Tiziana Casoli

List of Publications by Year in descending order

79 papers	1,651 citations	304368 22 h-index	329751 37 g-index
80 all docs	80 docs citations	80 times ranked	2298 citing authors

#	Article	IF	Citations
1	One-month strawberry-rich anthocyanin supplementation ameliorates cardiovascular risk, oxidative stress markers and platelet activation in humans. Journal of Nutritional Biochemistry, 2014, 25, 289-294.	1.9	286
2	Morphological adaptive response of the synaptic junctional zones in the human dentate gyrus during aging and Alzheimer's disease. Brain Research, 1990, 517, 69-75.	1.1	116
3	Morphological plasticity of synaptic mitochondria during aging. Brain Research, 1993, 628, 193-200.	1.1	91
4	Release of beta-Amyloid from High-Density Platelets: Implications for Alzheimer's Disease Pathology. Annals of the New York Academy of Sciences, 2007, 1096, 170-178.	1.8	58
5	Peripheral inflammatory biomarkers of Alzheimerâ€™s disease: the role of platelets. Biogerontology, 2010, 11, 627-633.	2.0	58
6	Distribution of MAP2 in Hippocampus and Cerebellum of Young and Old Rats by Quantitative Immunohistochemistry. Journal of Histochemistry and Cytochemistry, 2001, 49, 1065-1066.	1.3	52
7	A ketogenic diet increases succinic dehydrogenase (SDH) activity and recovers age-related decrease in numeric density of SDH-positive mitochondria in cerebellar Purkinje cells of late-adult rats. Micron, 2010, 41, 143-148.	1.1	45
8	Neuronal plasticity in aging: a quantitative immunohistochemical study of GAP-43 distribution in discrete regions of the rat brain. Brain Research, 1996, 714, 111-117.	1.1	43
9	Early Selective Vulnerability of Synapses and Synaptic Mitochondria in the Hippocampal CA1 Region of the Tg2576 Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 34, 887-896.	1.2	42
10	Ketogenic diets: An historical antiepileptic therapy with promising potentialities for the aging brain. Ageing Research Reviews, 2010, 9, 273-279.	5.0	38
11	Ketogenic Diets Cause Opposing Changes in Synaptic Morphology in CA1 Hippocampus and Dentate Gyrus of Late-Adult Rats. Rejuvenation Research, 2008, 11, 631-640.	0.9	33
12	A Ketogenic Diet Increases Succinic Dehydrogenase Activity in Aging Cardiomyocytes. Annals of the New York Academy of Sciences, 2009, 1171, 377-384.	1.8	32
13	The effect of astaxanthin on the aging ratÂbrain: genderâ€related differences inÂmodulating inflammation. Journal of the Science of Food and Agriculture, 2016, 96, 615-618.	1.7	31
14	Impairments of Synaptic Plasticity in Aged Animals and in Animal Models of Alzheimer's Disease. Rejuvenation Research, 2012, 15, 235-238.	0.9	30
15	Synaptic and mitochondrial physiopathologic changes in the aging nervous system and the role of zinc ion homeostasis. Mechanisms of Ageing and Development, 2006, 127, 590-596.	2.2	29
16	Neuronal Death versus Synaptic Pathology in Alzheimer's Disease. Annals of the New York Academy of Sciences, 2003, 1010, 635-638.	1.8	27
17	Role of diffuse low-level heteroplasmy of mitochondrial DNA in Alzheimerâ€™s disease neurodegeneration. Frontiers in Aging Neuroscience, 2015, 7, 142.	1.7	26
18	Brain aging: The zinc connection. Experimental Gerontology, 2008, 43, 389-393.	1.2	24

