

# Antonella Marino Gammazza

## List of Publications by Citations

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77  
papers

1,984  
citations

30  
h-index

41  
g-index

85  
ext. papers

2,487  
ext. citations

4.8  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
77	Hsp60 chaperonopathies and chaperonotherapy: targets and agents. <i>Expert Opinion on Therapeutic Targets</i> , <b>2014</b> , 18, 185-208	6.4	103
76	Heat shock protein 60 levels in tissue and circulating exosomes in human large bowel cancer before and after ablative surgery. <i>Cancer</i> , <b>2015</b> , 121, 3230-9	6.4	98
75	Extracellular Vesicle-Mediated Cell-Cell Communication in the Nervous System: Focus on Neurological Diseases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	68
74	Heat Shock Proteins in Alzheimer's Disease: Role and Targeting. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	66
73	Molecular mimicry may explain multi-organ damage in COVID-19. <i>Autoimmunity Reviews</i> , <b>2020</b> , 19, 102591	5.6	60
72	Liraglutide reduces oxidative stress and restores heme oxygenase-1 and ghrelin levels in patients with type 2 diabetes: a prospective pilot study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 603-6	5.6	59
71	Hsp60 and heme oxygenase-1 (Hsp32) in acute myocardial infarction. <i>Translational Research</i> , <b>2011</b> , 157, 285-92	11	58
70	Silibinin improves hepatic and myocardial injury in mice with nonalcoholic steatohepatitis. <i>Digestive and Liver Disease</i> , <b>2012</b> , 44, 334-42	3.3	55
69	Is molecular mimicry the culprit in the autoimmune haemolytic anaemia affecting patients with COVID-19?. <i>British Journal of Haematology</i> , <b>2020</b> , 190, e92-e93	4.5	54
68	On the Choice of the Extracellular Vesicles for Therapeutic Purposes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	53
67	The histone deacetylase inhibitor SAHA induces HSP60 nitration and its extracellular release by exosomal vesicles in human lung-derived carcinoma cells. <i>Oncotarget</i> , <b>2016</b> , 7, 28849-67	3.3	49
66	Human molecular chaperones share with SARS-CoV-2 antigenic epitopes potentially capable of eliciting autoimmunity against endothelial cells: possible role of molecular mimicry in COVID-19. <i>Cell Stress and Chaperones</i> , <b>2020</b> , 25, 737-741	4	47
65	Skeletal muscle Heat shock protein 60 increases after endurance training and induces peroxisome proliferator-activated receptor gamma coactivator 1 $\alpha$ expression. <i>Scientific Reports</i> , <b>2016</b> , 6, 19781	4.9	46
64	Geldanamycin-induced osteosarcoma cell death is associated with hyperacetylation and loss of mitochondrial pool of heat shock protein 60 (hsp60). <i>PLoS ONE</i> , <b>2013</b> , 8, e71135	3.7	45
63	Elevated blood Hsp60, its structural similarities and cross-reactivity with thyroid molecules, and its presence on the plasma membrane of oncocytes point to the chaperonin as an immunopathogenic factor in Hashimoto's thyroiditis. <i>Cell Stress and Chaperones</i> , <b>2014</b> , 19, 343-53	4	43
62	Chaperonin of Group I: Oligomeric Spectrum and Biochemical and Biological Implications. <i>Frontiers in Molecular Biosciences</i> , <b>2017</b> , 4, 99	5.6	41
61	Doxorubicin anti-tumor mechanisms include Hsp60 post-translational modifications leading to the Hsp60/p53 complex dissociation and instauration of replicative senescence. <i>Cancer Letters</i> , <b>2017</b> , 385, 75-86	9.9	40

