>Frontiers in Oncology</i> , 2019 , 9, 156	5.3	67
179	Plasmodium falciparum-infected erythrocytes induce granzyme B by NK cells through expression of host-Hsp70. <i>PLoS ONE</i> , 2012 , 7, e33774	3.7	65
178	The effects of ultra-high dose rate proton irradiation on growth delay in the treatment of human tumor xenografts in nude mice. <i>Radiation Research</i> , 2014 , 181, 177-83	3.1	63
177	Hypoxia Compromises Anti-Cancer Immune Responses. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1232, 131-143	3.6	63
176	Hypoxia-/HIF-1 β -Driven Factors of the Tumor Microenvironment Impeding Antitumor Immune Responses and Promoting Malignant Progression. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1072, 171-175	3.6	61
175	Interleukin-33 acts as a pro-inflammatory cytokine and modulates its receptor gene expression in highly metastatic human pancreatic carcinoma cells. <i>Cytokine</i> , 2012 , 60, 514-21	4	59
174	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). <i>International Journal of Cancer</i> , 2017 , 141, 594-603	7.5	57
173	Distinguishing integral and receptor-bound heat shock protein 70 (Hsp70) on the cell surface by Hsp70-specific antibodies. <i>Cell Stress and Chaperones</i> , 2011 , 16, 251-5	4	57

172	Differential up-regulation of cytosolic and membrane-bound heat shock protein 70 in tumor cells by anti-inflammatory drugs. <i>Clinical Cancer Research</i> , 2004 , 10, 3354-64	12.9	57
171	Heat shock protein 70 membrane expression and melanoma-associated marker phenotype in primary and metastatic melanoma. <i>Melanoma Research</i> , 2003 , 13, 147-52	3.3	55
170	70-kDa heat shock protein coated magnetic nanocarriers as a nanovaccine for induction of anti-tumor immune response in experimental glioma. <i>Journal of Controlled Release</i> , 2015 , 220, 329-340	11.7	54
169	Proton Minibeam Radiation Therapy Reduces Side Effects in an In Vivo Mouse Ear Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 95, 234-241	4	52
168	Membrane-bound heat shock protein 70 (Hsp70) in acute myeloid leukemia: a tumor specific recognition structure for the cytolytic activity of autologous NK cells. <i>Haematologica</i> , 2003 , 88, 474-6	6.6	52
167	Kill and spread the word: stimulation of antitumor immune responses in the context of radiotherapy. <i>Immunotherapy</i> , 2014 , 6, 597-610	3.8	51
166	Extracellular Hsp90 (eHsp90) as the actual target in clinical trials: intentionally or unintentionally. <i>International Review of Cell and Molecular Biology</i> , 2013 , 303, 203-35	6	50
165	Membrane heat shock protein 70: a theranostic target for cancer therapy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	50
164	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. <i>Frontiers in Immunology</i> , 2015 , 6, 556	8.4	48
163	Ionizing radiation improves glioma-specific targeting of superparamagnetic iron oxide nanoparticles conjugated with cmHsp70.1 monoclonal antibodies (SPION-cmHsp70.1). <i>Nanoscale</i> , 2015 , 7, 20652-64	7.7	47
162	HLA and narcolepsy in a German population. <i>Tissue Antigens</i> , 1986 , 28, 163-9		47
161	Control of metastasized pancreatic carcinomas in SCID/beige mice with human IL-2/TKD-activated NK cells. <i>Journal of Immunology</i> , 2006 , 176, 6270-6	5.3	47
160	Hsp70 interactions with membrane lipids regulate cellular functions in health and disease. <i>Progress in Lipid Research</i> , 2019 , 74, 18-30	14.3	45
159	Targeting experimental orthotopic glioblastoma with chitosan-based superparamagnetic iron oxide nanoparticles (CS-DX-SPIONs). <i>International Journal of Nanomedicine</i> , 2018 , 13, 1471-1482	7.3	44
158	Heat shock protein 70 serum levels differ significantly in patients with chronic hepatitis, liver cirrhosis, and hepatocellular carcinoma. <i>Frontiers in Immunology</i> , 2014 , 5, 307	8.4	44