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19	Platelet as a physiological model to investigate apoptotic mechanisms in Alzheimer Î²-amyloid peptide production. Mechanisms of Ageing and Development, 2008, 129, 154-162.	2.2	24
20	Synaptic Remodeling in Hippocampal CA1 Region of Aged Rats Correlates with Better Memory Performance in Passive Avoidance Test. Rejuvenation Research, 2008, 11, 341-348.	0.9	24
21	Metallothionein isoforms (I+II and III) and interleukin-6 in the hippocampus of old rats: may their concomitant increments lead to neurodegeneration?. Brain Research Bulletin, 2004, 63, 133-142.	1.4	23
22	My Mind Project: the effects of cognitive training for elderlyâ€"the study protocol of a prospective randomized intervention study. Aging Clinical and Experimental Research, 2017, 29, 353-360.	1.4	23
23	Early Impairment of Long-Term Depression in the Perirhinal Cortex of a Mouse Model of Alzheimer's Disease. Rejuvenation Research, 2012, 15, 231-234.	0.9	21
24	Diagnostic performance of new and classic CSF biomarkers in age-related dementias. Aging, 2019, 11, 2420-2429.	1.4	20
25	Cytochrome Oxidase Activity in Hippocampal Synaptic Mitochondria during Aging: A Quantitative Cytochemical Investigation. Annals of the New York Academy of Sciences, 2004, 1019, 33-36.	1.8	18
26	Decreased Presence of Perforated Synapses in a Triple-Transgenic Mouse Model of Alzheimer's Disease. Rejuvenation Research, 2008, 11, 309-313.	0.9	18
27	Dynamic morphology of the synaptic junctional areas during aging: the effect of chronic acetyl-l-carnitine administration. Brain Research, 1994, 656, 359-366.	1.1	17
28	Morphometry of age pigment (lipofuscin) and of ceroid pigment deposits associated with vitamin E deficiency. Archives of Gerontology and Geriatrics, 2002, 34, 263-268.	1.4	17
29	Synaptic Pathology in the Brain Cortex of Old Monkeys as an Early Alteration in Senile Plaque Formation. Rejuvenation Research, 2006, 9, 85-88.	0.9	17
30	Level and Distribution of Microtubule- Associated Protein-2 (MAP2) as an Index of Dendritic Structural Dynamics. Rejuvenation Research, 2006, 9, 94-98.	0.9	17
31	Neuronal Apoptosis in Alzheimer's Disease. Annals of the New York Academy of Sciences, 2009, 1171, 18-24.	1.8	16
32	Reactive Structural Dynamics of Synaptic Mitochondria in Ischemic Delayed Neuronal Death. Annals of the New York Academy of Sciences, 2006, 1090, 26-34.	1.8	15
33	Plasma and cerebrospinal fluid ABeta42 for the differential diagnosis of Alzheimer's disease dementia in participants diagnosed with any dementia subtype in a specialist care setting. The Cochrane Library, 2021, 2021, CD010945.	1.5	15
34	Alterations of Synaptic Turnover Rate in Aging May Trigger Senile Plaque Formation and Neurodegeneration. Annals of the New York Academy of Sciences, 2007, 1096, 128-137.	1.8	14
35	Dynamin binding protein gene expression and memory performance in aged rats. Neurobiology of Aging, 2012, 33, 618.e15-618.e19.	1.5	14
36	Ethanol-Induced Decrease of the Expression of Glucose Transport Protein (Glut3) in the Central Nervous System as a Predisposing Condition to Apoptosis. Annals of the New York Academy of Sciences, 2003, 1010, 500-503.	1.8	13

