

Patrizia Fattoretti

List of Publications by Year in descending order

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93
papers

1,721
citations

257450

24
h-index

361022

35
g-index

93
all docs

93
docs citations

93
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological adaptive response of the synaptic junctional zones in the human dentate gyrus during aging and Alzheimer's disease. <i>Brain Research</i> , 1990, 517, 69-75.	2.2	116
2	Morphological plasticity of synaptic mitochondria during aging. <i>Brain Research</i> , 1993, 628, 193-200.	2.2	91
3	Zinc-bound metallothioneins as potential biological markers of ageing. <i>Brain Research Bulletin</i> , 2001, 55, 147-153.	3.0	64
4	Peripheral inflammatory biomarkers of Alzheimer's disease: the role of platelets. <i>Biogerontology</i> , 2010, 11, 627-633.	3.9	58
5	Distribution of MAP2 in Hippocampus and Cerebellum of Young and Old Rats by Quantitative Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1065-1066.	2.5	52
6	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. <i>Micron</i> , 2010, 41, 143-148.	2.2	45
7	Neuronal plasticity in aging: a quantitative immunohistochemical study of GAP-43 distribution in discrete regions of the rat brain. <i>Brain Research</i> , 1996, 714, 111-117.	2.2	43
8	Early Selective Vulnerability of Synapses and Synaptic Mitochondria in the Hippocampal CA1 Region of the Tg2576 Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 887-896.	2.6	42
9	Ketogenic diets: An historical antiepileptic therapy with promising potentialities for the aging brain. <i>Ageing Research Reviews</i> , 2010, 9, 273-279.	10.9	38
10	Thymic regulation of brain cortex beta-adrenoceptors during development and aging. <i>Archives of Gerontology and Geriatrics</i> , 1985, 4, 179-185.	3.0	35
11	Role of Mitochondrial Deterioration in Physiological and Pathological Brain Aging. <i>Gerontology</i> , 2004, 50, 187-192.	2.8	35
12	Beta-adrenoceptor changes in submandibular glands of old mice. <i>Mechanisms of Ageing and Development</i> , 1980, 14, 155-163.	4.6	33
13	Inverse correlation between mitochondrial size and metabolic competence: a quantitative cytochemical study of cytochrome oxidase activity. <i>Die Naturwissenschaften</i> , 2003, 90, 68-71.	1.6	33
14	Ketogenic Diets Cause Opposing Changes in Synaptic Morphology in CA1 Hippocampus and Dentate Gyrus of Late-Adult Rats. <i>Rejuvenation Research</i> , 2008, 11, 631-640.	1.8	33
15	A Ketogenic Diet Increases Succinic Dehydrogenase Activity in Aging Cardiomyocytes. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 377-384.	3.8	32
16	Adapted physical exercise enhances activation and differentiation potential of satellite cells in the skeletal muscle of old mice. <i>Journal of Anatomy</i> , 2016, 228, 771-783.	1.5	32
17	Impairments of Synaptic Plasticity in Aged Animals and in Animal Models of Alzheimer's Disease. <i>Rejuvenation Research</i> , 2012, 15, 235-238.	1.8	30
18	Chronic Aluminum Administration to Old Rats Results in Increased Levels of Brain Metal Ions and Enlarged Hippocampal Mossy Fibers. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 44-47.	3.8	29