157	The atheroprotective properties of Hsp70: a role for Hsp70-endothelial interactions?. <i>Cell Stress and Chaperones</i> , 2009 , 14, 545-53	4	44
156	Heat shock protein 70 (Hsp70) membrane expression on head-and-neck cancer biopsy-a target for natural killer (NK) cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 57, 820-6	4	44
155	Effects of antineoplastic agents on cytoplasmic and membrane-bound heat shock protein 70 (Hsp70) levels. <i>Biological Chemistry</i> , 2002 , 383, 1715-25	4.5	43

154	Targeting by cmHsp70.1-antibody coated and survivin miRNA plasmid loaded nanoparticles to radiosensitize glioblastoma cells. <i>Journal of Controlled Release</i> , 2013 , 172, 201-206	11.7	42
153	PPAR alpha: a novel radiation target in locally exposed Mus musculus heart revealed by quantitative proteomics. <i>Journal of Proteome Research</i> , 2013 , 12, 2700-14	5.6	42
152	Activation of natural killer cells by heat shock protein 70. 2002. <i>International Journal of Hyperthermia</i> , 2009 , 25, 169-75	3.7	42
151	Hsp70--a biomarker for tumor detection and monitoring of outcome of radiation therapy in patients with squamous cell carcinoma of the head and neck. <i>Radiation Oncology</i> , 2014 , 9, 131	4.2	41
150	Inhibition of tumor growth in mice with severe combined immunodeficiency is mediated by heat shock protein 70 (Hsp70)-peptide-activated, CD94 positive natural killer cells. <i>Cell Stress and Chaperones</i> , 2002 , 7, 365-73	4	41
149	The MICA-129Met/Val dimorphism affects plasma membrane expression and shedding of the NKG2D ligand MICA. <i>Immunogenetics</i> , 2016 , 68, 109-23	3.2	40
148	Role of membrane Hsp70 in radiation sensitivity of tumor cells. <i>Radiation Oncology</i> , 2015 , 10, 149	4.2	40
147	The therapeutic implications of clinically applied modifiers of heat shock protein 70 (Hsp70) expression by tumor cells. <i>Cell Stress and Chaperones</i> , 2008 , 13, 1-10	4	40
146	Sensitizing tumor cells to radiation by targeting the heat shock response. <i>Cancer Letters</i> , 2015 , 360, 294-301	3.9	39
145	Heat-shock proteins and the immune response. <i>Annals of the New York Academy of Sciences</i> , 1998 , 851, 86-93	6.5	39
144	Adoptive transfer of human natural killer cells in mice with severe combined immunodeficiency inhibits growth of Hsp70-expressing tumors. <i>International Journal of Cancer</i> , 2000 , 88, 791-7	7.5	39
143	Noncytotoxic alkyl-lysophospholipid treatment increases sensitivity of leukemic K562 cells to lysis by natural killer (NK) cells. <i>International Journal of Cancer</i> , 1996 , 65, 633-8	7.5	39
142	Reduced side effects by proton microchannel radiotherapy: study in a human skin model. <i>Radiation and Environmental Biophysics</i> , 2013 , 52, 123-33	2	38
141	Differential Hsp70 plasma-membrane expression on primary human tumors and metastases in mice with severe combined immunodeficiency. <i>International Journal of Cancer</i> , 1998 , 77, 942-8	7.5	37
140	Critical role of aberrant angiogenesis in the development of tumor hypoxia and associated radioresistance. <i>Cancers</i> , 2014 , 6, 813-28	6.6	36
139	Exercise-induced extracellular 72 kDa heat shock protein (Hsp72) stimulates neutrophil phagocytic and fungicidal capacities via TLR-2. <i>European Journal of Applied Physiology</i> , 2010 , 108, 217-25	3.4	36
138	Influence of Hsp70 and HLA-E on the killing of leukemic blasts by cytokine/Hsp70 peptide-activated human natural killer (NK) cells. <i>Cell Stress and Chaperones</i> , 2008 , 13, 221-30	4	36
137	Live cell imaging of mitochondria following targeted irradiation in situ reveals rapid and highly localized loss of membrane potential. <i>Scientific Reports</i> , 2017 , 7, 46684	4.9	35

136	Accomplices of the Hypoxic Tumor Microenvironment Compromising Antitumor Immunity: Adenosine, Lactate, Acidosis, Vascular Endothelial Growth Factor, Potassium Ions, and Phosphatidylserine. <i>Frontiers in Immunology</i> , 2017 , 8, 1887	8.4	35