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37	Contribution of nonâ€reference alleles in mt <scp>DNA</scp> of Alzheimer's disease patients. Annals of Clinical and Translational Neurology, 2014, 1, 284-289.	1.7	13
38	Cerebrospinal fluid biomarkers and cognitive status in differential diagnosis of frontotemporal dementia and Alzheimerâ€™s disease. Journal of International Medical Research, 2019, 47, 4968-4980.	0.4	13
39	Morphometry of E-PTA stained synapses at the periphery of pathological lesions. Micron, 2002, 33, 447-451.	1.1	12
40	Platelets in Alzheimerâ€™s Disease-Associated Cellular Senescence and Inflammation. Current Pharmaceutical Design, 2013, 19, 1727-1738.	0.9	12
41	Effect of Cognitive Training on the Expression of Brain-Derived Neurotrophic Factor in Lymphocytes of Mild Cognitive Impairment Patients. Rejuvenation Research, 2014, 17, 235-238.	0.9	12
42	Cellular Distribution of GAP-43 mRNA in Hippocampus and Cerebellum of Adult Rat Brain by In Situ RT-PCR. Journal of Histochemistry and Cytochemistry, 2001, 49, 1195-1196.	1.3	11
43	Preservation of Mitochondrial Volume Homeostasis at the Early Stages of Age-Related Synaptic Deterioration. Annals of the New York Academy of Sciences, 2007, 1096, 138-146.	1.8	11
44	Biocomplexity and Fractality in the Search of Biomarkers of Aging and Pathology: Focus on Mitochondrial DNA and Alzheimerâ€™s Disease. , 2017, 8, 44.		11
45	Platelets in Alzheimer's disease-associated cellular senescence and inflammation. Current Pharmaceutical Design, 2013, 19, 1727-38.	0.9	11
46	Selective Decline of the Metabolic Competence of Oversized Synaptic Mitochondria in the Old Monkey Cerebellum. Rejuvenation Research, 2008, 11, 387-391.	0.9	10
47	Neurobiology of the aging brain: morphological alterations at synaptic regions. Archives of Gerontology and Geriatrics, 1991, 12, 253-259.	1.4	9
48	GAP-43 mRNA detection by in situ hybridization, direct and indirect in situ RT-PCR in hippocampal and cerebellar tissue sections of adult rat brain. Micron, 2003, 34, 415-422.	1.1	9
49	Decay of Mitochondrial Metabolic Competence in the Aging Cerebellum. Annals of the New York Academy of Sciences, 2004, 1019, 29-32.	1.8	9
50	Morphometry of Axon Cytoskeleton at Internodal Regions of Rat Sciatic Nerve during Aging. Gerontology, 1999, 45, 307-311.	1.4	8
51	Biocomplexity and Fractality in the Search of Biomarkers of Aging and Pathology: Mitochondrial DNA Profiling of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 1758.	1.8	8
52	Age-related effects of moderate alcohol consumption on GAP-43 levels in rat hippocampus. Mechanisms of Ageing and Development, 2001, 122, 1723-1738.	2.2	7
53	Synaptic and Mitochondrial Morphometry Provides Structural Correlates of Successful Brain Aging. Annals of the New York Academy of Sciences, 2007, 1097, 51-53.	1.8	7
54	Effect of two medium chain triglyceridesâ€supplemented diets on synaptic morphology in the cerebellar cortex of lateâ€adult rats. Microscopy Research and Technique, 2009, 72, 933-938.	1.2	7

