

Gabriele Multhoff

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3648492/gabriele-multhoff-publications-by-year.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	CXCL9 inhibits tumour growth and drives anti-PD-L1 therapy in ovarian cancer.. <i>British Journal of Cancer</i> , 2022 ,	8.7	4
224	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
223	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
222	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
221	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
220	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
219	Lactate-avid regulatory T cells: metabolic plasticity controls immunosuppression in tumour microenvironment. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 171	21	2
218	Repurposing Cannabidiol as a Potential Drug Candidate for Anti-Tumor Therapies. <i>Biomolecules</i> , 2021 , 11,	5.9	5
217	The Chemokine CX3CL1 Improves Trastuzumab Efficacy in HER2 Low-Expressing Cancer and. <i>Cancer Immunology Research</i> , 2021 , 9, 779-789	12.5	2
216	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
215	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
214	Targeting Cancer Metabolism Breaks Radioresistance by Impairing the Stress Response. <i>Cancers</i> , 2021 , 13,	6.6	3
213	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
212	Revisiting the Warburg effect: historical dogma versus current understanding. <i>Journal of Physiology</i> , 2021 , 599, 1745-1757	3.9	88
211	The Warburg Effect: Historical Dogma Versus Current Rationale. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1269, 169-177	3.6	5
210	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
209	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

208	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	
207	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
206	Role of Heat Shock Proteins in Immune Modulation in Malaria. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1340, 169-186	3.6	
205	Magnetic nanoparticles in theranostics of malignant melanoma.. <i>EJNMMI Research</i> , 2021 , 11, 127	3.6	1
204	NK Cells Armed with Chimeric Antigen Receptors (CAR): Roadblocks to Successful Development.. <i>Cells</i> , 2021 , 10,	7.9	4
203	Membrane-Associated Heat Shock Proteins in Oncology: From Basic Research to New Theranostic Targets. <i>Cells</i> , 2020 , 9,	7.9	25
202	Gold Nanoparticle Mediated Multi-Modal CT Imaging of Hsp70 Membrane-Positive Tumors. <i>Cancers</i> , 2020 , 12,	6.6	10
201	Intravital optoacoustic and ultrasound bio-microscopy reveal radiation-inhibited skull angiogenesis. <i>Bone</i> , 2020 , 133, 115251	4.7	9
200	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
199	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
198	Hypoxia Compromises Anti-Cancer Immune Responses. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1232, 131-143	3.6	63
197	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
196	NK cell-based therapeutics for lung cancer. <i>Expert Opinion on Biological Therapy</i> , 2020 , 20, 23-33	5.4	19
195	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
194	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
193	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
192	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
191	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

190	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
189	Radiosensitization of HSF-1 Knockdown Lung Cancer Cells by Low Concentrations of Hsp90 Inhibitor NVP-AUY922. <i>Cells</i> , 2019 , 8,	7.9	10
188	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
187	Radiation-Induced Amplification of TGF β 1-Induced Mesenchymal Stem Cell-Mediated Sodium Iodide Symporter () Gene I Therapy. <i>Clinical Cancer Research</i> , 2019 , 25, 5997-6008	12.9	10
186	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
185	Novel Approaches to Improve the Efficacy of Immuno-Radiotherapy. <i>Frontiers in Oncology</i> , 2019 , 9, 156	5.3	67
184	Granzyme B Functionalized Nanoparticles Targeting Membrane Hsp70-Positive Tumors for Multimodal Cancer Theranostics. <i>Small</i> , 2019 , 15, e1900205	11	23
183	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
182	Therapeutic Implications of Heat Shock Proteins in Cancer. <i>Heat Shock Proteins</i> , 2019 , 211-243	0.2	2
181	Hsp70 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
180	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
179	Combination of Anti-Cancer Drugs with Molecular Chaperone Inhibitors. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
178	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
177	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
176	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
175	Targeted and theranostic applications for nanotechnologies in medicine 2018 , 399-511		3
174	PPAR α s 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
173	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

172	Preclinical Mouse Models for the Evaluation of Novel Techniques in Particle Therapy. <i>Progress in Tumor Research</i> , 2018 , 122-129		
171	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
170	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
169	Recent Advances in Gold Nanoformulations for Cancer Therapy. <i>Current Drug Metabolism</i> , 2018 , 19, 768-780	3.9	15
168	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
167	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
166	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
165	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
164	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
163	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
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	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

