

Alessandro Martorana

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

3,834
citations

36
h-index

58
g-index

108
ext. papers

4,541
ext. citations

4.5
avg, IF

5.08
L-index

#	Paper	IF	Citations
104	Inflammation triggers synaptic alteration and degeneration in experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience</i> , 2009 , 29, 3442-52	6.6	280
103	Orexinergic system dysregulation, sleep impairment, and cognitive decline in Alzheimer disease. <i>JAMA Neurology</i> , 2014 , 71, 1498-505	17.2	189
102	"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	11.4	143
101	"Is dopamine involved in Alzheimer's disease?". <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 252	5.3	138
100	Transcranial magnetic stimulation of the precuneus enhances memory and neural activity in prodromal Alzheimer's disease. <i>NeuroImage</i> , 2018 , 169, 302-311	7.9	129
99	Amyloid β glutamate, excitotoxicity in Alzheimer's disease: are we on the right track?. <i>CNS Neuroscience and Therapeutics</i> , 2013 , 19, 549-55	6.8	108
98	Dopamine modulates cholinergic cortical excitability in Alzheimer's disease patients. <i>Neuropsychopharmacology</i> , 2009 , 34, 2323-8	8.7	105
97	Impaired LTP- but not LTD-like cortical plasticity in Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 593-9	4.3	102
96	Beyond the cholinergic hypothesis: do current drugs work in Alzheimer's disease?. <i>CNS Neuroscience and Therapeutics</i> , 2010 , 16, 235-45	6.8	93
95	Sub-cellular localization of manganese in the basal ganglia of normal and manganese-treated rats. An electron spectroscopy imaging and electron energy-loss spectroscopy study. <i>NeuroToxicology</i> , 2008 , 29, 60-72	4.4	92
94	Exercise attenuates the clinical, synaptic and dendritic abnormalities of experimental autoimmune encephalomyelitis. <i>Neurobiology of Disease</i> , 2009 , 36, 51-9	7.5	90
93	Dopaminergic modulation of cortical plasticity in Alzheimer's disease patients. <i>Neuropsychopharmacology</i> , 2014 , 39, 2654-61	8.7	89
92	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, 941-50	3.5	84
91	Immunolocalization of CB1 receptor in rat striatal neurons: a confocal microscopy study. <i>Synapse</i> , 2004 , 53, 159-67	2.4	71
90	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	5.6	67
89	Transcranial magnetic stimulation distinguishes Alzheimer disease from frontotemporal dementia. <i>Neurology</i> , 2017 , 89, 665-672	6.5	66
88	Differential post-translational modifications of transthyretin in Alzheimer's disease: a study of the cerebral spinal fluid. <i>Proteomics</i> , 2006 , 6, 2305-13	4.8	66

87	Down-regulation of nitregric transmission in the rat striatum after chronic nigrostriatal deafferentation. <i>European Journal of Neuroscience</i> , 2004 , 20, 989-1000	3.5	64
86	Dopamine D β agonist rotigotine effects on cortical excitability and central cholinergic transmission in Alzheimer's disease patients. <i>Neuropharmacology</i> , 2013 , 64, 108-13	5.5	62
85	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, 202-10	9.4	62
84	Oral fingolimod rescues the functional deficits of synapses in experimental autoimmune encephalomyelitis. <i>British Journal of Pharmacology</i> , 2012 , 165, 861-9	8.6	55
83	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, 1093-102	3.5	54
82	Beneficial effects of rolipram in a quinolinic acid model of striatal excitotoxicity. <i>Neurobiology of Disease</i> , 2007 , 25, 266-73	7.5	46
81	AD with subcortical white matter lesions and vascular dementia: CSF markers for differential diagnosis. <i>Journal of the Neurological Sciences</i> , 2005 , 237, 83-8	3.2	46
80	Transcranial magnetic stimulation predicts cognitive decline in patients with Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 1237-1242	5.5	44
79	Tissue plasminogen activator is required for corticostriatal long-term potentiation. <i>European Journal of Neuroscience</i> , 2002 , 16, 713-21	3.5	44
78	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	7.5	42
77	Cerebellar theta burst stimulation modulates short latency afferent inhibition in Alzheimer's disease patients. <i>Frontiers in Aging Neuroscience</i> , 2013 , 5, 2	5.3	41
76	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, 124-8	3.2	41
75	Oligodendrocytes express P2Y ₁₂ metabotropic receptor in adult rat brain. <i>Neuroscience</i> , 2006 , 141, 1171-80	3.9	41
74	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	3.5	39
73	Activation of beta1-adrenoceptors excites striatal cholinergic interneurons through a cAMP-dependent, protein kinase-independent pathway. <i>Journal of Neuroscience</i> , 2003 , 23, 5272-82	6.6	39
72	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, 605-16	4.3	39
71	Altered dopamine modulation of LTD-like plasticity in Alzheimer's disease patients. <i>Clinical Neurophysiology</i> , 2011 , 122, 703-7	4.3	38
70	Manganese intoxication decreases the expression of manganoproteins in the rat basal ganglia: an immunohistochemical study. <i>Brain Research Bulletin</i> , 2007 , 74, 406-15	3.9	37

