

Alexzander A A Asea

List of Publications by Citations

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72
papers

5,820
citations

31
h-index

76
g-index

77
ext. papers

6,191
ext. citations

4.2
avg, IF

5.39
L-index

#	Paper	IF	Citations
72	HSP70 stimulates cytokine production through a CD14-dependant pathway, demonstrating its dual role as a chaperone and cytokine. <i>Nature Medicine</i> , 2000 , 6, 435-42	50.5	1382
71	Novel signal transduction pathway utilized by extracellular HSP70: role of toll-like receptor (TLR) 2 and TLR4. <i>Journal of Biological Chemistry</i> , 2002 , 277, 15028-34	5.4	1202
70	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
69	Tumor-derived heat shock protein 70 peptide complexes are cross-presented by human dendritic cells. <i>Journal of Immunology</i> , 2002 , 169, 5424-32	5.3	233
68	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
67	Heat shock protein-containing exosomes in mid-trimester amniotic fluids. <i>Journal of Reproductive Immunology</i> , 2008 , 79, 12-7	4.2	142
66	Radiation-induced effects and the immune system in cancer. <i>Frontiers in Oncology</i> , 2012 , 2, 191	5.3	136
65	HSP70 peptidbearing and peptide-negative preparations act as chaperokines. <i>Cell Stress and Chaperones</i> , 2000 , 5, 425-31	4	132
64	Stress proteins and initiation of immune response: chaperokine activity of hsp72. <i>Exercise Immunology Review</i> , 2005 , 11, 34-45	8.6	125
63	Stress-induced release of HSC70 from human tumors. <i>Cellular Immunology</i> , 2003 , 222, 97-104	4.4	115
62	Heat shock proteins and toll-like receptors. <i>Handbook of Experimental Pharmacology</i> , 2008 , 111-27	3.2	108
61	A mouse model for triple-negative breast cancer tumor-initiating cells (TNBC-TICs) exhibits similar aggressive phenotype to the human disease. <i>BMC Cancer</i> , 2012 , 12, 120	4.8	103
60	Chaperokine-induced signal transduction pathways. <i>Exercise Immunology Review</i> , 2003 , 9, 25-33	8.6	86
59	Surface expression of Hsp25 and Hsp72 differentially regulates tumor growth and metastasis. <i>Tumor Biology</i> , 2004 , 25, 243-51	2.9	79
58	Adaptogens exert a stress-protective effect by modulation of expression of molecular chaperones. <i>Phytomedicine</i> , 2009 , 16, 617-22	6.5	72
57	Tumor-Endothelial Cell Three-dimensional Spheroids: New Aspects to Enhance Radiation and Drug Therapeutics. <i>Translational Oncology</i> , 2011 , 4, 365-76	4.9	69
56	Combined hyperthermia and radiotherapy for the treatment of cancer. <i>Cancers</i> , 2011 , 3, 3799-823	6.6	68

