

Alessandro Martorana

List of Publications by Year in descending order

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108
papers

5,125
citations

76196

40
h-index

98622

67
g-index

108
all docs

108
docs citations

108
times ranked

7008
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation Triggers Synaptic Alteration and Degeneration in Experimental Autoimmune Encephalomyelitis. <i>Journal of Neuroscience</i> , 2009, 29, 3442-3452.	1.7	331
2	Orexinergic System Dysregulation, Sleep Impairment, and Cognitive Decline in Alzheimer Disease. <i>JAMA Neurology</i> , 2014, 71, 1498.	4.5	262
3	Transcranial magnetic stimulation of the precuneus enhances memory and neural activity in prodromal Alzheimer's disease. <i>NeuroImage</i> , 2018, 169, 302-311.	2.1	234
4	“Delirium Day” a nationwide point prevalence study of delirium in older hospitalized patients using an easy standardized diagnostic tool. <i>BMC Medicine</i> , 2016, 14, 106.	2.3	204
5	“Is dopamine involved in Alzheimer's disease?” <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 252.	1.7	202
6	Amyloid β^2 , Glutamate, Excitotoxicity in Alzheimer's Disease: Are We on the Right Track?. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 549-555.	1.9	159
7	Dopamine Modulates Cholinergic Cortical Excitability in Alzheimer's Disease Patients. <i>Neuropsychopharmacology</i> , 2009, 34, 2323-2328.	2.8	128
8	Impaired LTP- but not LTD-Like Cortical Plasticity in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 593-599.	1.2	127
9	Beyond the Cholinergic Hypothesis: Do Current Drugs Work in Alzheimer's Disease?. <i>CNS Neuroscience and Therapeutics</i> , 2010, 16, 235-245.	1.9	122
10	Dopaminergic Modulation of Cortical Plasticity in Alzheimer's Disease Patients. <i>Neuropsychopharmacology</i> , 2014, 39, 2654-2661.	2.8	121
11	Exercise attenuates the clinical, synaptic and dendritic abnormalities of experimental autoimmune encephalomyelitis. <i>Neurobiology of Disease</i> , 2009, 36, 51-59.	2.1	108
12	Sub-cellular localization of manganese in the basal ganglia of normal and manganese-treated rats. <i>NeuroToxicology</i> , 2008, 29, 60-72.	1.4	103
13	Rapid eye movement sleep disruption and sleep fragmentation are associated with increased orexin-A cerebrospinal-fluid levels in mild cognitive impairment due to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 40, 120-126.	1.5	96
14	Lowered cAMP and cGMP signalling in the brain during levodopa-induced dyskinesias in hemiparkinsonian rats: new aspects in the pathogenetic mechanisms. <i>European Journal of Neuroscience</i> , 2008, 28, 941-950.	1.2	95
15	Transcranial magnetic stimulation distinguishes Alzheimer disease from frontotemporal dementia. <i>Neurology</i> , 2017, 89, 665-672.	1.5	95
16	Dopamine D2-agonist Rotigotine effects on cortical excitability and central cholinergic transmission in Alzheimer's disease patients. <i>Neuropharmacology</i> , 2013, 64, 108-113.	2.0	84
17	Long-term potentiation-like cortical plasticity is disrupted in Alzheimer's disease patients independently from age of onset. <i>Annals of Neurology</i> , 2016, 80, 202-210.	2.8	79
18	Immunolocalization of CB1receptor in rat striatal neurons: A confocal microscopy study. <i>Synapse</i> , 2004, 53, 159-167.	0.6	75