69	LTP-like cortical plasticity is associated with verbal memory impairment in Alzheimer's disease patients. <i>Brain Stimulation</i> , 2019 , 12, 148-151	5.1	37
68	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	4.9	36
67	Classification Accuracy of Transcranial Magnetic Stimulation for the Diagnosis of Neurodegenerative Dementias. <i>Annals of Neurology</i> , 2020 , 87, 394-404	9.4	34
66	Amyloid-Mediated Cholinergic Dysfunction in Motor Impairment Related to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 525-532	4.3	34
65	L-dopa modulates motor cortex excitability in Alzheimer's disease patients. <i>Journal of Neural Transmission</i> , 2008 , 115, 1313-9	4.3	34
64	A clinical and biochemical analysis in the differential diagnosis of idiopathic normal pressure hydrocephalus. <i>Frontiers in Neurology</i> , 2015 , 6, 86	4.1	31
63	Abeta1-42 Detection in CSF of Alzheimer's disease is influenced by temperature: indication of reversible Abeta1-42 aggregation?. <i>Experimental Neurology</i> , 2010 , 223, 371-6	5.7	31
62	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	5.1	29
61	Frailty among Alzheimer's disease patients. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 507-16		29
60	Glaucoma progression associated with altered cerebral spinal fluid levels of amyloid beta and tau proteins. <i>Clinical and Experimental Ophthalmology</i> , 2011 , 39, 279-81	2.4	29
59	Distribution of TRPC1 receptors in dendrites of rat substantia nigra: a confocal and electron microscopy study. <i>European Journal of Neuroscience</i> , 2006 , 24, 732-8	3.5	29
58	Cellular localization of TRPC3 channel in rat brain: preferential distribution to oligodendrocytes. <i>Neuroscience Letters</i> , 2004 , 365, 137-42	3.3	29
57	The load of amyloid- β oligomers is decreased in the cerebrospinal fluid of Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 865-78	4.3	28
56	In vivo electrophysiology of dopamine-denervated striatum: focus on the nitric oxide/cGMP signaling pathway. <i>Synapse</i> , 2008 , 62, 409-20	2.4	27
55	Comparison between Early-Onset and Late-Onset Alzheimer's Disease Patients with Amnestic Presentation: CSF and (18)F-FDG PET Study. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016 , 6, 108-19	2.5	25
54	Cerebrospinal fluid levels of A β 2 relationship with cholinergic cortical activity in Alzheimer's disease patients. <i>Journal of Neural Transmission</i> , 2012 , 119, 771-8	4.3	24
53	CSF tau levels influence cortical plasticity in Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2011 , 26, 181-6	4.3	24
52	D2-mediated modulation of N-type calcium currents in rat globus pallidus neurons following dopamine denervation. <i>European Journal of Neuroscience</i> , 2002 , 15, 815-25	3.5	24

51	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, 166-9	3.3	23
50	Cerebrospinal-fluid orexin levels and daytime somnolence in frontotemporal dementia. <i>Journal of Neurology</i> , 2014 , 261, 1832-6	5.5	22
49	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	4.3	22
48	Adult polyglucosan body disease: proton magnetic resonance spectroscopy of the brain and novel mutation in the GBE1 gene. <i>Muscle and Nerve</i> , 2008 , 37, 530-6	3.4	22
47	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, 433-42	3.5	22
46	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	3.7	21
45	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	4.4	21
44	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	5.3	21
43	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, 311-9	5.7	21
42	LTP-like cortical plasticity predicts conversion to dementia in patients with memory impairment. <i>Brain Stimulation</i> , 2020 , 13, 1175-1182	5.1	20
41	Altered parietal-motor connections in Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2013 , 33, 525-33	4.3	20
40	Impaired Spike Timing Dependent Cortico-Cortical Plasticity in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2018 , 66, 983-991	4.3	18
39	Functional correlates of t-Tau, p-Tau and A β amyloid cerebrospinal fluid levels in Alzheimer's disease: a PET/CT study. <i>Nuclear Medicine Communications</i> , 2015 , 36, 461-8	1.6	16
38	Cerebrospinal Fluid A β 2 Levels: When Physiological Become Pathological State. <i>CNS Neuroscience and Therapeutics</i> , 2015 , 21, 921-5	6.8	16
37	Huntingtin distribution among striatal output neurons of normal rat brain. <i>Neuroscience Letters</i> , 2003 , 339, 53-6	3.3	16
36	Plasmin system of Alzheimer's disease patients: CSF analysis. <i>Journal of Neural Transmission</i> , 2012 , 119, 763-9	4.3	15
35	P2Y1 receptor switches to neurons from glia in juvenile versus neonatal rat cerebellar cortex. <i>BMC Developmental Biology</i> , 2007 , 7, 77	3.1	15
34	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	2.4	15