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19	Synaptic and mitochondrial physiopathologic changes in the aging nervous system and the role of zinc ion homeostasis. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 590-596.	4.6	29
20	Neuronal Death versus Synaptic Pathology in Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 635-638.	3.8	27
21	Impaired succinic dehydrogenase activity of rat Purkinje cell mitochondria during aging. <i>Mechanisms of Ageing and Development</i> , 1998, 101, 175-182.	4.6	25
22	Altered RNA structural constituents in aging and vitamin E deficiency. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 175-181.	4.6	25
23	Brain aging: The zinc connection. <i>Experimental Gerontology</i> , 2008, 43, 389-393.	2.8	24
24	Platelet as a physiological model to investigate apoptotic mechanisms in Alzheimer β^2 -amyloid peptide production. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 154-162.	4.6	24
25	Synaptic Remodeling in Hippocampal CA1 Region of Aged Rats Correlates with Better Memory Performance in Passive Avoidance Test. <i>Rejuvenation Research</i> , 2008, 11, 341-348.	1.8	24
26	Age-dependent decrease of beta-adrenoceptor density in the submandibular glands of mice and its modulation by the thymus. <i>Archives of Gerontology and Geriatrics</i> , 1982, 1, 229-235.	3.0	23
27	Metallothionein isoforms (I+II and III) and interleukin-6 in the hippocampus of old rats: may their concomitant increments lead to neurodegeneration?. <i>Brain Research Bulletin</i> , 2004, 63, 133-142.	3.0	23
28	Quantitative Immunohistochemistry of Glucose Transport Protein (Glut3) Expression in the Rat Hippocampus During Aging. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 671-672.	2.5	22
29	Early Impairment of Long-Term Depression in the Perirhinal Cortex of a Mouse Model of Alzheimer's Disease. <i>Rejuvenation Research</i> , 2012, 15, 231-234.	1.8	21
30	Age-dependent decrease in the activity of succinic dehydrogenase in rat CA1 pyramidal cells: a quantitative cytochemical study. <i>Mechanisms of Ageing and Development</i> , 1996, 90, 53-62.	4.6	20
31	Age-related decline in metabolic competence of small and medium-sized synaptic mitochondria. <i>Die Naturwissenschaften</i> , 2005, 92, 82-85.	1.6	20
32	Effect of a Comprehensive Intervention on Plasma BDNF in Patients with Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 37-43.	2.6	19
33	Cytochrome Oxidase Activity in Hippocampal Synaptic Mitochondria during Aging: A Quantitative Cytochemical Investigation. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 33-36.	3.8	18
34	Decreased Presence of Perforated Synapses in a Triple-Transgenic Mouse Model of Alzheimer's Disease. <i>Rejuvenation Research</i> , 2008, 11, 309-313.	1.8	18
35	Perichromatin Fibrils Accumulation in Hepatocyte Nuclei Reveals Alterations of Pre-mRNA Processing During Aging. <i>DNA and Cell Biology</i> , 2010, 29, 49-57.	1.9	18
36	Dynamic morphology of the synaptic junctional areas during aging: the effect of chronic acetyl-L-carnitine administration. <i>Brain Research</i> , 1994, 656, 359-366.	2.2	17

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37	The effect of chronic aluminum(III) administration on the nervous system of aged rats: Clues to understand its suggested role in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2004, 5, 437-444.	2.6	17
38	Synaptic Pathology in the Brain Cortex of Old Monkeys as an Early Alteration in Senile Plaque Formation. <i>Rejuvenation Research</i> , 2006, 9, 85-88.	1.8	17
39	Effects of ageing on the fine distribution of the circadian CLOCK protein in reticular formation neurons. <i>Histochemistry and Cell Biology</i> , 2007, 127, 641-647.	1.7	17
40	Aging and Vitamin E Deficiency Are Responsible for Altered RNA Pathways. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 379-382.	3.8	16
41	Aging affects the distribution of the circadian CLOCK protein in rat hepatocytes. <i>Microscopy Research and Technique</i> , 2005, 68, 45-50.	2.2	16
42	Neuronal Apoptosis in Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 18-24.	3.8	16
43	Physical Training Modulates Structural and Functional Features of Cell Nuclei in Type II Myofibers of Old Mice. <i>Rejuvenation Research</i> , 2011, 14, 543-552.	1.8	16
44	Cognitive Stimulation Modulates Platelet Total Phospholipases A2 Activity in Subjects with Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 957-962.	2.6	16
45	Reactive Structural Dynamics of Synaptic Mitochondria in Ischemic Delayed Neuronal Death. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 26-34.	3.8	15
46	Long-Term Visual Object Recognition Memory in Aged Rats. <i>Rejuvenation Research</i> , 2008, 11, 333-339.	1.8	15
47	Alterations of Synaptic Turnover Rate in Aging May Trigger Senile Plaque Formation and Neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , 2007, 1096, 128-137.	3.8	14
48	Dynamin binding protein gene expression and memory performance in aged rats. <i>Neurobiology of Aging</i> , 2012, 33, 618.e15-618.e19.	3.1	14
49	Modulatory Effect of Aerobic Physical Activity on Synaptic Ultrastructure in the Old Mouse Hippocampus. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 141.	3.4	14
50	Impaired Dynamic Morphology of Cerebellar Mitochondria in Physiological Aging and Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 1997, 826, 479-482.	3.8	13
51	The effect of chronic physical exercise on succinic dehydrogenase activity in the heart muscle of old rats. <i>Biogerontology</i> , 2005, 6, 95-100.	3.9	13
52	Succinic dehydrogenase activity in human muscle mitochondria during aging: a quantitative cytochemical investigation. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1841-1848.	4.6	12
53	Morphometry of E-PTA stained synapses at the periphery of pathological lesions. <i>Micron</i> , 2002, 33, 447-451.	2.2	12
54	Decreased Expression of Glucose Transport Protein (Glut3) in Aging and Vitamin E Deficiency. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 293-296.	3.8	12