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19	Down-regulation of nitregric transmission in the rat striatum after chronic nigrostriatal deafferentation. <i>European Journal of Neuroscience</i> , 2004, 20, 989-1000.	1.2	72
20	Differential post-translational modifications of transthyretin in Alzheimer's disease: A study of the cerebral spinal fluid. <i>Proteomics</i> , 2006, 6, 2305-2313.	1.3	70
21	Oral fingolimod rescues the functional deficits of synapses in experimental autoimmune encephalomyelitis. <i>British Journal of Pharmacology</i> , 2012, 165, 861-869.	2.7	67
22	Classification Accuracy of Transcranial Magnetic Stimulation for the Diagnosis of Neurodegenerative Dementias. <i>Annals of Neurology</i> , 2020, 87, 394-404.	2.8	65
23	Transcranial magnetic stimulation predicts cognitive decline in patients with Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 1237-1242.	0.9	64
24	Amyloid-Mediated Cholinergic Dysfunction in Motor Impairment Related to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 525-532.	1.2	59
25	Co-localization of brain-derived neurotrophic factor (BDNF) and wild-type huntingtin in normal and quinolinic acid-lesioned rat brain. <i>European Journal of Neuroscience</i> , 2003, 18, 1093-1102.	1.2	57
26	CSF tau is associated with impaired cortical plasticity, cognitive decline and astrocyte survival only in APOE4-positive Alzheimer's disease. <i>Scientific Reports</i> , 2017, 7, 13728.	1.6	57
27	AD with subcortical white matter lesions and vascular dementia: CSF markers for differential diagnosis. <i>Journal of the Neurological Sciences</i> , 2005, 237, 83-88.	0.3	55
28	Beneficial effects of rolipram in a quinolinic acid model of striatal excitotoxicity. <i>Neurobiology of Disease</i> , 2007, 25, 266-273.	2.1	55
29	Tissue plasminogen activator is required for corticostriatal long-term potentiation. <i>European Journal of Neuroscience</i> , 2002, 16, 713-721.	1.2	52
30	CSF markers in Alzheimer disease patients are not related to the different degree of cognitive impairment. <i>Journal of the Neurological Sciences</i> , 2006, 251, 124-128.	0.3	52
31	Reversal of LTP-Like Cortical Plasticity in Alzheimer's Disease Patients with Tau-Related Faster Clinical Progression. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 605-616.	1.2	51
32	LTP-like cortical plasticity predicts conversion to dementia in patients with memory impairment. <i>Brain Stimulation</i> , 2020, 13, 1175-1182.	0.7	51
33	Cerebellar theta burst stimulation modulates short latency afferent inhibition in Alzheimer's disease patients. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 2.	1.7	48
34	Striatal modulation of cAMP-response-element-binding protein (CREB) after excitotoxic lesions: implications with neuronal vulnerability in Huntington's disease. <i>European Journal of Neuroscience</i> , 2006, 23, 11-20.	1.2	46
35	LTP-like cortical plasticity is associated with verbal memory impairment in Alzheimer's disease patients. <i>Brain Stimulation</i> , 2019, 12, 148-151.	0.7	46
36	Activation of β_1 -Adrenoceptors Excites Striatal Cholinergic Interneurons through a cAMP-Dependent, Protein Kinase-Independent Pathway. <i>Journal of Neuroscience</i> , 2003, 23, 5272-5282.	1.7	45