135	In vivo imaging of CT26 mouse tumours by using cmHsp70.1 monoclonal antibody. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 874-87	5.6	35
134	Fatal Alliance of Hypoxia-/HIF-1 β -Driven Microenvironmental Traits Promoting Cancer Progression. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1232, 169-176	3.6	35
133	Extracellular cell stress proteins as biomarkers of human disease. <i>Biochemical Society Transactions</i> , 2014 , 42, 1744-51	5.1	34
132	Validation of heat shock protein 70 as a tumor-specific biomarker for monitoring the outcome of radiation therapy in tumor mouse models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 88, 694-700	4	33
131	The endogenous danger signals HSP70 and MICA cooperate in the activation of cytotoxic effector functions of NK cells. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 992-1002	5.6	33
130	The role of recent nanotechnology in enhancing the efficacy of radiation therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015 , 1856, 130-43	11.2	32
129	Immunological and Translational Aspects of NK Cell-Based Antitumor Immunotherapies. <i>Frontiers in Immunology</i> , 2016 , 7, 492	8.4	32
128	Heat shock protein 70 and tumor-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 (DKTK-ROG). <i>International Journal of Cancer</i> , 2018 , 142, 1911-1925	7.5	32
127	Late proliferating and inflammatory effects on murine microvascular heart and lung endothelial cells after irradiation. <i>Radiotherapy and Oncology</i> , 2015 , 117, 376-81	5.3	31
126	Cell stress proteins in extracellular fluids: friend or foe?. <i>Novartis Foundation Symposium</i> , 2008 , 291, 86-95; discussion 96-100, 137-40		31
125	Detection of irradiation-induced, membrane heat shock protein 70 (Hsp70) in mouse tumors using Hsp70 Fab fragment. <i>Radiotherapy and Oncology</i> , 2011 , 99, 313-6	5.3	30
124	Hsp70-Activated NK Cells in Combination With PD-1 Inhibition Significantly Increase Overall Survival in Preclinical Models of Glioblastoma and Lung Cancer. <i>Frontiers in Immunology</i> , 2019 , 10, 454	8.4	29
123	Adenosine can thwart antitumor immune responses elicited by radiotherapy : Therapeutic strategies alleviating protumor ADO activities. <i>Strahlentherapie Und Onkologie</i> , 2016 , 192, 279-87	4.3	29
122	Differences in Phosphorylated Histone H2AX Foci Formation and Removal of Cells Exposed to Low and High Linear Energy Transfer Radiation. <i>Current Genomics</i> , 2012 , 13, 418-25	2.6	28
121	Comparative analysis of the effects of radiotherapy versus radiotherapy after adjuvant chemotherapy on the composition of lymphocyte subpopulations in breast cancer patients. <i>Radiotherapy and Oncology</i> , 2016 , 118, 176-80	5.3	27
120	Increased heat shock protein 70 (Hsp70) serum levels and low NK cell counts after radiotherapy - potential markers for predicting breast cancer recurrence?. <i>Radiation Oncology</i> , 2019 , 14, 78	4.2	25
119	Membrane-Associated Heat Shock Proteins in Oncology: From Basic Research to New Theranostic Targets. <i>Cells</i> , 2020 , 9,	7.9	25

118	Combination of Anti-Cancer Drugs with Molecular Chaperone Inhibitors. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
117	EGCG downregulates IL-1RI expression and suppresses IL-1-induced tumorigenic factors in human pancreatic adenocarcinoma cells. <i>Biochemical Pharmacology</i> , 2011 , 82, 1153-62	6	25
116	Anti-tumor activity of patient-derived NK cells after cell-based immunotherapy--a case report. <i>Journal of Translational Medicine</i> , 2009 , 7, 50	8.5	25
115	Radiosensitization of normoxic and hypoxic h1339 lung tumor cells by heat shock protein 90 inhibition is independent of hypoxia inducible factor-1 \square <i>PLoS ONE</i> , 2012 , 7, e31110	3.7	25
114	Preclinical Evaluation of the Hsp70 Peptide Tracer TPP-PEG-DFO[Zr] for Tumor-Specific PET/CT Imaging. <i>Cancer Research</i> , 2018 , 78, 6268-6281	10.1	25
