

Everly Conway de Macario

List of Publications by Year in descending order

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77
papers

2,948
citations

172457
29
h-index

168389
53
g-index

77
all docs

77
docs citations

77
times ranked

3086
citing authors

#	ARTICLE	IF	CITATIONS
1	Sick Chaperones, Cellular Stress, and Disease. <i>New England Journal of Medicine</i> , 2005, 353, 1489-1501.	27.0	364
2	Hsp60 expression, new locations, functions, and perspectives for cancer diagnosis and therapy. <i>Cancer Biology and Therapy</i> , 2008, 7, 801-809.	3.4	230
3	Stress Genes and Proteins in the Archaea. <i>Microbiology and Molecular Biology Reviews</i> , 1999, 63, 923-967.	6.6	188
4	Hsp60 chaperonopathies and chaperonotherapy: targets and agents. <i>Expert Opinion on Therapeutic Targets</i> , 2014, 18, 185-208.	3.4	122
5	Extracellular Vesicle-Mediated Cell-Cell Communication in the Nervous System: Focus on Neurological Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 434.	4.1	112
6	<i>Chlamydia trachomatis</i> Infection and Anti-Hsp60 Immunity: The Two Sides of the Coin. <i>PLoS Pathogens</i> , 2009, 5, e1000552.	4.7	96
7	Molecular mimicry may explain multi-organ damage in COVID-19. <i>Autoimmunity Reviews</i> , 2020, 19, 102591.	5.8	95
8	Is molecular mimicry the culprit in the autoimmune haemolytic anaemia affecting patients with COVID-19?. <i>British Journal of Haematology</i> , 2020, 190, e92-e93.	2.5	91
9	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> , 2020, 25, 737-741.	2.9	85
10	Hsp60 Post-translational Modifications: Functional and Pathological Consequences. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 95.	3.5	77
11	Exosomal HSP60: a potentially useful biomarker for diagnosis, assessing prognosis, and monitoring response to treatment. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 815-822.	3.1	74
12	Skeletal muscle Heat shock protein 60 increases after endurance training and induces peroxisome proliferator-activated receptor gamma coactivator 1 β expression. <i>Scientific Reports</i> , 2016, 6, 19781.	3.3	67
13	Chaperonopathies by Defect, Excess, or Mistake. <i>Annals of the New York Academy of Sciences</i> , 2007, 1113, 178-191.	3.8	60
14	The histone deacetylase inhibitor SAHA induces HSP60 nitration and its extracellular release by exosomal vesicles in human lung-derived carcinoma cells. <i>Oncotarget</i> , 2016, 7, 28849-28867.	1.8	56
15	Chaperonopathies and chaperonotherapy. <i>FEBS Letters</i> , 2007, 581, 3681-3688.	2.8	55
16	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> , 2014, 19, 343-353.	2.9	54
17	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> , 2017, 385, 75-86.	7.2	54
18	Chaperonin of Group I: Oligomeric Spectrum and Biochemical and Biological Implications. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 99.	3.5	54