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37	PDE10A and PDE10A-dependent cAMP catabolism are dysregulated oppositely in striatum and nucleus accumbens after lesion of midbrain dopamine neurons in rat: A key step in parkinsonism physiopathology. <i>Neurobiology of Disease</i> , 2011, 43, 293-303.	2.1	45
38	Oligodendrocytes express P2Y12 metabotropic receptor in adult rat brain. <i>Neuroscience</i> , 2006, 141, 1171-1180.	1.1	44
39	A β 1-42 Detection in CSF of Alzheimer's disease is influenced by temperature: Indication of reversible A β 1-42 aggregation?. <i>Experimental Neurology</i> , 2010, 223, 371-376.	2.0	44
40	l-dopa modulates motor cortex excitability in Alzheimer's disease patients. <i>Journal of Neural Transmission</i> , 2008, 115, 1313-1319.	1.4	43
41	Altered dopamine modulation of LTD-like plasticity in Alzheimer's disease patients. <i>Clinical Neurophysiology</i> , 2011, 122, 703-707.	0.7	43
42	Impaired Spike Timing Dependent Cortico-Cortical Plasticity in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 983-991.	1.2	43
43	Cerebrospinal Fluid A β 42 Levels: When Physiological Become Pathological State. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 921-925.	1.9	41
44	Manganese intoxication decreases the expression of manganoproteins in the rat basal ganglia: An immunohistochemical study. <i>Brain Research Bulletin</i> , 2007, 74, 406-415.	1.4	40
45	Glaucoma progression associated with altered cerebral spinal fluid levels of amyloid beta and tau proteins. <i>Clinical and Experimental Ophthalmology</i> , 2011, 39, 279-281.	1.3	40
46	A Clinical and Biochemical Analysis in the Differential Diagnosis of Idiopathic Normal Pressure Hydrocephalus. <i>Frontiers in Neurology</i> , 2015, 6, 86.	1.1	39
47	Association Between Alzheimer's Disease and Glaucoma: A Study Based on Heidelberg Retinal Tomography and Frequency Doubling Technology Perimetry. <i>Frontiers in Neuroscience</i> , 2015, 9, 479.	1.4	39
48	CSF Tau Levels Influence Cortical Plasticity in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 181-186.	1.2	38
49	Frailty Among Alzheimer's Disease Patients. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 507-511.	0.8	36
50	Cellular localization of TRPC3 channel in rat brain: preferential distribution to oligodendrocytes. <i>Neuroscience Letters</i> , 2004, 365, 137-142.	1.0	34
51	Homotaurine Induces Measurable Changes of Short Latency Afferent Inhibition in a Group of Mild Cognitive Impairment Individuals. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 254.	1.7	34
52	Comparison between Early-Onset and Late-Onset Alzheimer's Disease Patients with Amnesic Presentation: CSF and 18F-FDG PET Study. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 108-119.	0.6	34
53	Effect of Rotigotine vs Placebo on Cognitive Functions Among Patients With Mild to Moderate Alzheimer Disease. <i>JAMA Network Open</i> , 2020, 3, e2010372.	2.8	34
54	Distribution of TRPC1 receptors in dendrites of rat substantia nigra: a confocal and electron microscopy study. <i>European Journal of Neuroscience</i> , 2006, 24, 732-738.	1.2	31

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55	The Load of Amyloid- β^2 Oligomers is Decreased in the Cerebrospinal Fluid of Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 865-878.	1.2	31
56	Cerebrospinal fluid levels of A β^{242} relationship with cholinergic cortical activity in Alzheimer's disease patients. <i>Journal of Neural Transmission</i> , 2012, 119, 771-778.	1.4	31
57	Levodopa-induced dyskinesias are associated with transient down-regulation of cAMP and cGMP in the caudate-putamen of hemiparkinsonian rats: Reduced synthesis or increased catabolism?. <i>Neurochemistry International</i> , 2014, 79, 44-56.	1.9	31
58	In vivo electrophysiology of dopamine-denervated striatum: Focus on the nitric oxide/cGMP signaling pathway. <i>Synapse</i> , 2008, 62, 409-420.	0.6	30
59	Brain metabolic correlates of CSF Tau protein in a large cohort of Alzheimer's disease patients: A CSF and FDG PET study. <i>Brain Research</i> , 2018, 1678, 116-122.	1.1	30
60	Effects of simvastatin on neuroprotection and modulation of Bcl-2 and BAX in the rat quinolinic acid model of Huntington's disease. <i>Neuroscience Letters</i> , 2008, 448, 166-169.	1.0	28
61	Intracellular localization and isoform expression of the voltage-dependent anion channel (VDAC) in normal and dystrophic skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2000, 21, 433-442.	0.9	27
62	Adult polyglucosan body disease: Proton magnetic resonance spectroscopy of the brain and novel mutation in the <i>GBE1</i> gene. <i>Muscle and Nerve</i> , 2008, 37, 530-536.	1.0	27
63	Altered Parietal-Motor Connections in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2012, 33, 525-533.	1.2	27
64	Levels of amyloid-beta-42 and CSF pressure are directly related in patients with Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2017, 124, 1621-1625.	1.4	27
65	Protective Role of Cerebrospinal Fluid Inflammatory Cytokines in Patients with Amnesic Mild Cognitive Impairment and Early Alzheimer's Disease Carrying Apolipoprotein E4 Genotype. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 681-689.	1.2	27
66	Effects of Cerebellar Theta Burst Stimulation on Contralateral Motor Cortex Excitability in Patients with Alzheimer's Disease. <i>Brain Topography</i> , 2020, 33, 613-617.	0.8	26
67	Effects of Palmitoylethanolamide Combined with Luteoline on Frontal Lobe Functions, High Frequency Oscillations, and GABAergic Transmission in Patients with Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1297-1308.	1.2	26
68	D2-mediated modulation of N-type calcium currents in rat globus pallidus neurons following dopamine denervation. <i>European Journal of Neuroscience</i> , 2002, 15, 815-825.	1.2	25
69	Cerebrospinal-fluid orexin levels and daytime somnolence in frontotemporal dementia. <i>Journal of Neurology</i> , 2014, 261, 1832-1836.	1.8	25
70	Enkephalin, neurotensin, and substance P immunoreactive neurones of the rat GP following 6-hydroxydopamine lesion of the substantia nigra. <i>Experimental Neurology</i> , 2003, 183, 311-319.	2.0	24
71	Transcranial magnetic stimulation: Emerging biomarkers and novel therapeutics in Alzheimer's disease. <i>Neuroscience Letters</i> , 2020, 719, 134355.	1.0	23
72	Functional correlates of t-Tau, p-Tau and A β^{1-42} amyloid cerebrospinal fluid levels in Alzheimer's disease. <i>Nuclear Medicine Communications</i> , 2015, 36, 461-468.	0.5	22