113	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. <i>Frontiers in Immunology</i> , 2017 , 8, 1305	8.4	24
112	Radiochemotherapy combined with NK cell transfer followed by second-line PD-1 inhibition in a patient with NSCLC stage IIIb inducing long-term tumor control: a case study. <i>Strahlentherapie Und Onkologie</i> , 2019 , 195, 352-361	4.3	24
111	Is a Potential Target for Diagnostic PET/CT Imaging in Barrett's Dysplasia and Esophageal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2018 , 24, 1048-1061	12.9	24
110	Granzyme B Functionalized Nanoparticles Targeting Membrane Hsp70-Positive Tumors for Multimodal Cancer Theranostics. <i>Small</i> , 2019 , 15, e1900205	11	23
109	(-)-Epigallocatechin-3-gallate, a green tea-derived catechin, synergizes with celecoxib to inhibit IL-1-induced tumorigenic mediators by human pancreatic adenocarcinoma cells Colo357. <i>European Journal of Pharmacology</i> , 2012 , 684, 36-43	5.3	23
108	Selective in vivo imaging of syngeneic, spontaneous, and xenograft tumors using a novel tumor cell-specific hsp70 peptide-based probe. <i>Cancer Research</i> , 2014 , 74, 6903-12	10.1	23
107	Targeted Natural Killer Cell-Based Adoptive Immunotherapy for the Treatment of Patients with NSCLC after Radiochemotherapy: A Randomized Phase II Clinical Trial. <i>Clinical Cancer Research</i> , 2020 , 26, 5368-5379	12.9	23
106	Tumor imaging and targeting potential of an Hsp70-derived 14-mer peptide. <i>PLoS ONE</i> , 2014 , 9, e105344	3.7	22
105	Radiation-induced changes in microcirculation and interstitial fluid pressure affecting the delivery of macromolecules and nanotherapeutics to tumors. <i>Frontiers in Oncology</i> , 2012 , 2, 165	5.3	22
104	Synergistic effects of heat and ET-18-OCH3 on membrane expression of hsp70 and lysis of leukemic K562 cells. <i>Experimental Hematology</i> , 1999 , 27, 470-8	3.1	22
103	Recent Developments of Magnetic Nanoparticles for Theranostics of Brain Tumor. <i>Current Drug Metabolism</i> , 2016 , 17, 737-744	3.5	22
102	Overexpression of cytosolic, plasma membrane bound and extracellular heat shock protein 70 (Hsp70) in primary glioblastomas. <i>Journal of Neuro-Oncology</i> , 2017 , 135, 443-452	4.8	21
101	Immune Cell Phenotyping Using Flow Cytometry. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2015 , 66, 18.8.1-18.8.34	1	21

100	A novel expression and purification system for the production of enzymatic and biologically active human granzyme B. <i>Journal of Immunological Methods</i> , 2011 , 371, 8-17	2.5	21
99	Tumour infiltrating host cells and their significance for hyperthermia. <i>International Journal of Hyperthermia</i> , 2010 , 26, 247-55	3.7	21
98	Immunotherapeutic targeting of membrane Hsp70-expressing tumors using recombinant human granzyme B. <i>PLoS ONE</i> , 2012 , 7, e41341	3.7	21
97	A hypoxia-induced decrease of either MICA/B or Hsp70 on the membrane of tumor cells mediates immune escape from NK cells. <i>Cell Stress and Chaperones</i> , 2015 , 20, 139-47	4	20
96	Stress Response Leading to Resistance in Glioblastoma-The Need for Innovative Radiotherapy (iRT) Concepts. <i>Cancers</i> , 2016 , 8,	6.6	20
95	AMPK-independent autophagy promotes radioresistance of human tumor cells under clinical relevant hypoxia in vitro. <i>Radiotherapy and Oncology</i> , 2015 , 116, 409-16	5.3	19
94	Bacterial production and functional characterization of the Fab fragment of the murine IgG1/lambda monoclonal antibody cmHsp70.1, a reagent for tumour diagnostics. <i>Protein Engineering, Design and Selection</i> , 2010 , 23, 161-8	1.9	19
93	Ifosfamide induced depletion of glutathione in human peripheral blood lymphocytes and protection by mesna. <i>Anti-Cancer Drugs</i> , 1994 , 5, 403-9	2.4	19
92	NK cell-based therapeutics for lung cancer. <i>Expert Opinion on Biological Therapy</i> , 2020 , 20, 23-33	5.4	19