154	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
153	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
152	Assisting the examination of large histopathological slides with adaptive forests. <i>Medical Image Analysis</i> , 2017 , 35, 655-668	15.4	2
151	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
150	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
149	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
148	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
147	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
146	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
145	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
144	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
143	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
142	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
141	Recent Developments of Magnetic Nanoparticles for Theranostics of Brain Tumor. <i>Current Drug Metabolism</i> , 2016 , 17, 737-744	3.5	22
140	Heat Shock Protein-Peptide and HSP-Based Immunotherapies for the Treatment of Cancer. <i>Frontiers in Immunology</i> , 2016 , 7, 171	8.4	95
139	Commentary: A Metabolic Immune Checkpoint: Adenosine in Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2016 , 7, 332	8.4	10
138	Immunological and Translational Aspects of NK Cell-Based Antitumor Immunotherapies. <i>Frontiers in Immunology</i> , 2016 , 7, 492	8.4	32
137	Stress Response Leading to Resistance in Glioblastoma-The Need for Innovative Radiotherapy (iRT) Concepts. <i>Cancers</i> , 2016 , 8,	6.6	20

136	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
135	Eigenspectra optoacoustic tomography achieves quantitative blood oxygenation imaging deep in tissues. <i>Nature Communications</i> , 2016 , 7, 12121	17.4	151
134	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
133	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
132	NZ28-induced inhibition of HSF1, SP1 and NF- κ 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
131	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
130	Commentary to: A comparison of two commercially available ELISA methods for the quantification of human plasma heat shock protein 70 during rest and exercise stress. By Lee et al. 2015. <i>Cell Stress and Chaperones</i> , 2015 , 20, 865-6	4	3
129	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
128	The role of heat shock protein 70 (Hsp70) in radiation-induced immunomodulation. <i>Cancer Letters</i> , 2015 , 368, 179-84	9.9	69
127	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
126	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
125	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
124	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
123	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
122	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
121	Role of membrane Hsp70 in radiation sensitivity of tumor cells. <i>Radiation Oncology</i> , 2015 , 10, 149	4.2	40
120	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
119	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

118	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015 , 6, 588	8.4	239
117	Sensitizing tumor cells to radiation by targeting the heat shock response. <i>Cancer Letters</i> , 2015 , 360, 294-301	3.9	39
116	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
115	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
114	Extracellular cell stress proteins as biomarkers of human disease. <i>Biochemical Society Transactions</i> , 2014 , 42, 1744-51	5.1	34
113	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
112	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
111	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
110	Tumor imaging and targeting potential of an Hsp70-derived 14-mer peptide. <i>PLoS ONE</i> , 2014 , 9, e105344	3.7	22
109	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
108	Consensus guidelines for the detection of immunogenic cell death. <i>OncolImmunology</i> , 2014 , 3, e955691	7.2	524
107	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
106	Critical role of aberrant angiogenesis in the development of tumor hypoxia and associated radioresistance. <i>Cancers</i> , 2014 , 6, 813-28	6.6	36
105	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
104	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
103	Leveraging random forests for interactive exploration of large histological images. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 1-8	0.9	6
102	Role of Heat Shock Proteins in Immune Modulation in Malaria 2014 , 119-132		2
101	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

100	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
99	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
98	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
97	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
96	Frontiers research topic: radiation-induced effects and the immune system. <i>Frontiers in Oncology</i> , 2013 , 3, 55	5.3	6
95	Influence of tumors on protective anti-tumor immunity and the effects of irradiation. <i>Frontiers in Oncology</i> , 2013 , 3, 14	5.3	7
94	(-)-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
93	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
92	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
91	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
90	Radiation, inflammation, and immune responses in cancer. <i>Frontiers in Oncology</i> , 2012 , 2, 58	5.3	125
89	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
88	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
87	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
86	Radiosensitization of normoxic and hypoxic h1339 lung tumor cells by heat shock protein 90 inhibition is independent of hypoxia inducible factor-1. <i>PLoS ONE</i> , 2012 , 7, e31110	3.7	25
85	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
84	Immunotherapeutic targeting of membrane Hsp70-expressing tumors using recombinant human granzyme B. <i>PLoS ONE</i> , 2012 , 7, e41341	3.7	21
83	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	