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73	Functional correlates of TSH, fT3 and fT4 in Alzheimer disease: a F-18 FDG PET/CT study. <i>Scientific Reports</i> , 2017, 7, 6220.	1.6	20
74	Plasmin system of Alzheimer's disease patients: CSF analysis. <i>Journal of Neural Transmission</i> , 2012, 119, 763-769.	1.4	18
75	Is cerebral glucose metabolism related to blood-brain barrier dysfunction and intrathecal IgG synthesis in Alzheimer disease?. <i>Medicine (United States)</i> , 2016, 95, e4206.	0.4	18
76	P2Y1 receptor switches to neurons from glia in juvenile versus neonatal rat cerebellar cortex. <i>BMC Developmental Biology</i> , 2007, 7, 77.	2.1	17
77	Bromelain Degrades A β 1-42 Monomers and Soluble Aggregates: An In Vitro Study in Cerebrospinal Fluid of Alzheimer's Disease Patients. <i>Current Alzheimer Research</i> , 2018, 15, 628-636.	0.7	17
78	Huntingtin distribution among striatal output neurons of normal rat brain. <i>Neuroscience Letters</i> , 2003, 339, 53-56.	1.0	16
79	Opioid-mediated modulation of calcium currents in striatal and pallidal neurons following reserpine treatment: Focus on kappa response. <i>Synapse</i> , 2004, 51, 194-205.	0.6	16
80	CSF and clinical hallmarks of subcortical dementias: focus on DLB and PDD. <i>Journal of Neural Transmission</i> , 2012, 119, 861-875.	1.4	16
81	Assessment of serum uric acid as risk factor for tauopathies. <i>Journal of Neural Transmission</i> , 2017, 124, 1105-1108.	1.4	16
82	Brain metabolic patterns in patients with suspected non-Alzheimer's pathophysiology (SNAP) and Alzheimer's disease (AD): is [18F] FDG a specific biomarker in these patients?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1796-1805.	3.3	14
83	Brain energy metabolism and neurodegeneration: hints from CSF lactate levels in dementias. <i>Neurobiology of Aging</i> , 2021, 105, 333-339.	1.5	14
84	Apathy as Marker of Frail Status. <i>Journal of Aging Research</i> , 2012, 2012, 1-5.	0.4	13
85	The Italian dementia with Lewy bodies study group (DLB-SINdem): toward a standardization of clinical procedures and multicenter cohort studies design. <i>Neurological Sciences</i> , 2017, 38, 83-91.	0.9	11
86	Neurotensin effects on N-type calcium currents among rat pallidal neurons: An electrophysiological and immunohistochemical study. <i>Synapse</i> , 2006, 60, 371-383.	0.6	10
87	Cognitive reserve and Alzheimer's biological continuum: clues for prediction and prevention of dementia. <i>Minerva Medica</i> , 2021, 112, 441-447.	0.3	10
88	Haemodynamic impairment along the Alzheimer's disease continuum. <i>European Journal of Neurology</i> , 2021, 28, 2168-2173.	1.7	7
89	Diabetes mellitus contributes to higher cerebrospinal fluid tau levels selectively in Alzheimer's disease patients with the APOE4 genotype. <i>European Journal of Neurology</i> , 2021, 28, 3965-3971.	1.7	7
90	Observational clinical and nerve conduction study on effects of a nutraceutical combination on painful diabetic distal symmetric sensory-motor neuropathy in patients with diabetes type 1 and type 2. <i>Minerva Medica</i> , 2018, 109, 358-362.	0.3	7