91	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. <i>Oncotarget</i> , 2016 , 7, 43199-43219	3.3	19
90	The Hsp70 inhibiting peptide aptamer A17 potentiates radiosensitization of tumor cells by Hsp90 inhibition. <i>Cancer Letters</i> , 2017 , 390, 146-152	9.9	18
89	Imaging of Hsp70-positive tumors with cmHsp70.1 antibody-conjugated gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2015 , 10, 5687-700	7.3	18
88	Non-targeted effects of photon and particle irradiation and the interaction with the immune system. <i>Frontiers in Oncology</i> , 2012 , 2, 80	5.3	18
87	Improved Overall Survival of Mice by Reducing Lung Side Effects After High-Precision Heart Irradiation Using a Small Animal Radiation Research Platform. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 101, 671-679	4	18
86	Effects of definitive and salvage radiotherapy on the distribution of lymphocyte subpopulations in prostate cancer patients. <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 648-655	4.3	17
85	NZ28-induced inhibition of HSF1, SP1 and NF-B triggers the loss of the natural killer cell-activating ligands MICA/B on human tumor cells. <i>Cancer Immunology, Immunotherapy</i> , 2015 , 64, 599-608	7.4	17
84	Silencing Hsp25/Hsp27 gene expression augments proteasome activity and increases CD8+ T-cell-mediated tumor killing and memory responses. <i>Cancer Prevention Research</i> , 2012 , 5, 122-37	3.2	17
83	An Hsp70 peptide initiates NK cell killing of leukemic blasts after stem cell transplantation. <i>Leukemia Research</i> , 2008 , 32, 527-34	2.7	17

82	Molecular AFM imaging of Hsp70-1A association with dipalmitoyl phosphatidylserine reveals membrane blebbing in the presence of cholesterol. <i>Cell Stress and Chaperones</i> , 2018 , 23, 673-683	4	15
81	Irradiation-induced up-regulation of HLA-E on macrovascular endothelial cells confers protection against killing by activated natural killer cells. <i>PLoS ONE</i> , 2010 , 5, e15339	3.7	15
80	Recent Advances in Gold Nanoformulations for Cancer Therapy. <i>Current Drug Metabolism</i> , 2018 , 19, 768-780	3.9	15
79	Membrane Hsp70-supported cell-to-cell connections via tunneling nanotubes revealed by live-cell STED nanoscopy. <i>Cell Stress and Chaperones</i> , 2019 , 24, 213-221	4	15
78	Detection of experimental myocardium infarction in rats by MRI using heat shock protein 70 conjugated superparamagnetic iron oxide nanoparticle. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 611-621	6	14
77	Radiosensitization of wildtype p53 cancer cells by the MDM2-inhibitor PXN727 is associated with altered heat shock protein 70 (Hsp70) levels. <i>Cell Stress and Chaperones</i> , 2013 , 18, 183-91	4	14
76	Irradiation-induced regulation of plasminogen activator inhibitor type-1 and vascular endothelial growth factor in six human squamous cell carcinoma lines of the head and neck. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 574-82	4	14
75	Identification of potential HLA class I and class II epitope precursors associated with heat shock protein 70 (HSPA). <i>Cell Stress and Chaperones</i> , 2010 , 15, 729-41	4	14
74	Selection of an Anticalin against the membrane form of Hsp70 via bacterial surface display and its theranostic application in tumour models. <i>Biological Chemistry</i> , 2018 , 399, 235-252	4.5	14
73	External Beam Radiation Therapy Enhances Mesenchymal Stem Cell-Mediated Sodium-Iodide Symporter Gene Delivery. <i>Human Gene Therapy</i> , 2018 , 29, 1287-1300	4.8	13
72	Retinoid- and sodium-butyrate-induced decrease in heat shock protein 70 membrane-positive tumor cells is associated with reduced sensitivity to natural killer cell lysis, growth delay, and altered growth morphology. <i>Cell Stress and Chaperones</i> , 2005 , 10, 136-46	4	13
71	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. <i>European Journal of Immunology</i> , 2021 , 51, 2708-3145	6.1	12
