

# Alexzander A A Asea

## List of Publications by Year in descending order

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73  
papers

6,702  
citations

126907

33  
h-index

123424

61  
g-index

77  
all docs

77  
docs citations

77  
times ranked

7461  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | HSP70 stimulates cytokine production through a CD14-dependant pathway, demonstrating its dual role as a chaperone and cytokine. <i>Nature Medicine</i> , 2000, 6, 435-442.        | 30.7 | 1,497     |
| 2  | Novel Signal Transduction Pathway Utilized by Extracellular HSP70. <i>Journal of Biological Chemistry</i> , 2002, 277, 15028-15034.   | 3.4  | 1,370     |
| 3  | Heat Shock Protein 70 Surface-Positive Tumor Exosomes Stimulate Migratory and Cytolytic Activity of Natural Killer Cells. <i>Cancer Research</i> , 2005, 65, 5238-5247.           | 0.9  | 589       |
| 4  | Tumor-Derived Heat Shock Protein 70 Peptide Complexes Are Cross-Presented by Human Dendritic Cells. <i>Journal of Immunology</i> , 2002, 169, 5424-5432.                          | 0.8  | 255       |
| 5  | Alternative Mechanism by which IFN- $\gamma$ Enhances Tumor Recognition: Active Release of Heat Shock Protein 72. <i>Journal of Immunology</i> , 2005, 175, 2900-2912.            | 0.8  | 185       |
| 6  | Radiation-induced effects and the immune system in cancer. <i>Frontiers in Oncology</i> , 2012, 2, 191.   | 2.8  | 177       |
| 7  | 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. | 2.6  | 173       |
| 8  | Heat shock protein-containing exosomes in mid-trimester amniotic fluids. <i>Journal of Reproductive Immunology</i> , 2008, 79, 12-17.   | 1.9  | 165       |
| 9  | HSP70 peptide-bearing and peptide-negative preparations act as chaperokines. <i>Cell Stress and Chaperones</i> , 2000, 5, 425.  | 2.9  | 148       |
| 10 | Stress proteins and initiation of immune response: chaperokine activity of hsp72. <i>Exercise Immunology Review</i> , 2005, 11, 34-45.  | 0.4  | 132       |
| 11 | Heat Shock Proteins and Toll-Like Receptors. <i>Handbook of Experimental Pharmacology</i> , 2008, , 111-127.  | 1.8  | 128       |
| 12 | Stress-induced release of HSC70 from human tumors. <i>Cellular Immunology</i> , 2003, 222, 97-104.  | 3.0  | 124       |
| 13 | Surface Expression of Hsp25 and Hsp72 Differentially Regulates Tumor Growth and Metastasis. <i>Tumor Biology</i> , 2004, 25, 243-251.   | 1.8  | 93        |
| 14 | Chaperokine-induced signal transduction pathways. <i>Exercise Immunology Review</i> , 2003, 9, 25-33.   | 0.4  | 91        |
| 15 | Adaptogens exert a stress-protective effect by modulation of expression of molecular chaperones. <i>Phytomedicine</i> , 2009, 16, 617-622.  | 5.3  | 88        |
| 16 | Combined Hyperthermia and Radiotherapy for the Treatment of Cancer. <i>Cancers</i> , 2011, 3, 3799-3823.  | 3.7  | 88        |
| 17 | Mechanisms of HSP72 release. <i>Journal of Biosciences</i> , 2007, 32, 579-584.   | 1.1  | 81        |
| 18 | Radiation therapy induces circulating serum Hsp72 in patients with prostate cancer. <i>Radiotherapy and Oncology</i> , 2010, 95, 350-358.   | 0.6  | 78        |