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19	Heat-shock protein 60 kDa and atherogenic dyslipidemia in patients with untreated mild periodontitis: a pilot study. <i>Cell Stress and Chaperones</i> , 2012, 17, 399-407.	2.9	49
20	Alcoholic Liver Disease: A Mouse Model Reveals Protection by <i>Lactobacillus fermentum</i> . <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e138.	2.5	49
21	Evolution of assisted protein folding: the distribution of the main chaperoning systems within the phylogenetic domain archaea. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 1318.	3.0	48
22	Chaperonopathies of senescence and the scrambling of interactions between the chaperoning and the immune systems. <i>Annals of the New York Academy of Sciences</i> , 2010, 1197, 85-93.	3.8	48
23	Hsp60 and Hsp10 increase in colon mucosa of Crohn's disease and ulcerative colitis. <i>Cell Stress and Chaperones</i> , 2010, 15, 877-884.	2.9	47
24	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> , 2014, 9, e97657.	2.5	46
25	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> , 2012, 32, 943-947.	3.3	42
26	The dissociation of the Hsp60/pro-Caspase-3 complex by bis(pyridyl)oxadiazole copper complex () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 8-16.	3.5	40
27	Alzheimer's Disease and Molecular Chaperones: Current Knowledge and the Future of Chaperonotherapy. <i>Current Pharmaceutical Design</i> , 2016, 22, 4040-4049.	1.9	40
28	Does SARS-CoV-2 Trigger Stress-Induced Autoimmunity by Molecular Mimicry? A Hypothesis. <i>Journal of Clinical Medicine</i> , 2020, 9, 2038.	2.4	39
29	Exosomal Chaperones and miRNAs in Gliomagenesis: State-of-Art and Theranostics Perspectives. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2626.	4.1	34
30	Chaperonin genes on the rise: new divergent classes and intense duplication in human and other vertebrate genomes. <i>BMC Evolutionary Biology</i> , 2010, 10, 64.	3.2	30
31	Hsp60 response in experimental and human temporal lobe epilepsy. <i>Scientific Reports</i> , 2015, 5, 9434.	3.3	30
32	The Role of Molecular Chaperones in Virus Infection and Implications for Understanding and Treating COVID-19. <i>Journal of Clinical Medicine</i> , 2020, 9, 3518.	2.4	30
33	HSP60 activity on human bronchial epithelial cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2017, 30, 333-340.	2.1	29
34	The Chaperonopathies. <i>SpringerBriefs in Biochemistry and Molecular Biology</i> , 2013, , .	0.3	26
35	Hsp60 molecular anatomy and role in colorectal cancer diagnosis and treatment. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 341-351.	2.1	25
36	Prokaryotic Chaperonins as Experimental Models for Elucidating Structure-Function Abnormalities of Human Pathogenic Mutant Counterparts. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 84.	3.5	24

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37	Hsp60 as a Novel Target in IBD Management: A Prospect. <i>Frontiers in Pharmacology</i> , 2019, 10, 26.	3.5	23
38	Molecular mechanisms in chaperonopathies: clues to understanding the histopathological abnormalities and developing novel therapies. <i>Journal of Pathology</i> , 2020, 250, 9-18.	4.5	20
39	Chaperonins in cancer: Expression, function, and migration in extracellular vesicles. <i>Seminars in Cancer Biology</i> , 2021, , .	9.6	20
40	Hsp60 and AChR cross-reactivity in myasthenia gravis: An update. <i>Journal of the Neurological Sciences</i> , 2010, 292, 117-118.	0.6	19
41	A human CCT5 gene mutation causing distal neuropathy impairs hexadecamer assembly in an archaeal model. <i>Scientific Reports</i> , 2014, 4, 6688.	3.3	19
42	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> , 2020, 25, 805-820.	2.9	17
43	The Chaperone System in Breast Cancer: Roles and Therapeutic Prospects of the Molecular Chaperones Hsp27, Hsp60, Hsp70, and Hsp90. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7792.	4.1	16
44	Novel Chaperonins in a Prokaryote. <i>Journal of Molecular Evolution</i> , 2005, 60, 409-416.	1.8	14
45	Hsp10 nuclear localization and changes in lung cells response to cigarette smoke suggest novel roles for this chaperonin. <i>Open Biology</i> , 2014, 4, 140125.	3.6	14
46	Chaperonology: The Third Eye on Brain Gliomas. <i>Brain Sciences</i> , 2018, 8, 110.	2.3	14
47	Functions and Therapeutic Potential of Extracellular Hsp60, Hsp70, and Hsp90 in Neuroinflammatory Disorders. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 736.	2.5	14
48	The Triad Hsp60-miRNAs-Extracellular Vesicles in Brain Tumors: Assessing Its Components for Understanding Tumorigenesis and Monitoring Patients. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2867.	2.5	12
49	Molecular chaperones in tumors of salivary glands. <i>Journal of Molecular Histology</i> , 2020, 51, 109-115.	2.2	11
50	Myelin Pathology: Involvement of Molecular Chaperones and the Promise of Chaperonotherapy. <i>Brain Sciences</i> , 2019, 9, 297.	2.3	10
51	The Neurochaperonopathies: Anomalies of the Chaperone System with Pathogenic Effects in Neurodegenerative and Neuromuscular Disorders. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 898.	2.5	9
52	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- γ secretion to stimulation with Hsp60. <i>Cell Stress and Chaperones</i> , 2015, 20, 391-395.	2.9	8
53	Zebrafish as a Model for the Study of Chaperonopathies. <i>Journal of Cellular Physiology</i> , 2016, 231, 2107-2114.	4.1	8
54	A Novel CCT5 Missense Variant Associated with Early Onset Motor Neuropathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7631.	4.1	8