70	Adhesion molecule expression and function of primary endothelial cells in benign and malignant tissues correlates with proliferation. <i>PLoS ONE</i> , 2014 , 9, e91808	3.7	11
69	Radiosensitization of HSF-1 Knockdown Lung Cancer Cells by Low Concentrations of Hsp90 Inhibitor NVP-AUY922. <i>Cells</i> , 2019 , 8,	7.9	10
68	Radiation-Induced Amplification of TGFB1-Induced Mesenchymal Stem Cell-Mediated Sodium Iodide Symporter () Gene I Therapy. <i>Clinical Cancer Research</i> , 2019 , 25, 5997-6008	12.9	10
67	Gold Nanoparticle Mediated Multi-Modal CT Imaging of Hsp70 Membrane-Positive Tumors. <i>Cancers</i> , 2020 , 12,	6.6	10
66	Heat shock and proinflammatory stressors induce differential localization of heat shock proteins in human monocytes. <i>Inflammation</i> , 1997 , 21, 629-42	5.1	10
65	Commentary: A Metabolic Immune Checkpoint: Adenosine in Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2016 , 7, 332	8.4	10

64	Rationale of hyperthermia for radio(chemo)therapy and immune responses in patients with bladder cancer: Biological concepts, clinical data, interdisciplinary treatment decisions and biological tumour imaging. <i>International Journal of Hyperthermia</i> , 2016 , 32, 455-63	3.7	10
63	Membrane Hsp70-A Novel Target for the Isolation of Circulating Tumor Cells After Epithelial-to-Mesenchymal Transition. <i>Frontiers in Oncology</i> , 2018 , 8, 497	5.3	10
62	Serum heat shock protein 70 levels as a biomarker for inflammatory processes in multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2018 , 4, 2055217318767192	2	10
61	Intravital optoacoustic and ultrasound bio-microscopy reveal radiation-inhibited skull angiogenesis. <i>Bone</i> , 2020 , 133, 115251	4.7	9
60	PPAR α Necessary for Radiation-Induced Activation of Noncanonical TGF β Signaling in the Heart. <i>Journal of Proteome Research</i> , 2018 , 17, 1677-1689	5.6	9
59	Hyperthermia classic commentary: Activation of natural killer (NK) cells by heat shock protein 70, Gabriele Multhoff, <i>International Journal of Hyperthermia</i> , 2002;18:576-585. <i>International Journal of Hyperthermia</i> , 2009 , 25, 176-9	3.7	8
58	B-Cell-Based and Soluble Biomarkers in Body Liquids for Predicting Acute/Chronic Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2016 , 7, 660	8.4	7
57	Influence of tumors on protective anti-tumor immunity and the effects of irradiation. <i>Frontiers in Oncology</i> , 2013 , 3, 14	5.3	7
56	Nucleofection of non-B cells with mini-Epstein-Barr virus DNA. <i>Journal of Immunological Methods</i> , 2005 , 303, 135-41	2.5	7
55	Deep abscopal response to radiotherapy and anti-PD-1 in an oligometastatic melanoma patient with unfavorable pretreatment immune signature. <i>Cancer Immunology, Immunotherapy</i> , 2020 , 69, 1823-1832	7.4	6
54	Frontiers research topic: radiation-induced effects and the immune system. <i>Frontiers in Oncology</i> , 2013 , 3, 55	5.3	6
53	Natural killer cells activity and neuroimmunological treatment of cancer. <i>Clinical Cancer Research</i> , 2004 , 10, 8120; author reply 8120-1	12.9	6
52	Leveraging random forests for interactive exploration of large histological images. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 1-8	0.9	6
51	Monitoring PAI-1 and VEGF levels in 6 human squamous cell carcinoma xenografts during fractionated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e409-17	4	5
50	Radiation induced stress proteins. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2010 , 48, 492-3	2	5
49	Systemic antitumor effect by regional hyperthermia combined with low-dose chemotherapy and immunologic correlates in an adolescent patient with rhabdomyosarcoma - a case report. <i>International Journal of Hyperthermia</i> , 2020 , 37, 55-65	3.7	5
48	A New Pharmacokinetic Model Describing the Biodistribution of Intravenously and Intratumorally Administered Superparamagnetic Iron Oxide Nanoparticles (SPIONs) in a GL261 Xenograft Glioblastoma Model. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4677-4689	7.3	5