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55	Platelets in Alzheimer's Disease-Associated Cellular Senescence and Inflammation. <i>Current Pharmaceutical Design</i> , 2013, 19, 1727-1738.	1.9	12
56	Effect of Cognitive Training on the Expression of Brain-Derived Neurotrophic Factor in Lymphocytes of Mild Cognitive Impairment Patients. <i>Rejuvenation Research</i> , 2014, 17, 235-238.	1.8	12
57	Increased Mitochondrial and Nuclear Gene Expression of Cytochrome Oxidase Subunits I and IV in Neuronal Aging. <i>Annals of the New York Academy of Sciences</i> , 2004, 1030, 303-309.	3.8	11
58	Preservation of Mitochondrial Volume Homeostasis at the Early Stages of Age-Related Synaptic Deterioration. <i>Annals of the New York Academy of Sciences</i> , 2007, 1096, 138-146.	3.8	11
59	Platelets in Alzheimer's disease-associated cellular senescence and inflammation. <i>Current Pharmaceutical Design</i> , 2013, 19, 1727-38.	1.9	11
60	The effects of ageing and a vitamin E-deficient diet on the lipopigment content of rat hippocampal and Purkinje neurones. <i>Archives of Gerontology and Geriatrics</i> , 1992, 14, 239-251.	3.0	10
61	Deafferentative Synaptopathology in Physiological Aging and Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 2002, 977, 322-326.	3.8	10
62	Selective Decline of the Metabolic Competence of Oversized Synaptic Mitochondria in the Old Monkey Cerebellum. <i>Rejuvenation Research</i> , 2008, 11, 387-391.	1.8	10
63	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. <i>Micron</i> , 2003, 34, 415-422.	2.2	9
64	Decay of Mitochondrial Metabolic Competence in the Aging Cerebellum. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 29-32.	3.8	9
65	Morphometry of Axon Cytoskeleton at Internodal Regions of Rat Sciatic Nerve during Aging. <i>Gerontology</i> , 1999, 45, 307-311.	2.8	8
66	Oxidative Stress in Elderly with Different Cognitive Status: My Mind Project. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1405-1414.	2.6	8
67	Age-related effects of moderate alcohol consumption on GAP-43 levels in rat hippocampus. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1723-1738.	4.6	7
68	Synaptic and Mitochondrial Morphometry Provides Structural Correlates of Successful Brain Aging. <i>Annals of the New York Academy of Sciences</i> , 2007, 1097, 51-53.	3.8	7
69	Effect of two medium chain triglycerides-supplemented diets on synaptic morphology in the cerebellar cortex of late-adult rats. <i>Microscopy Research and Technique</i> , 2009, 72, 933-938.	2.2	7
70	Reactive Capacities of the Central Nervous System in Physiological Aging and Senile Dementia of the Alzheimer Type. <i>Annals of the New York Academy of Sciences</i> , 1991, 621, 98-103.	3.8	6
71	Dietary restriction modulates synaptic structural dynamics in the aging hippocampus. <i>Age</i> , 1999, 22, 107-113.	3.0	6
72	beta-Amyloid Fragment 25-35 Induces Changes in Cytosolic Free Calcium in Human Platelets. <i>Annals of the New York Academy of Sciences</i> , 2000, 903, 451-456.	3.8	6