82	Chronic inflammation in cancer development. <i>Frontiers in Immunology</i> , 2011 , 2, 98	8.4	242
81	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
80	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
79	Autophagy contributes to resistance of tumor cells to ionizing radiation. <i>Radiotherapy and Oncology</i> , 2011 , 99, 287-92	5.3	186
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	Tumour infiltrating host cells and their significance for hyperthermia. <i>International Journal of Hyperthermia</i> , 2010 , 26, 247-55	3.7	21
69	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
68	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
67	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	
66	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
65	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

64	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
63	Radiation induced stress proteins. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2010 , 48, 492-3	2	5
62	Circulating HSP70 as an Endogenous Cytoprotector?. <i>Heat Shock Proteins</i> , 2010 , 317-326	0.2	1
61	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
60	The atheroprotective properties of Hsp70: a role for Hsp70-endothelial interactions?. <i>Cell Stress and Chaperones</i> , 2009 , 14, 545-53	4	44
59	Activation of natural killer cells by heat shock protein 70. 2002. <i>International Journal of Hyperthermia</i> , 2009 , 25, 169-75	3.7	42
58	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
57	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
56	Role of the Immune System in Cancer Development and Therapeutic Implications. <i>Medical Radiology</i> , 2009 , 129-145	0.2	
55	Membrane-Expressed and Extracellular Stress Proteins in Infectious Disease. <i>Heat Shock Proteins</i> , 2009 , 211-225	0.2	
54	Membrane-associated stress proteins: more than simply chaperones. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1653-64	3.8	159
53	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
52	Cell stress proteins in extracellular fluids: friend or foe?. <i>Novartis Foundation Symposium</i> , 2008 , 291, 86-95; discussion 96-100, 137-40		31
51	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
50	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
49	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
48	Tumor-specific Hsp70 plasma membrane localization is enabled by the glycosphingolipid Gb3. <i>PLoS ONE</i> , 2008 , 3, e1925	3.7	118
47	Patient survival by Hsp70 membrane phenotype: association with different routes of metastasis. <i>Cancer</i> , 2007 , 110, 926-35	6.4	72

46	Heat shock proteins in cancer. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1113, 192-201	6.5	108
45	Hsp70 Peptide Acting as a Danger Signal for Natural Killer (NK) Cells 2007 , 21-30		1
44	Heat shock protein 70 (Hsp70): membrane location, export and immunological relevance. <i>Methods</i> , 2007 , 43, 229-37	4.6	130
43	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
42	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
41	NK cell-based immunotherapies against tumors. <i>Open Medicine (Poland)</i> , 2006 , 1, 179-204	2.2	
40	Komplementäre Therapieverfahren 2006 , 173-369		
39	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	
38	Nucleofection of non-B cells with mini-Epstein-Barr virus DNA. <i>Journal of Immunological Methods</i> , 2005 , 303, 135-41	2.5	7
37	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
36	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
35	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
34	Immunostimulatory functions of membrane-bound and exported heat shock protein 70. <i>Exercise Immunology Review</i> , 2005 , 11, 17-33	8.6	99
33	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
32	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
31	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
30	Natural killer cells activity and neuroimmunological treatment of cancer. <i>Clinical Cancer Research</i> , 2004 , 10, 8120; author reply 8120-1	12.9	6
29	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

28	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	
27	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
26	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
25	Ist eine kolonpouchanale Rekonstruktion beim tief sitzenden Rektumkarzinom sinnvoll?. <i>Coloproctology</i> , 2003 , 25, 3-9	0.2	
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	A 14-mer Hsp70 peptide stimulates natural killer (NK) cell activity. <i>Cell Stress and Chaperones</i> , 2001 , 6, 337-44	4	156
16	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
15	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
14	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
13	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
12	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
11	Heat-shock proteins and the immune response. <i>Annals of the New York Academy of Sciences</i> , 1998 , 851, 86-93	6.5	39

10	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
9	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
8	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
7	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
6	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
5	Cell surface expression of heat shock proteins and the immune response. <i>Cell Stress and Chaperones</i> , 1996 , 1, 167-76	4	133
4	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
3	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
2	Antigen Mimicry Cytotoxic T Cells Specific for Epstein-Barr Virus Recognize HLA Alloantigens 1989 , 376-378		
1	HLA and narcolepsy in a German population. <i>Tissue Antigens</i> , 1986 , 28, 163-9		47