47	Repurposing Cannabidiol as a Potential Drug Candidate for Anti-Tumor Therapies. <i>Biomolecules</i> , 2021 , 11,	5.9	5

46	The Warburg Effect: Historical Dogma Versus Current Rationale. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1269, 169-177	3.6	5
45	Regional Hyperthermia Enhances Mesenchymal Stem Cell Recruitment to Tumor Stroma: Implications for Mesenchymal Stem Cell-Based Tumor Therapy. <i>Molecular Therapy</i> , 2021 , 29, 788-803	11.7	4
44	CXCL9 inhibits tumour growth and drives anti-PD-L1 therapy in ovarian cancer.. <i>British Journal of Cancer</i> , 2022 ,	8.7	4
43	NK Cells Armed with Chimeric Antigen Receptors (CAR): Roadblocks to Successful Development.. <i>Cells</i> , 2021 , 10,	7.9	4
42	Commentary to: A comparison of two commercially available ELISA methods for the quantification of human plasma heat shock protein 70 during rest and exercise stressRby Lee et al. 2015. <i>Cell Stress and Chaperones</i> , 2015 , 20, 865-6	4	3
41	Targeted and theranostic applications for nanotechnologies in medicine 2018 , 399-511		3
40	7Hsp70 serum levels in pet dogs-a potential diagnostic biomarker for spontaneous round cell tumors. <i>Cell Stress and Chaperones</i> , 2019 , 24, 969-978	4	3
39	Master of Science (MSc) Program in Radiation Biology: An Interdepartmental Course Bridging the Gap between Radiation-Related Preclinical and Clinical Disciplines to Prepare Next-Generation Medical Scientists. <i>Frontiers in Oncology</i> , 2017 , 7, 226	5.3	3
38	Label-free nondestructive discrimination of colon carcinoma sublines and biomolecular insights into their differential Hsp70 expression: DNA/RNA nucleobase specific changes. <i>ChemBioChem</i> , 2011 , 12, 1922-36	3.8	3
37	Targeted Hsp70 fluorescence molecular endoscopy detects dysplasia in Barrett's esophagus. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	3
36	Data independent acquisition mass spectrometry of irradiated mouse lung endothelial cells reveals a STAT-associated inflammatory response. <i>International Journal of Radiation Biology</i> , 2020 , 96, 642-650	2.9	3
35	SOX9 Knockout Induces Polyploidy and Changes Sensitivity to Tumor Treatment Strategies in a Chondrosarcoma Cell Line. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
34	Targeting Cancer Metabolism Breaks Radioresistance by Impairing the Stress Response. <i>Cancers</i> , 2021 , 13,	6.6	3
33	Therapeutic Implications of Heat Shock Proteins in Cancer. <i>Heat Shock Proteins</i> , 2019 , 211-243	0.2	2
32	Assisting the examination of large histopathological slides with adaptive forests. <i>Medical Image Analysis</i> , 2017 , 35, 655-668	15.4	2
31	Role of Heat Shock Proteins in Immune Modulation in Malaria 2014 , 119-132		2
30	Lactate-avid regulatory T cells: metabolic plasticity controls immunosuppression in tumour microenvironment. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 171	21	2
29	The Chemokine CX3CL1 Improves Trastuzumab Efficacy in HER2 Low-Expressing Cancer and. <i>Cancer Immunology Research</i> , 2021 , 9, 779-789	12.5	2

28	Potential Role of Hsp70 and Activated NK Cells for Prediction of Prognosis in Glioblastoma Patients. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 669366	5.6	2
27	Comparison of the composition of lymphocyte subpopulations in non-relapse and relapse patients with squamous cell carcinoma of the head and neck before, during radiochemotherapy and in the follow-up period: a multicenter prospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>Radiation Oncology</i> , 2021 , 16, 141	4.2	2
26	Time- and Dose-Dependent Effects of Ionizing Irradiation on the Membrane Expression of Hsp70 on Glioma Cells. <i>Cells</i> , 2020 , 9,	7.9	1
25	Detection of Magnetosome-Like Structures in Eukaryotic Cells Using Nonlinear Longitudinal Response to ac Field. <i>Applied Magnetic Resonance</i> , 2019 , 50, 943-957	0.8	1