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|----|--|-----|-----------|
| 19 | Tumor-Endothelial Cell Three-dimensional Spheroids: New Aspects to Enhance Radiation and Drug Therapeutics. <i>Translational Oncology</i> , 2011, 4, 365-373.  | 3.7 | 78        |
| 20 | 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, 700-706.  | 2.1 | 77        |
| 21 | Initiation of the Immune Response by Extracellular Hsp72: Chaperokine Activity of Hsp72. <i>Current Immunology Reviews</i> , 2006, 2, 209-215.   | 1.2 | 74        |
| 22 | Cardiovascular Disease Delay in Centenarian Offspring: Role of Heat Shock Proteins. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 502-505.   | 3.8 | 68        |
| 23 | Serum heat shock protein 70 level as a biomarker of exceptional longevity. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 862-868.   | 4.6 | 62        |
| 24 | <i>Petiveria alliacea</i> extracts uses multiple mechanisms to inhibit growth of human and mouse tumoral cells. <i>BMC Complementary and Alternative Medicine</i> , 2008, 8, 60.   | 3.7 | 55        |
| 25 | Adaptogens Stimulate Neuropeptide Y and Hsp72 Expression and Release in Neuroglia Cells. <i>Frontiers in Neuroscience</i> , 2012, 6, 6.  | 2.8 | 51        |
| 26 | Silencing the <i>hsp25</i> Gene Eliminates Migration Capability of the Highly Metastatic Murine 4T1 Breast Adenocarcinoma Cell. <i>Tumor Biology</i> , 2006, 27, 17-26.  | 1.8 | 50        |
| 27 | Major role of HSP70 as a paracrine inducer of cytokine production in human oxidized LDL treated macrophages. <i>Atherosclerosis</i> , 2006, 185, 32-38.  | 0.8 | 49        |
| 28 | Gallotannin-rich <i>Caesalpinia spinosa</i> 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.             | 3.7 | 47        |
| 29 | 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, 44539-44547. | 3.4 | 45        |
| 30 | 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, 221-230.   | 2.9 | 43        |
| 31 | Hsp70: A Chaperokine. <i>Novartis Foundation Symposium</i> , 2008, 291, 173-183.   | 1.1 | 42        |
| 32 | Sickle cell vaso-occlusive crisis induces the release of circulating serum heat shock protein-70. <i>American Journal of Hematology</i> , 2005, 78, 240-242.   | 4.1 | 41        |
| 33 | A <i>Petiveria alliacea</i> standardized fraction induces breast adenocarcinoma cell death by modulating glycolytic metabolism. <i>Journal of Ethnopharmacology</i> , 2014, 153, 641-649.  | 4.1 | 40        |
| 34 | Chaperokine Function of Recombinant Hsp72 Produced in Insect Cells Using a Baculovirus Expression System Is Retained. <i>Journal of Biological Chemistry</i> , 2010, 285, 349-356.   | 3.4 | 31        |
| 35 | Evaluation of molecular chaperons Hsp72 and neuropeptide Y as characteristic markers of adaptogenic activity of plant extracts. <i>Phytomedicine</i> , 2013, 20, 1323-1329.  | 5.3 | 31        |
| 36 | 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.  | 2.5 | 27        |

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|----|--|-----|-----------|
| 37 | Chronic intracerebroventricular administration of $\hat{\iota}^2$ -endorphin augments natural killer cell cytotoxicity in rats. <i>Regulatory Peptides</i> , 1996, 62, 113-118.  | 1.9 | 23        |
| 38 | RSK2 represses HSF1 activation during heat shock. <i>Cell Stress and Chaperones</i> , 2000, 5, 432.  | 2.9 | 23        |
| 39 | An Hsp70 peptide initiates NK cell killing of leukemic blasts after stem cell transplantation. <i>Leukemia Research</i> , 2008, 32, 527-534.   | 0.8 | 22        |
| 40 | SERPINE 1 Links Obesity and Diabetes: A Pilot Study. <i>Journal of Proteomics and Bioinformatics</i> , 2010, 03, 191-199.  | 0.4 | 20        |
| 41 | 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, 637-646.                             | 1.8 | 19        |
| 42 | Silencing <i>hsp25</i> / <i>hsp27</i> Gene Expression Augments Proteasome Activity and Increases CD8+ T-Cell-Mediated Tumor Killing and Memory Responses. <i>Cancer Prevention Research</i> , 2012, 5, 122-137.                            | 1.5 | 19        |
| 43 | Oral low-dose chemotherapy: Successful treatment of an alveolar rhabdomyosarcoma during pregnancy. <i>Pediatric Blood and Cancer</i> , 2012, 58, 104-106.  | 1.5 | 19        |
| 44 | Positive or Negative Involvement of Heat Shock Proteins in Multiple Sclerosis Pathogenesis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 1092-1106.   | 1.7 | 19        |
| 45 | Extracellular Hsp70 Enhances Mesoangioblast Migration via an Autocrine Signaling Pathway. <i>Journal of Cellular Physiology</i> , 2017, 232, 1845-1861.  | 4.1 | 19        |
| 46 | Heat Shock Proteins and the Brain: Implications for Neurodegenerative Diseases and Neuroprotection. , 2008, , .  |     | 18        |
| 47 | Heat Shock Proteins: Potent Mediators of Inflammation and Immunity. , 2007, , .  |     | 17        |
| 48 | 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.   | 2.9 | 17        |
| 49 | Natural immunity and chronic exercise in rats. The involvement of the spleen and the splenic nerves. <i>Life Sciences</i> , 1996, 58, 2137-2146.   | 4.3 | 11        |
| 50 | 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, 306-319. | 1.8 | 10        |
| 51 | Combined Lentiviral and RNAi Technologies for the Delivery and Permanent Silencing of the <i>hsp25</i> Gene. <i>Methods in Molecular Biology</i> , 2011, 787, 121-136.   | 0.9 | 9         |
| 52 | Release of Heat Shock Proteins: Passive Versus Active Release Mechanisms. , 2007, , 3-20.  |     | 8         |
| 53 | Mutation detection in the human HSP70B $\hat{\epsilon}^2$ gene by denaturing high-performance liquid chromatography. <i>Cell Stress and Chaperones</i> , 2000, 5, 415.   | 2.9 | 8         |
| 54 | Molecular Chaperones as Mediators of Stress Protective Effect of Plant Adaptogens. <i>Heat Shock Proteins</i> , 2010, , 351-364.   | 0.2 | 4         |

