Antonello Novelli

List of Publications by Year
in descending order

68 papers	2,772 citations	304743 22 h-index	175258 52 g-index
70 all docs	70 docs citations	70 times ranked	2140 citing authors

#	Article	IF	Citations
1	Glutamate becomes neurotoxic via the N-methyl-d-aspartate receptor when intracellular energy levels are reduced. Brain Research, 1988, 451, 205-212.	2.2	973
2	Neurotoxicity at the Nâ€Methylâ€Dâ€Aspartate Receptor in Energyâ€Compromised Neurons An Hypothesis for Cell Death in Aging and Disease. Annals of the New York Academy of Sciences, 1989, 568, 225-233.	3.8	163
3	Nuclear factor ÎºB is a critical determinant in N-methyl-d-aspartate receptor-mediated neuroprotection. Journal of Neurochemistry, 2001, 78, 254-264.	3.9	155
4	Aluminum-induced degeneration of astrocytes occurs via apoptosis and results in neuronal death. Brain Research, 1999, 835, 125-136.	2.2	125
5	cGMP synthesis in cultured cerebellar neurons is stimulated by glutamate via a Ca2+-mediated, differentiation-dependent mechanism. Developmental Brain Research, 1987, 34, 307-310.	1.7	116
6	Domoic acid-containing toxic mussels produce neurotoxicity in neuronal cultures through a synergism between excitatory amino acids. Brain Research, 1992, 577, 41-48.	2.2	81
7	Basic fibroblast growth factor protects cerebellar neurons in primary culture from NMDA and non-NMDA receptor mediated neurotoxicity. FEBS Letters, 1993, 335, 124-131.	2.8	78
8	Preconditioning and neurotrophins: a model for brain adaptation to seizures, ischemia and other stressful stimuli. Amino Acids, 2007, 32, 299-304.	2.7	70
9	N-methyl-D-aspartate and TrkB receptors protect neurons against glutamate excitotoxicity through an extracellular signal-regulated kinase pathway. Journal of Neuroscience Research, 2005, 80, 104-113.	2.9	62
10	Potent Neurotoxic Action of the Shellfish Biotoxin Yessotoxin on Cultured Cerebellar Neurons. Toxicological Sciences, 2006, 90, 168-177.	3.1	61
11	Mitochondrial Alterations in Peripheral Mononuclear Blood Cells from Alzheimerâ€™s Disease and Mild Cognitive Impairment Patients. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-11.	4.0	50
12	The marine toxin okadaic acid is a potent neurotoxin for cultured cerebellar neurons. Life Sciences, 1991, 49, PL157-PL162.	4.3	48
13	Nefopam inhibits calcium influx, cGMP formation, and NMDA receptor-dependent neurotoxicity following activation of voltage sensitive calcium channels. Amino Acids, 2005, 28, 183-191.	2.7	48
14	Inhibition of protein phosphatases induces IGF-1-blocked neurotrophin-insensitive neuronal apoptosis. FEBS Letters, 1996, 398, 106-112.	2.8	45
15	Competitive electrochemical immunosensor for the detection of unfolded p53 protein in blood as biomarker for Alzheimerâ€™s disease. Analytica Chimica Acta, 2020, 1093, 28-34.	5.4	40
16	Belizentrin, a Highly Bioactive Macrocycle from the Dinoflagellate <i>Prorocentrum belizeanum</i>. Organic Letters, 2014, 16, 4546-4549.	4.6	38
17	Bifunctional Au@Pt/Au core@shell Nanoparticles As Novel Electrocatalytic Tags in Immunosensing: Application for Alzheimerâ€™s Disease Biomarker Detection. Analytical Chemistry, 2020, 92, 7209-7217.	6.5	38
18	Neuronal Sensitization and Its Behavioral Correlates in a Rat Model of Neuropathy Are Prevented by a Cyclic Analog of Orphenadrine. Journal of Neurotrauma, 2003, 20, 593-601.	3.4	37