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55	Molecular Chaperones and Thyroid Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4196.	4.1	7
56	SARS-CoV-2 in patients with cancer: possible role of mimicry of human molecules by viral proteins and the resulting anti-cancer immunity. <i>Cell Stress and Chaperones</i> , 2021, 26, 611-616.	2.9	7
57	Hsp27 and Hsp60 in human submandibular salivary gland: Quantitative patterns in healthy and cancerous tissues with potential implications for differential diagnosis and carcinogenesis. <i>Acta Histochemica</i> , 2021, 123, 151771.	1.8	7
58	CD1A-positive cells and HSP60 (HSPD1) levels in keratoacanthoma and squamous cell carcinoma. <i>Cell Stress and Chaperones</i> , 2016, 21, 131-137.	2.9	6
59	Chaperone Proteins and Chaperonopathies. , 2019, , 135-152.		6
60	Quantitative analysis of the impact of a human pathogenic mutation on the CCT5 chaperonin subunit using a proxy archaeal ortholog. <i>Biochemistry and Biophysics Reports</i> , 2017, 12, 66-71.	1.3	5
61	Circulating Molecular Chaperones in Subjects with Amnestic Mild Cognitive Impairment and Alzheimer's Disease: Data from the Zábát Aging Project. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 161-172.	2.6	5
62	Bridging human chaperonopathies and microbial chaperonins. <i>Communications Biology</i> , 2019, 2, 103.	4.4	5
63	Molecular Chaperones and miRNAs in Epilepsy: Pathogenic Implications and Therapeutic Prospects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8601.	4.1	5
64	The Challenging Riddle about the Janus-Type Role of Hsp60 and Related Extracellular Vesicles and miRNAs in Carcinogenesis and the Promises of Its Solution. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1175.	2.5	5
65	The chaperone system in glioblastoma multiforme and derived cell lines: diagnostic and mechanistic implications. <i>Frontiers in Bioscience</i> , 2022, 27, 097.	2.1	5
66	Muscle Histopathological Abnormalities in a Patient With a CCT5 Mutation Predicted to Affect the Apical Domain of the Chaperonin Subunit. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	3.5	5
67	Brain Tumor-Derived Extracellular Vesicles as Carriers of Disease Markers: Molecular Chaperones and MicroRNAs. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6961.	2.5	4
68	Chaperonin Hsp60 and Cancer Therapies. <i>Heat Shock Proteins</i> , 2020, , 31-52.	0.2	3
69	Editorial: Pathologic Conditions of the Human Nervous and Muscular Systems Associated with Mutant Chaperones: Molecular and Mechanistic Aspects. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 14.	3.5	2
70	Missense Mutations of Human Hsp60: A Computational Analysis to Unveil Their Pathological Significance. <i>Frontiers in Genetics</i> , 2020, 11, 969.	2.3	2
71	A Multipronged Method for Unveiling Subtle Structural/Functional Defects of Mutant Chaperone Molecules Causing Human Chaperonopathies. <i>Methods in Molecular Biology</i> , 2019, 1873, 69-92.	0.9	1
72	Role of Molecular Chaperones in Carcinogenesis: Mechanism, Diagnosis, and Treatment. <i>Journal of Oncology</i> , 2020, 2020, 1-2.	1.3	1

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73	Hsp60 Quantification in Human Gastric Mucosa Shows Differences between Pathologies with Various Degrees of Proliferation and Malignancy Grade. Applied Sciences (Switzerland), 2021, 11, 3582.	2.5	1
74	Unexpected tumor reduction in metastatic colorectal cancer patients during SARS-Cov-2 infection: effect of ACE-2 expression on tumor cells or molecular mimicry phenomena? Two not mutually exclusive hypotheses. Therapeutic Advances in Medical Oncology, 2021, 13, 175883592110278.	3.2	0
75	Distribution of mitochondrial chaperonins in lung cells. FASEB Journal, 2011, 25, 876.2.	0.5	0
76	Distinctive patterns of Hsp60 levels and localization in human colon mucosa. FASEB Journal, 2011, 25, 870.4.	0.5	0
77	Role of chaperones in healthy bowel and IBD. FASEB Journal, 2015, 29, 350.2.	0.5	0