

Irwin K Cheah

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,055
citations

279798

23
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Ergothioneine; antioxidant potential, physiological function and role in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 784-793.	3.8	330
2	Ergothioneine – a diet-derived antioxidant with therapeutic potential. <i>FEBS Letters</i> , 2018, 592, 3357-3366.	2.8	184
3	The mitochondria-targeted antioxidant MitoQ extends lifespan and improves healthspan of a transgenic <i>Caenorhabditis elegans</i> model of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014, 71, 390-401.	2.9	130
4	Administration of Pure Ergothioneine to Healthy Human Subjects: Uptake, Metabolism, and Effects on Biomarkers of Oxidative Damage and Inflammation. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 193-206.	5.4	114
5	Mitochondria-targeted antioxidants and metabolic modulators as pharmacological interventions to slow ageing. <i>Biotechnology Advances</i> , 2013, 31, 563-592.	11.7	107
6	Ergothioneine levels in an elderly population decrease with age and incidence of cognitive decline; a risk factor for neurodegeneration?. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 162-167.	2.1	94
7	Ageing in nematodes: do antioxidants extend lifespan in <i>Caenorhabditis elegans</i> ?. <i>Biogerontology</i> , 2010, 11, 17-30.	3.9	92
8	Antisense peptide nucleic acid-mediated knockdown of the p75 neurotrophin receptor delays motor neuron disease in mutant SOD1 transgenic mice. <i>Journal of Neurochemistry</i> , 2003, 87, 752-763.	3.9	91
9	Ergothioneine, an adaptive antioxidant for the protection of injured tissues? A hypothesis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 245-250.	2.1	89
10	Distribution and accumulation of dietary ergothioneine and its metabolites in mouse tissues. <i>Scientific Reports</i> , 2018, 8, 1601.	3.3	88
11	Ergothioneine, recent developments. <i>Redox Biology</i> , 2021, 42, 101868.	9.0	85
12	Antisense peptide nucleic acid targeting GluR3 delays disease onset and progression in the SOD1 G93A mouse model of familial ALS. <i>Journal of Neuroscience Research</i> , 2004, 77, 573-582.	2.9	59
13	The Association between Mushroom Consumption and Mild Cognitive Impairment: A Community-Based Cross-Sectional Study in Singapore. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 197-203.	2.6	58
14	Mindfulness improves inflammatory biomarker levels in older adults with mild cognitive impairment: a randomized controlled trial. <i>Translational Psychiatry</i> , 2020, 10, 21.	4.8	53
15	Liver ergothioneine accumulation in a guinea pig model of non-alcoholic fatty liver disease. A possible mechanism of defence?. <i>Free Radical Research</i> , 2016, 50, 14-25.	3.3	50
16	Could Ergothioneine Aid in the Treatment of Coronavirus Patients?. <i>Antioxidants</i> , 2020, 9, 595.	5.1	45
17	Knockout of a putative ergothioneine transporter in <i>Caenorhabditis elegans</i> decreases lifespan and increases susceptibility to oxidative damage. <i>Free Radical Research</i> , 2013, 47, 1036-1045.	3.3	39
18	Effect of Ergothioneine on 7-Ketocholesterol-Induced Endothelial Injury. <i>NeuroMolecular Medicine</i> , 2021, 23, 184-198.	3.4	35

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19	High fat diets and pathology in the guinea pig. Atherosclerosis or liver damage?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 355-364.	3.8	32
20	Effects of Antimalarial Drugs on Neuroinflammation-Potential Use for Treatment of COVID-19-Related Neurologic Complications. <i>Molecular Neurobiology</i> , 2021, 58, 106-117.	4.0	32
21	Low plasma ergothioneine levels are associated with neurodegeneration and cerebrovascular disease in dementia. <i>Free Radical Biology and Medicine</i> , 2021, 177, 201-211.	2.9	32
22	Inhibition of amyloid β -induced toxicity by ergothioneine in a transgenic <i>Caenorhabditis elegans</i> model. <i>FEBS Letters</i> , 2019, 593, 2139-2150.	2.8	31
23	Specificity of the ergothioneine transporter natively expressed in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 22-27.	2.1	26
24	Mindfulness intervention for mild cognitive impairment led to attention-related improvements and neuroplastic changes: Results from a 9-month randomized control trial. <i>Journal of Psychiatric Research</i> , 2021, 135, 203-211.	3.1	26
25	A high-fat and cholesterol diet causes fatty liver in guinea pigs. The role of iron and oxidative damage. <i>Free Radical Research</i> , 2013, 47, 602-613.	3.3	19
26	The proteobacterial species <i>Burkholderia pseudomallei</i> produces ergothioneine, which enhances virulence in mammalian infection. <i>FASEB Journal</i> , 2018, 32, 6395-6409.	0.5	19
27	Concept Transfer ² From Genetic Instruction to Molecular Logic. <i>Supramolecular Chemistry</i> , 2005, 17, 121-128.	1.2	16
28	<i>Notopterygium forbesii</i> Boiss Extract and Its Active Constituent Phenethyl Ferulate Attenuate Pro-Inflammatory Responses to Lipopolysaccharide in RAW 264.7 Macrophages. A α Protective β Role for Oxidative Stress?. <i>Chemical Research in Toxicology</i> , 2009, 22, 1473-1482.	3.3	15
29	Study Protocol for a Randomized Controlled Trial of Choral Singing Intervention to Prevent Cognitive Decline in At-Risk Older Adults Living in the Community. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 195.	3.4	11
30	Effects of choral singing versus health education on cognitive decline and aging: a randomized controlled trial. <i>Aging</i> , 2020, 12, 24798-24816.	3.1	11
31	Ergothioneine, where are we now?. <i>FEBS Letters</i> , 2022, 596, 1227-1230.	2.8	9
32	Does <i>Lactobacillus reuteri</i> influence ergothioneine levels in the human body?. <i>FEBS Letters</i> , 2022, 596, 1241-1251.	2.8	7
33	Mindfulness Awareness Practice (MAP) to Prevent Dementia in Older Adults with Mild Cognitive Impairment: Protocol of a Randomized Controlled Trial and Implementation Outcomes. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10205.	2.6	6
34	Cohort profile: the Diet and Healthy Aging (DaHA) study in Singapore. <i>Aging</i> , 2020, 12, 23889-23899.	3.1	6
35	Design and application of a peptide nucleic acid sequence targeting the p75 neurotrophin receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2377-2380.	2.2	5
36	P4 α 373: Mindful Awareness Practice (MAP) to Improve the Cognition of Singaporean Elderly with Mild Cognitive Impairment (MCI): a Randomized Controlled Trial (RCT). <i>Alzheimer's and Dementia</i> , 2016, 12, P1180.	0.8	4

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37	Dataset on gene expression in the elderly after Mindfulness Awareness Practice or Health Education Program. Data in Brief, 2018, 18, 902-912.	1.0	4
38	Association of ergothioneine with neurodegeneration and cerebrovascular disease in cognitive impairment and dementia. Alzheimer's and Dementia, 2021, 17, .	0.8	0
39	Potential health benefits of the nutrient, ergothioneine. Free Radical Biology and Medicine, 2021, 177, S114-S115.	2.9	0