55	Mechanisms of HSP72 release. <i>Journal of Biosciences</i> , 2007 , 32, 579-84	2.3	68
54	Radiation therapy induces circulating serum Hsp72 in patients with prostate cancer. <i>Radiotherapy and Oncology</i> , 2010 , 95, 350-8	5.3	67
53	Transcriptional activity and DNA binding of heat shock factor-1 involve phosphorylation on threonine 142 by CK2. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 700-6	3.4	67
52	Cardiovascular disease delay in centenarian offspring: role of heat shock proteins. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1019, 502-5	6.5	62
51	Initiation of the Immune Response by Extracellular Hsp72: Chaperokine Activity of Hsp72. <i>Current Immunology Reviews</i> , 2006 , 2, 209-215	1.3	60
50	Serum heat shock protein 70 level as a biomarker of exceptional longevity. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 862-8	5.6	58
49	Major role of HSP70 as a paracrine inducer of cytokine production in human oxidized LDL treated macrophages. <i>Atherosclerosis</i> , 2006 , 185, 32-8	3.1	45
48	Silencing the hsp25 gene eliminates migration capability of the highly metastatic murine 4T1 breast adenocarcinoma cell. <i>Tumor Biology</i> , 2006 , 27, 17-26	2.9	43
47	Adaptogens stimulate neuropeptide y and hsp72 expression and release in neuroglia cells. <i>Frontiers in Neuroscience</i> , 2012 , 6, 6	5.1	39
46	Double-stranded RNA-dependent protein kinase (pkr) is essential for thermotolerance, accumulation of HSP70, and stabilization of ARE-containing HSP70 mRNA during stress. <i>Journal of Biological Chemistry</i> , 2002 , 277, 44539-47	5.4	39
45	Hsp70: a chaperokine. <i>Novartis Foundation Symposium</i> , 2008 , 291, 173-9; discussion 179-83, 221-4		36
44	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
43	Sickle cell vaso-occlusive crisis induces the release of circulating serum heat shock protein-70. <i>American Journal of Hematology</i> , 2005 , 78, 240-2	7.1	36
42	Petiveria alliacea extracts uses multiple mechanisms to inhibit growth of human and mouse tumoral cells. <i>BMC Complementary and Alternative Medicine</i> , 2008 , 8, 60	4.7	32
41	Gallotannin-rich Caesalpinia spinosa fraction decreases the primary tumor and factors associated with poor prognosis in a murine breast cancer model. <i>BMC Complementary and Alternative Medicine</i> , 2013 , 13, 74	4.7	30
40	Chaperokine function of recombinant Hsp72 produced in insect cells using a baculovirus expression system is retained. <i>Journal of Biological Chemistry</i> , 2010 , 285, 349-56	5.4	28
39	Evaluation of molecular chaperons Hsp72 and neuropeptide Y as characteristic markers of adaptogenic activity of plant extracts. <i>Phytomedicine</i> , 2013 , 20, 1323-9	6.5	26
38	A Petiveria alliacea standardized fraction induces breast adenocarcinoma cell death by modulating glycolytic metabolism. <i>Journal of Ethnopharmacology</i> , 2014 , 153, 641-9	5	24

37	Chronic intracerebroventricular administration of beta-endorphin augments natural killer cell cytotoxicity in rats. <i>Regulatory Peptides</i> , 1996 , 62, 113-8		20
36	Hsp72 release: mechanisms and methodologies. <i>Methods</i> , 2007 , 43, 194-8	4.6	19
35	Oral low-dose chemotherapy: successful treatment of an alveolar rhabdomyosarcoma during pregnancy. <i>Pediatric Blood and Cancer</i> , 2012 , 58, 104-6	3	17
34	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
33	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
32	Hsp72 (HSPA1A) Prevents Human Islet Amyloid Polypeptide Aggregation and Toxicity: A New Approach for Type 2 Diabetes Treatment. <i>PLoS ONE</i> , 2016 , 11, e0149409	3.7	17
31	RSK2 represses HSF1 activation during heat shock. <i>Cell Stress and Chaperones</i> , 2000 , 5, 432-7	4	17
30	Stress-induced facilitation of host response to bacterial challenge in F344 rats is dependent on extracellular heat shock protein 72 and independent of alpha beta T cells. <i>Stress</i> , 2012 , 15, 637-46	3	15
29	HSP70 and heat shock factor 1 cooperate to repress Ras-induced transcriptional activation of the c-fos gene. <i>Cell Stress and Chaperones</i> , 2000 , 5, 406-11	4	15
28	SERPINE 1 Links Obesity and Diabetes: A Pilot Study. <i>Journal of Proteomics and Bioinformatics</i> , 2010 , 3, 191-199	2.1	15
27	Heat Shock Proteins and the Brain: Implications for Neurodegenerative Diseases and Neuroprotection 2008 ,		15
26	Extracellular Hsp70 Enhances Mesoangioblast Migration via an Autocrine Signaling Pathway. <i>Journal of Cellular Physiology</i> , 2017 , 232, 1845-1861	7	14
25	Positive or negative involvement of heat shock proteins in multiple sclerosis pathogenesis: an overview. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014 , 73, 1092-106	3.1	13
24	Natural immunity and chronic exercise in rats. The involvement of the spleen and the splenic nerves. <i>Life Sciences</i> , 1996 , 58, 2137-46	6.8	10
23	Heat Shock Proteins: Potent Mediators of Inflammation and Immunity 2007 ,		9
22	Rapid detection of thymidylate synthase gene expression levels by semi-quantitative competitive reverse transcriptase polymerase chain reaction followed by quantitative digital image analysis. <i>Tumor Biology</i> , 1996 , 17, 306-19	2.9	9
21	Combined lentiviral and RNAi technologies for the delivery and permanent silencing of the hsp25 gene. <i>Methods in Molecular Biology</i> , 2011 , 787, 121-36	1.4	8
20	Release of Heat Shock Proteins: Passive Versus Active Release Mechanisms 2007 , 3-20		7