60	Hsp60 and Hsp10 increase in colon mucosa of Crohn's disease and ulcerative colitis. <i>Cell Stress and Chaperones</i> , <b>2010</b> , 15, 877-84	4	40
59	Human Hsp60 with its mitochondrial import signal occurs in solution as heptamers and tetradecamers remarkably stable over a wide range of concentrations. <i>PLoS ONE</i> , <b>2014</b> , 9, e97657	3.7	37
58	Heat-shock protein 60 kDa and atherogenic dyslipidemia in patients with untreated mild periodontitis: a pilot study. <i>Cell Stress and Chaperones</i> , <b>2012</b> , 17, 399-407	4	36
57	The long-term effects of probiotics in the therapy of ulcerative colitis: A clinical study. <i>Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia</i> , <b>2016</b> , 160, 372-7	1.7	36
56	The dissociation of the Hsp60/pro-Caspase-3 complex by bis(pyridyl)oxadiazole copper complex (CubipyOXA) leads to cell death in NCI-H292 cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 170, 8-16	4.2	35
55	Effects of Nandrolone Stimulation on Testosterone Biosynthesis in Leydig Cells. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 1385-91	7	34
54	Curcumin-like compounds designed to modify amyloid beta peptide aggregation patterns. <i>RSC Advances</i> , <b>2017</b> , 7, 31714-31724	3.7	33
53	Alcoholic Liver Disease: A Mouse Model Reveals Protection by <i>Lactobacillus fermentum</i> . <i>Clinical and Translational Gastroenterology</i> , <b>2016</b> , 7, e138	4.2	33
52	Role(s) of the 5-HT <sub>2C</sub> receptor in the development of maximal dentate activation in the hippocampus of anesthetized rats. <i>CNS Neuroscience and Therapeutics</i> , <b>2014</b> , 20, 651-61	6.8	33
51	Endurance exercise and conjugated linoleic acid (CLA) supplementation up-regulate CYP17A1 and stimulate testosterone biosynthesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e79686	3.7	33
50	The molecular anatomy of human Hsp60 and its similarity with that of bacterial orthologs and acetylcholine receptor reveal a potential pathogenetic role of anti-chaperonin immunity in myasthenia gravis. <i>Cellular and Molecular Neurobiology</i> , <b>2012</b> , 32, 943-7	4.6	32
49	Alzheimer's Disease and Molecular Chaperones: Current Knowledge and the Future of Chaperonotherapy. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 4040-9	3.3	32
48	Exosomal Heat Shock Proteins as New Players in Tumour Cell-to-Cell Communication. <i>Journal of Circulating Biomarkers</i> , <b>2014</b> , 3, 4	3.3	30
47	Quantitative patterns of Hsps in tubular adenoma compared with normal and tumor tissues reveal the value of Hsp10 and Hsp60 in early diagnosis of large bowel cancer. <i>Cell Stress and Chaperones</i> , <b>2016</b> , 21, 927-33	4	29
46	Gut microbiota imbalance and chaperoning system malfunction are central to ulcerative colitis pathogenesis and can be counteracted with specifically designed probiotics: a working hypothesis. <i>Medical Microbiology and Immunology</i> , <b>2013</b> , 202, 393-406	4	29
45	Changes in immunohistochemical levels and subcellular localization after therapy and correlation and colocalization with CD68 suggest a pathogenetic role of Hsp60 in ulcerative colitis. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2011</b> , 19, 552-61	1.9	28
44	Exosomal Chaperones and miRNAs in Gliomagenesis: State-of-Art and Theranostics Perspectives. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	28
43	Hsp60 Post-translational Modifications: Functional and Pathological Consequences. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 95	5.6	27

42	Does SARS-CoV-2 Trigger Stress-Induced Autoimmunity by Molecular Mimicry? A Hypothesis. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	26
41	Ethanol-Mediated Stress Promotes Autophagic Survival and Aggressiveness of Colon Cancer Cells via Activation of Nrf2/HO-1 Pathway. <i>Cancers</i> , <b>2019</b> , 11,	6.6	24
40	Immunomorphological Pattern of Molecular Chaperones in Normal and Pathological Thyroid Tissues and Circulating Exosomes: Potential Use in Clinics. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	23
39	Hsp60 and human aging: Les liaisons dangereuses. <i>Frontiers in Bioscience - Landmark</i> , <b>2013</b> , 18, 626-37	2.8	22
38	Hsp60 response in experimental and human temporal lobe epilepsy. <i>Scientific Reports</i> , <b>2015</b> , 5, 9434	4.9	20
37	OPLA scaffold, collagen I, and horse serum induce a higher degree of myogenic differentiation of adult rat cardiac stem cells. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 221, 729-39	7	20
36	Cardiac stem cell research: an elephant in the room?. <i>Anatomical Record</i> , <b>2009</b> , 292, 449-54	2.1	19
35	Comparative analysis of Hsp10 and Hsp90 expression in healthy mucosa and adenocarcinoma of the large bowel. <i>Anticancer Research</i> , <b>2014</b> , 34, 4153-9	2.3	18
34	Nandrolone decanoate interferes with testosterone biosynthesis altering blood-testis barrier components. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 1636-1647	5.6	17
33	Effects of Conjugated Linoleic Acid Associated With Endurance Exercise on Muscle Fibres and Peroxisome Proliferator-Activated Receptor $\alpha$ Coactivator 1 Isoforms. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 1086-1094	7	17
32	Extracellular Vesicles-Based Drug Delivery Systems: A New Challenge and the Exemplum of Malignant Pleural Mesothelioma. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	17
31	Hsp60 and AChR cross-reactivity in myasthenia gravis: An update. <i>Journal of the Neurological Sciences</i> , <b>2010</b> , 292, 117-8	3.2	16
30	Effect of conjugated linoleic acid on testosterone levels in vitro and in vivo after an acute bout of resistance exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 1667-74	3.2	15
29	Hsp60 in Skeletal Muscle Fiber Biogenesis and Homeostasis: From Physical Exercise to Skeletal Muscle Pathology. <i>Cells</i> , <b>2018</b> , 7,	7.9	15
28	Cigarette smoke causes caspase-independent apoptosis of bronchial epithelial cells from asthmatic donors. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120510	3.7	14
27	DNA strand breaks induced by nuclear hijacking of neuronal NOS as an anti-cancer effect of 2-methoxyestradiol. <i>Oncotarget</i> , <b>2015</b> , 6, 15449-63	3.3	14
26	Effects of conjugated linoleic acid and endurance training on peripheral blood and bone marrow of trained mice. <i>Journal of Strength and Conditioning Research</i> , <b>2007</b> , 21, 193-8	3.2	12
25	The Role of Molecular Chaperones in Virus Infection and Implications for Understanding and Treating COVID-19. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	12