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73	Morphometric investigations of the mitochondrial damage in ceroid lipopigment accumulation due to vitamin E deficiency. Archives of Gerontology and Geriatrics, 2002, 34, 269-274.	3.0	6
74	Testosterone administration increases synaptic density in the gyrus dentatus of old mice independently of physical exercise. Experimental Gerontology, 2019, 125, 110664.	2.8	6
75	Structural Dynamics of Synaptic Junctional Areas in Aging and Alzheimer's Disease. Annals of the New York Academy of Sciences, 1992, 673, 285-292.	3.8	5
76	Morphological Alterations of Synaptic Mitochondria during Aging. Annals of the New York Academy of Sciences, 1994, 717, 137-149.	3.8	5
77	Cytochemical Estimation of Cytochrome Oxidase Activity as a Morphofunctional Mitochondrial Check-Up. Rejuvenation Research, 2006, 9, 202-206.	1.8	5
78	β-Amyloid Fragment 25-35 Selectively Damages Platelets from Patients with Alzheimer's Disease. Annals of the New York Academy of Sciences, 2002, 977, 296-302.	3.8	4
79	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.	3.8	4
80	Increased Intracellular Ionic Content Is Correlated with a Decreased Perichromatin Granule Density in Old Neurons. Annals of the New York Academy of Sciences, 2004, 1030, 289-296.	3.8	4
81	Testing Mitochondrial Metabolic Competence by Cytochrome Oxidase Preferential Cytochemistry Versus Immunoreactivity of Subunits I and IV. Rejuvenation Research, 2006, 9, 215-218.	1.8	4
82	Neurobiology of the Aging Brain. , 2006, , 485-506.		4
83	A morphometric study on human muscle mitochondria in aging. Age, 2002, 25, 101-105.	3.0	3
84	MONOVALENT ELECTROLYTE CONTENT IN VITAMIN E-DEFICIENT RATS: CLUES TO UNDERSTAND BRAIN AGING. Cell Biology International, 1997, 21, 671-673.	3.0	2
85	Effect of Dietary Restriction on DNA Synthesis in Vitamin E-Deficient Rats. Annals of the New York Academy of Sciences, 2004, 1030, 462-467.	3.8	2
86	Adaptive Capacities of the Synaptic Contact Areas in Hypertensive and Ischemic Young Rats. Annals of the New York Academy of Sciences, 2002, 977, 109-114.	3.8	1
87	Modulating Effects of Nutrition on Brain Ageing. NeuroImmune Biology, 2004, 4, 273-289.	0.2	1
88	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.	3.8	1
89	Platelets in Alzheimer's Disease-Associated Cellular Senescence and Inflammation. Current Pharmaceutical Design, 2013, 19, 1727-1738.	1.9	1
90	Synaptic mitochondria and ageing: computer-assisted morphometry in rat cerebellar glomeruli. Archives of Gerontology and Geriatrics, 1994, 19, 229-234.	3.0	0

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91	Aging-like alterations of SDH activity in Purkinje cell mitochondria of adult vitamin-E deficient rats. Age, 2001, 24, 79-84.	3.0	0
92	Transient Ischemia Associated with Hypertension Significantly Affects Synaptic Plasticity in Young Rats. Annals of the New York Academy of Sciences, 2002, 977, 123-128.	3.8	0
93	Strukturelle, zelluläre und subzelluläre Veränderungen des Gehirns bei physiologischem Altern und der senilen Demenz vom Alzheimer-Typ. , 2004, , 127-147.		0