19	Mutation detection in the human HSP70 gene by denaturing high-performance liquid chromatography. <i>Cell Stress and Chaperones</i> , 2000 , 5, 415-24	4	7
18	Heat Shock Proteins and Whole Body Physiology. <i>Heat Shock Proteins</i> , 2010 ,	0.2	3
17	Molecular Chaperones as Mediators of Stress Protective Effect of Plant Adaptogens. <i>Heat Shock Proteins</i> , 2010 , 351-364	0.2	3
16	The Chaperokine Activity of Heat Shock Proteins. <i>Heat Shock Proteins</i> , 2010 , 3-22	0.2	2
15	Internalization of exogenous ADP-ribosylation factor 6 (Arf6) proteins into cells. <i>Molecular and Cellular Biochemistry</i> , 2011 , 354, 291-9	4.2	2
14	Role of Heat Shock Proteins in Obesity and Type 2 Diabetes. <i>Heat Shock Proteins</i> , 2010 , 19-29	0.2	2
13	Role of Heat Shock Protein Hsp25/27 in the Metastatic Spread of Cancer Cells 2007 , 131-140		2
12	Heat Shock Proteins in Triple-Negative Breast Cancer (TNBC) Treatment. <i>Heat Shock Proteins</i> , 2015 , 129-149	1.4	1
11	Regulation of Signal Transduction by Intracellular and Extracellular Hsp70 2005 , 133-143		1
10	Heat Shock Proteins and Cancer. <i>Heat Shock Proteins</i> , 2010 , 121-134	0.2	1
9	Toll-Like Receptors and Infectious Diseases: Role of Heat Shock Proteins. <i>Heat Shock Proteins</i> , 2009 , 153-167	1.6	1
8	Nucleolin: A Novel Intracellular Transporter of HSPA1A. <i>Heat Shock Proteins</i> , 2012 , 115-124	0.2	
7	Heat Shock Proteins and Diarrhea Causing Microorganisms: Emergence of Enteropathogenic Escherichia coli. <i>Heat Shock Proteins</i> , 2010 , 163-175	0.2	
6	Silencing of Metastasis-associated Gene 1 (Mta1) Stimulates Hsp70 Cellular Release and Neurite extension in Neuroblastoma Cells 2008 , 273-282		
5	Serum Hsp70 Level as a Biomarker of Exceptional Longevity 2008 , 365-370		
4	Heat Shock Proteins in Multiple Sclerosis Pathogenesis: Friend or Foe?. <i>Heat Shock Proteins</i> , 2015 , 151-173	3.2	
3	Heat Shock Protein (HSP)-Based Immunotherapies. <i>Heat Shock Proteins</i> , 2010 , 135-149	0.2	
2	Quantitation of heat-shock proteins in clinical samples using mass spectrometry. <i>Methods in Molecular Biology</i> , 2011 , 787, 165-88	1.4	

1 The Chaperokine Activity of HSPA1A. *Heat Shock Proteins*, **2012**, 201-213

0.2