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91	MANGANESE DETECTED BY ELECTRON SPECTROSCOPY IMAGING AND ELECTRON ENERGY LOSS SPECTROSCOPY IN MITOCHONDRIA OF NORMAL RAT BRAIN CELLS. Instrumentation Science and Technology, 2002, 20, 481-491.	0.8	6
92	The Brain Metabolic Correlates of the Main Indices of Neuropsychological Assessment in Alzheimer's Disease. Journal of Personalized Medicine, 2020, 10, 25.	1.1	6
93	Dopamine denervation induces neurotensin immunoreactivity in GABA-parvalbumin striatal neurons. Synapse, 2001, 41, 360-362.	0.6	5
94	Kyphoplasty. American Journal of Physical Medicine and Rehabilitation, 2004, 83, 810-812.	0.7	5
95	Insulin and the Future Treatment of Alzheimer's Disease. CNS and Neurological Disorders - Drug Targets, 2016, 15, 660-664.	0.8	5
96	Transient global amnesia: Linked to a systemic disorder of amino acid catabolism?. Journal of Neurology, 2013, 260, 1429-1432.	1.8	4
97	Lacosamide in the Management of Behavioral Symptoms in Frontotemporal Dementia. Alzheimer Disease and Associated Disorders, 2018, 32, 364-365.	0.6	4
98	The role of epsilon phenotype in brain glucose consumption in Alzheimer's disease. Annals of Nuclear Medicine, 2020, 34, 254-262.	1.2	4
99	Ageing as a Trait de Union Between Diabetes and Dementia for Frailty. CNS and Neurological Disorders - Drug Targets, 2013, 12, 520-524.	0.8	4
100	Clinical Profile of Alzheimer's Disease Non-Responder Patient. , 2011, , .		3
101	Alzheimer's Disease and the Routine Clinical Use of CSF Biomarkers. CNS and Neurological Disorders - Drug Targets, 2017, 16, 407-413.	0.8	2
102	Isolated Amyloid- β Pathology Is Associated with Preserved Cortical Plasticity in APOE4 Alzheimer's Disease Patients. Journal of Alzheimer's Disease, 2022, 86, 773-778.	1.2	2
103	Gamma-induction in frontotemporal dementia (GIFTED) randomized placebo-controlled trial: Rationale, noninvasive brain stimulation protocol, and study design. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2021, 7, e12219.	1.8	2
104	Editorial (Alzheimer's Disease and Frail Syndrome: Features Overlap Predictive of Poor Outcome). CNS and Neurological Disorders - Drug Targets, 2013, 12, 506-506.	0.8	0
105	D2 agonist administration restores altered cortical plasticity in Alzheimer's disease patients. Neurobiology of Aging, 2014, 35, S5-S6.	1.5	0
106	Editorial (Thematic Issue: Old Facts and New Perspectives to Face Alzheimer's Dementia. Focus on Non) Tj ETQq0 0 0 rgBT /Overlock 10 15, 646-646.	0.8	0
107	C57BL/6J and DBA/2J strains present opposite sex differences in flash visual evoked potential latency: A possible confounding factor in gender studies on neurological diseases transgenic models. Brain Research Bulletin, 2021, 176, 18-24.	1.4	0
108	Manganese Toxicity: A Critical Reappraisal. , 2003, , 415-425.		0