33	Assessment of serum uric acid as risk factor for tauopathies. <i>Journal of Neural Transmission</i> , 2017 , 124, 1105-1108	4.3	14
32	Functional correlates of TSH, FT3 and FT4 in Alzheimer disease: a F-18 FDG PET/CT study. <i>Scientific Reports</i> , 2017 , 7, 6220	4.9	13
31	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	4.3	12
30	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	4.3	12
29	CSF and clinical hallmarks of subcortical dementias: focus on DLB and PDD. <i>Journal of Neural Transmission</i> , 2012 , 119, 861-75	4.3	12
28	Is cerebral glucose metabolism related to blood-brain barrier dysfunction and intrathecal IgG synthesis in Alzheimer disease?: A 18F-FDG PET/CT study. <i>Medicine (United States)</i> , 2016 , 95, e4206	1.8	11
27	Transcranial magnetic stimulation: Emerging biomarkers and novel therapeutics in Alzheimer's disease. <i>Neuroscience Letters</i> , 2020 , 719, 134355	3.3	11
26	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	4.3	10
25	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	3.5	10
24	Apathy as marker of frail status. <i>Journal of Aging Research</i> , 2012 , 2012, 436251	2.3	10
23	Neurotensin effects on N-type calcium currents among rat pallidal neurons: an electrophysiological and immunohistochemical study. <i>Synapse</i> , 2006 , 60, 371-83	2.4	10
22	Effect of Rotigotine vs Placebo on Cognitive Functions Among Patients With Mild to Moderate Alzheimer Disease: A Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e2010372	10.4	10
21	Bromelain Degrades A β -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	3	9
20	Brain metabolic patterns in patients with suspected non-Alzheimer's pathophysiology (SNAP) and Alzheimer's disease (AD): is [F] FDG a specific biomarker in these patients?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1796-1805	8.8	8
19	Brain energy metabolism and neurodegeneration: hints from CSF lactate levels in dementias. <i>Neurobiology of Aging</i> , 2021 , 105, 333-339	5.6	8
18	MANGANESE DETECTED BY ELECTRON SPECTROSCOPY IMAGING AND ELECTRON ENERGY LOSS SPECTROSCOPY IN MITOCHONDRIA OF NORMAL RAT BRAIN CELLS. <i>Instrumentation Science and Technology</i> , 2002 , 20, 481-491		6
17	Dopamine denervation induces neurotensin immunoreactivity in GABA-parvalbumin striatal neurons. <i>Synapse</i> , 2001 , 41, 360-2	2.4	5
16	Kyphoplasty: a new opportunity for rehabilitation of neurologic disabilities. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2004 , 83, 810-2	2.6	4

15	Insulin and the Future Treatment of Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016 , 15, 660-4	2.6	4
14	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	2.2	4
13	Cognitive reserve and Alzheimer's biological continuum: clues for prediction and prevention of dementia. <i>Minerva Medica</i> , 2021 , 112, 441-447	2.2	4
12	Transient global amnesia: linked to a systemic disorder of amino acid catabolism?. <i>Journal of Neurology</i> , 2013 , 260, 1429-32	5.5	3
11	Ageing as a Trait de Union between diabetes and dementia for frailty. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 520-4	2.6	3
10	The role of epsilon phenotype in brain glucose consumption in Alzheimer's disease. <i>Annals of Nuclear Medicine</i> , 2020 , 34, 254-262	2.5	3
9	Haemodynamic impairment along the Alzheimer's disease continuum. <i>European Journal of Neurology</i> , 2021 , 28, 2168-2173	6	3
8	The Brain Metabolic Correlates of the Main Indices of Neuropsychological Assessment in Alzheimer's Disease. <i>Journal of Personalized Medicine</i> , 2020 , 10,	3.6	2
7	Lacosamide in the Management of Behavioral Symptoms in Frontotemporal Dementia: A 2-Case Report. <i>Alzheimer Disease and Associated Disorders</i> , 2018 , 32, 364-365	2.5	2
6	Clinical Profile of Alzheimer's Disease Non-Responder Patient 2011 ,		2
5	Alzheimer's Disease and the Routine Clinical Use of CSF Biomarkers. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017 , 16, 407-413	2.6	1
4	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	6	1
3	Gamma-induction in frontotemporal dementia (GIFTeD) randomized placebo-controlled trial: Rationale, noninvasive brain stimulation protocol, and study design.. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021 , 7, e12219	6	0
2	Manganese Toxicity: A Critical Reappraisal 2003 , 415-425		
1	C57BL/6J and DBA/2J strains present opposite sex differences in flash visual evoked potential latency: A possible confusing factor in gender studies on neurological diseases' transgenic models. <i>Brain Research Bulletin</i> , 2021 , 176, 18-24	3.9	