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|----|--|-----|-----------|
| 55 | Regulation of Signal Transduction by Intracellular and Extracellular Hsp70. , 2005, , 133-143.   |     | 3         |
| 56 | The Chaperokine Activity of Heat Shock Proteins. Heat Shock Proteins, 2019, , 3-22.  | 0.2 | 3         |
| 57 | Role of Heat Shock Protein Hsp25/27 in~the~Metastatic Spread of Cancer Cells. , 2007, , 131-140.   |     | 2         |
| 58 | Role of Heat Shock Proteins in Obesity and Type 2 Diabetes. Heat Shock Proteins, 2010, , 19-29.  | 0.2 | 2         |
| 59 | Internalization of exogenous ADP-ribosylation factor 6 (Arf6) proteins into cells. Molecular and Cellular Biochemistry, 2011, 354, 291-299.            | 3.1 | 2         |
| 60 | Heat Shock Proteins in Triple-Negative Breast Cancer (TNBC) Treatment. Heat Shock Proteins, 2015, , 129-149.   | 0.2 | 1         |
| 61 | Heat Shock Proteins and Cancer. Heat Shock Proteins, 2010, , 121-134.  | 0.2 | 1         |
| 62 | Toll-Like Receptors and Infectious Diseases: Role of Heat Shock Proteins. Heat Shock Proteins, 2009, , 153-167.  | 0.2 | 1         |
| 63 | Silencing of Metastasis-associated Gene 1 (Mta1) Stimulates Hsp70 Cellular Release and Neurite extension in Neuroblastoma Cells. , 2008, , 273-282.    |     | 0         |
| 64 | Heat Shock Proteins and Diarrhea Causing Microorganisms: Emergence of Enteroaggregative Escherichia coli. Heat Shock Proteins, 2010, , 163-175.        | 0.2 | 0         |
| 65 | Nucleolin: A Novel Intracellular Transporter of HSPA1A. Heat Shock Proteins, 2012, , 115-124.  | 0.2 | 0         |
| 66 | Heat Shock Protein (HSP) 72 Enters Early Endosomes Preparatory to Cell Release. Journal of Cell Science & Therapy, 2016, 07, .                         | 0.3 | 0         |
| 67 | Nucleolin Transports Hsp72 to the Plasma Membrane Preparatory to its Release into the Microenvironment. Journal of Cell Science & Therapy, 2016, 07, . | 0.3 | 0         |
| 68 | Heat shock proteins in physiology and pathology: The Berlin Meeting. Cell Stress and Chaperones, 2005, preprint, 1.                                    | 2.9 | 0         |
| 69 | Heat Shock Protein (HSP)-Based Immunotherapies. Heat Shock Proteins, 2010, , 135-149.  | 0.2 | 0         |
| 70 | Quantitation of Heat-Shock Proteins in Clinical Samples Using Mass Spectrometry. Methods in Molecular Biology, 2011, 787, 165-188.                     | 0.9 | 0         |
| 71 | The Chaperokine Activity of HSPA1A. Heat Shock Proteins, 2012, , 201-213.  | 0.2 | 0         |
| 72 | Heat Shock Proteins in Multiple Sclerosis Pathogenesis: Friend or Foe?. Heat Shock Proteins, 2015, , 151-173.  | 0.2 | 0         |

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|----|---|----|-----------|
| 73 | Serum Hsp70 Level as a Biomarker of Exceptional Longevity. , 2008, , 365-370. |    | 0         |