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55	Reactive Capacities of the Central Nervous System in Physiological Aging and Senile Dementia of the Ahheher Type. Annals of the New York Academy of Sciences, 1991, 621, 98-103.	1.8	6
56	Dietary restriction modulates synaptic structural dynamics in the aging hippocampus. Age, 1999, 22, 107-113.	3.0	6
57	beta-Amyloid Fragment 25-35 Induces Changes in Cytosolic Free Calcium in Human Platelets. Annals of the New York Academy of Sciences, 2000, 903, 451-456.	1.8	6
58	In vitro apolipoprotein E protects human red blood cells against lysis induced by amyloid-beta (AÎ²) fragment 25-35. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2002, 9, 103-107.	1.4	6
59	Morphometric investigations of the mitochondrial damage in ceroid lipopigment accumulation due to vitamin E deficiency. Archives of Gerontology and Geriatrics, 2002, 34, 269-274.	1.4	6
60	Structural Dynamics of Synaptic Junctional Areas in Aging and Alzheimer's Disease. Annals of the New York Academy of Sciences, 1992, 673, 285-292.	1.8	5
61	Morphological Alterations of Synaptic Mitochondria during Aging. Annals of the New York Academy of Sciences, 1994, 717, 137-149.	1.8	5
62	Cytochemical Estimation of Cytochrome Oxidase Activity as a Morphofunctional Mitochondrial Check-Up. Rejuvenation Research, 2006, 9, 202-206.	0.9	5
63	Differences in Gene Expression in the Hippocampus of Aged Rats Are Associated with Better Long-Term Memory Performance in a Passive Avoidance Test. Rejuvenation Research, 2010, 13, 224-228.	0.9	5
64	Î²â€Amyloid Fragment 25â€“35 Selectively Damages Platelets from Patients with Alzheimer's Disease. Annals of the New York Academy of Sciences, 2002, 977, 296-302.	1.8	4
65	Vitamin E Deficiency and Aging Effect on Expression Levels of GAP-43 and MAP-2 in Selected Areas of the Brain. Annals of the New York Academy of Sciences, 2004, 1019, 37-40.	1.8	4
66	Testing Mitochondrial Metabolic Competence by Cytochrome Oxidase Preferential Cytochemistry Versus Immunoreactivity of Subunits I and IV. Rejuvenation Research, 2006, 9, 215-218.	0.9	4
67	Neurobiology of the Aging Brain. , 2006, , 485-506.		4
68	Analysis of mitochondrial DNA allelic changes in Parkinsonâ€™s disease: a preliminary study. Aging Clinical and Experimental Research, 2020, 32, 345-349.	1.4	3
69	Effect of a Cognitive Training Program on the Platelet APP Ratio in Patients with Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 5110.	1.8	3
70	MONOVALENT ELECTROLYTE CONTENT IN VITAMIN E-DEFICIENT RATS: CLUES TO UNDERSTAND BRAIN AGING. Cell Biology International, 1997, 21, 671-673.	1.4	2
71	SARS-CoV-2 Morbidity in the CNS and the Aged Brain Specific Vulnerability. International Journal of Molecular Sciences, 2022, 23, 3782.	1.8	2
72	Effects of Ethanol on GAPâ€43 Levels in Hippocampus and Cerebellum of Aged Rats. Annals of the New York Academy of Sciences, 2002, 973, 313-316.	1.8	1

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73	Modulating Effects of Nutrition on Brain Ageing. NeuroImmune Biology, 2004, 4, 273-289.	0.2	1
74	Experimental Apoptosis Provides Clues about the Role of Mitochondrial Changes in Neuronal Death. Annals of the New York Academy of Sciences, 2006, 1090, 79-88.	1.8	1
75	Comment on â€œExpression of amyloid beta peptide in human platelets: Pivotal role of the phospholipase Cî²-protein kinase C pathway in platelet activationâ€•by Shen et al.. Pharmacological Research, 2008, 58, 85-85.	3.1	1
76	Platelets in Alzheimer's Disease-Associated Cellular Senescence and Inflammation. Current Pharmaceutical Design, 2013, 19, 1727-1738.	0.9	1
77	Platelet Total PLA₂ Activity, Serum Oxidative Level, and Plasma Cu/Zn Ratio: A Vicious Cycle with a Potential Role to Monitor MCI and Alzheimer's Disease Progression. Rejuvenation Research, 2022, 25, 16-24.	0.9	1
78	Electron microscopic morphometric studies on the effects of idebenone on the synaptic remodelling activity in the hippocampus and cerebellum in normal old as well as in vitamin E-deficient adult rats. Archives of Gerontology and Geriatrics, 1990, 11, 259-266.	1.4	0
79	Aging-like alterations of SDH activity in Purkinje cell mitochondria of adult vitamin-E deficient rats. Age, 2001, 24, 79-84.	3.0	0