24	Hsp70 Peptide Acting as a Danger Signal for Natural Killer (NK) Cells 2007 , 21-30		1
23	Interference between mutational load, immune signatures and outcome in patients with head and neck cancer treated with definitive chemoradiation: A multicenter study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG).. <i>Journal of Clinical Oncology</i> , 2018 , 36, 6047-6047	2.2	1
22	Partial-Brain Radiation-Induced Microvascular Cognitive Impairment in Juvenile Murine Unilateral Hippocampal Synaptic Plasticity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 ,	4	1
21	Application of High-Z Gold Nanoparticles in Targeted Cancer Radiotherapy-Pharmacokinetic Modeling, Monte Carlo Simulation and Radiobiological Effect Modeling. <i>Cancers</i> , 2021 , 13,	6.6	1
20	Circulating HSP70 as an Endogenous Cytoprotector?. <i>Heat Shock Proteins</i> , 2010 , 317-326	0.2	1
19	Data-Independent Acquisition Proteomics Reveals Long-Term Biomarkers in the Serum of C57BL/6J Mice Following Local High-Dose Heart Irradiation. <i>Frontiers in Public Health</i> , 2021 , 9, 678856	6	1
18	Immunohistochemical and Flow Cytometric Analysis of Intracellular and Membrane-Bound Hsp70, as a Putative Biomarker of Glioblastoma Multiforme, Using the cmHsp70.1 Monoclonal Antibody. <i>Methods in Molecular Biology</i> , 2018 , 1709, 307-320	1.4	1
17	Magnetic nanoparticles in theranostics of malignant melanoma.. <i>EJNMMI Research</i> , 2021 , 11, 127	3.6	1
16	Oxygen Deprivation Modulates EGFR and PD-L1 in Squamous Cell Carcinomas of the Head and Neck. <i>Frontiers in Oncology</i> , 2021 , 11, 623964	5.3	0
15	In-vivo X-ray dark-field computed tomography for the detection of radiation-induced lung damage in mice. <i>Physics and Imaging in Radiation Oncology</i> , 2021 , 20, 11-16	3.1	0
14	A Low Membrane Hsp70 Expression in Tumor Cells With Impaired Lactate Metabolism Mediates Radiosensitization by NVP-AUY922.. <i>Frontiers in Oncology</i> , 2022 , 12, 861266	5.3	0
13	Preclinical Mouse Models for the Evaluation of Novel Techniques in Particle Therapy. <i>Progress in Tumor Research</i> , 2018 , 122-129		
12	Comment to: Humanization of a mouse monoclonal antibody directed against a cell surface-exposed epitope of membrane-associated heat shock protein 70 (Hsp70). <i>Molecular Biotechnology</i> , 2010 , 46, 206-8; discussion 209	3	
11	NK cell-based immunotherapies against tumors. <i>Open Medicine (Poland)</i> , 2006 , 1, 179-204	2.2	

10	Ist eine kolonpouchanale Rekonstruktion beim tief sitzenden Rektumkarzinom sinnvoll? <i>Coloproctology</i> , 2003 , 25, 3-9	0.2
9	Ex-vivo Heat Shock Protein 70-Peptide-Activated, Autologous Natural Killer Cells Adoptive Therapy: From the Bench to the Clinic. <i>Journal of Immunotherapy</i> , 2005 , 28, 616	5
8	Development and Function of NK and T Cells in AML Patients after Allogeneic Stem Cell Transplantation (SCT).. <i>Blood</i> , 2004 , 104, 3244-3244	2.2
7	Komplementäre Therapieverfahren 2006 , 173-369	
6	Antigen Mimicry Cytotoxic T Cells Specific for Epstein-Barr Virus Recognize HLA Alloantigens 1989 , 376-378	
5	Role of the Immune System in Cancer Development and Therapeutic Implications. <i>Medical Radiology</i> , 2009 , 129-145	0.2
4	Membrane-Expressed and Extracellular Stress Proteins in Infectious Disease. <i>Heat Shock Proteins</i> , 2009 , 211-225	0.2
3	Pathophysiological Barriers Impeding the Delivery of Heat Shock Protein (HSP)-Based Macromolecules and Nanotherapeutics to Solid Tumors. <i>Heat Shock Proteins</i> , 2012 , 185-199	0.2
2	First Virtual International Congress on Cellular and Organismal Stress Responses, November 5-6, 2020. <i>Cell Stress and Chaperones</i> , 2021 , 26, 289-295	4
1	Role of Heat Shock Proteins in Immune Modulation in Malaria. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1340, 169-186	3.6