24	Oxidative stress markers at birth: Analyses of a neonatal population. <i>Acta Histochemica</i> , <b>2015</b> , 117, 486-91		11
23	Curcumin Affects HSP60 Folding Activity and Levels in Neuroblastoma Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
22	Medium-term culture of normal human oral mucosa: a novel three-dimensional model to study the effectiveness of drugs administration. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 5421-30	3.3	10
21	Molecular mimicry in the post-COVID-19 signs and symptoms of neurovegetative disorders?. <i>Lancet Microbe, The</i> , <b>2021</b> , 2, e94	22.2	9
20	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	9
19	Data mining-based statistical analysis of biological data uncovers hidden significance: clustering Hashimoto's thyroiditis patients based on the response of their PBMC with IL-2 and IFN- $\beta$ secretion to stimulation with Hsp60. <i>Cell Stress and Chaperones</i> , <b>2015</b> , 20, 391-5	4	7
18	Lipid chaperones and associated diseases: a group of chaperonopathies defining a new nosological entity with implications for medical research and practice. <i>Cell Stress and Chaperones</i> , <b>2020</b> , 25, 805-820	4	7
17	Medium-term culture of primary oral squamous cell carcinoma in a three-dimensional model: effects on cell survival following topical 5-fluorouracil delivery by drug-loaded matrix tablets. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 5411-20	3.3	6
16	Chaperonotherapy for Alzheimer's Disease: Focusing on HSP60. <i>Heat Shock Proteins</i> , <b>2015</b> , 51-76	0.2	4
15	Functions and Therapeutic Potential of Extracellular Hsp60, Hsp70, and Hsp90 in Neuroinflammatory Disorders. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 736	2.6	3
14	Circulating Molecular Chaperones in Subjects with Amnesic Mild Cognitive Impairment and Alzheimer's Disease: Data from the Zabing Aging Project. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> ,	4.3	3
13	2-Methoxyestradiol and Its Combination with a Natural Compound, Ferulic Acid, Induces Melanoma Cell Death via Downregulation of Hsp60 and Hsp90. <i>Journal of Oncology</i> , <b>2019</b> , 2019, 9293416	4.5	2
12	Morphological Alterations and Stress Protein Variations in Lung Biopsies Obtained from Autopsies of COVID-19 Subjects. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
11	Lateral Habenula 5-HT Receptor Function Is Altered by Acute and Chronic Nicotine Exposures. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
10	Sex-based differences after a single bout of exercise on PGC1 $\alpha$ isoforms in skeletal muscle: A pilot study. <i>FASEB Journal</i> , <b>2021</b> , 35, e21328	0.9	2
9	Brain Tumor-Derived Extracellular Vesicles as Carriers of Disease Markers: Molecular Chaperones and MicroRNAs. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6961	2.6	1
8	Myelin Pathology: Involvement of Molecular Chaperones and the Promise of Chaperonotherapy. <i>Brain Sciences</i> , <b>2019</b> , 9,	3.4	1
7	Nicotine modulation of the lateral habenula/ventral tegmental area circuit dynamics: An electrophysiological study in rats. <i>Neuropharmacology</i> , <b>2022</b> , 202, 108859	5.5	1

6	Missense Mutations of Human Hsp60: A Computational Analysis to Unveil Their Pathological Significance. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 969	4.5	1
5	JNK pathway and heat shock response mediate the survival of C26 colon carcinoma bearing mice fed with the mushroom <i>Pleurotus eryngii</i> var. <i>eryngii</i> without affecting tumor growth or cachexia. <i>Food and Function</i> , <b>2021</b> , 12, 3083-3095	6.1	1
4	Hsp60 in Inflammatory Disorders. <i>Heat Shock Proteins</i> , <b>2019</b> , 167-178	0.2	0
3	Extracellular Chaperones as Novel Biomarkers of Overall Cancer Progression and Efficacy of Anticancer Therapy. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6009	2.6	0
2	Hsp60 Friend and Foe of the Nervous System. <i>Heat Shock Proteins</i> , <b>2019</b> , 3-21	0.2	
1	Extracorporeal Shock Waves Increase Markers of Cellular Proliferation in Bronchial Epithelium and in Primary Bronchial Fibroblasts of COPD Patients. <i>Canadian Respiratory Journal</i> , <b>2020</b> , 2020, 1524716	2.1	