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19	Nefopam, an analogue of orphenadrine, protects against both NMDA receptor-dependent and independent veratridine-induced neurotoxicity. Amino Acids, 2002, 23, 31-36.	2.7	35
20	Comparison of Extracellular and Intracellular Blood Compartments Highlights Redox Alterations in Alzheimer's and Mild Cognitive Impairment Patients. Current Alzheimer Research, 2016, 14, 112-122.	1.4	33
21	Inhibition of protein phosphatases impairs the ability of astrocytes to detoxify hydrogen peroxide. Free Radical Biology and Medicine, 2008, 44, 1806-1816.	2.9	31
22	Antihistamine terfenadine potentiates NMDA receptor-mediated calcium influx, oxygen radical formation, and neuronal death. Brain Research, 2000, 880, 17-27.	2.2	24
23	DL-threo-3-hydroxyaspartate reduces NMDA receptor activation by glutamate in cultured neurons. European Journal of Pharmacology, 1991, 194, 131-132.	3.5	22
24	Novel effect of nefopam preventing cGMP increase, oxygen radical formation and neuronal death induced by veratridine. Neuropharmacology, 2001, 41, 935-942.	4.1	22
25	Na⁺/K⁺â€ATPase inhibitor palytoxin enhances vulnerability of cultured cerebellar neurons to domoic acid via sodiumâ€dependent mechanisms. Journal of Neurochemistry, 2010, 114, 28-38.	3.9	21
26	Uptake of imipramine in neurons cultured from rat cerebellum. Brain Research, 1987, 411, 291-297.	2.2	20
27	Developmental induction of glutaminase in primary cultures of cerebellar granule cells. Molecular Brain Research, 1989, 6, 47-54.	2.3	20
28	Development of voltage-dependent ionic currents in rat cerebellar granule cells grown in primaryculture. International Journal of Neuroscience, 1991, 56, 193-200.	1.6	20
29	The Marine Toxin Dinophysistoxin-2 Induces Differential Apoptotic Death of Rat Cerebellar Neurons and Astrocytes. Toxicological Sciences, 2004, 80, 74-82.	3.1	19
30	Neurotoxic Effect of Okadaic Acid, A Seafood-related Toxin, on Cultured Cerebellar Neurons. Annals of the New York Academy of Sciences, 1993, 679, 260-269.	3.8	18
31	Nefopam is more potent than carbamazepine for neuroprotection against veratridine in vitro and has anticonvulsant properties against both electrical and chemical stimulation. Amino Acids, 2007, 32, 323-332.	2.7	16
32	Thyrotrophin and prolactin responses to thyrotrophin-releasing hormone in patients with Parkinson's disease. European Journal of Endocrinology, 1982, 99, 344-351.	3.7	15
33	Prorocentroic Acid, a Neuroactive Super-Carbon-Chain Compound from the Dinoflagellate Prorocentrum hoffmannianum. Organic Letters, 2021, 23, 13-18.	4.6	15
34	Growth hormone and prolactin stimulation by Madopar in Parkinson's disease. Journal of Neurology, Neurosurgery and Psychiatry, 1981, 44, 1116-1123.	1.9	14
35	Antihistamine terfenadine inhibits calcium influx, cGMP formation, and NMDA receptor-dependent neurotoxicity following activation of L-type voltage sensitive calcium channels. Neurotoxicity Research, 2002, 4, 15-23.	2.7	14
36	Terfenadine prevents NMDA receptor-dependent and -independent toxicity following sodium channel activation. Brain Research, 1999, 842, 478-481.	2.2	13

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37	Repurposing Ketamine in Depression and Related Disorders: Can This Enigmatic Drug Achieve Success?. Frontiers in Neuroscience, 2021, 15, 657714.	2.8	13
38	The development of oxidative metabolism in diencephalic structures of the rat: A quantitative study. Brain Research Bulletin, 1996, 41, 31-38.	3.0	12
39	Early prediction of developing spontaneous activity in cultured neuronal networks. Scientific Reports, 2021, 11, 20407.	3.3	12
40	RNA synthesis-dependent potentiation of Î±-amino-3-hydroxy-5-methyl-4-isoxazole propionate receptor-mediated toxicity by antihistamine terfenadine in cultured rat cerebellar neurons. Neuroscience Letters, 2003, 345, 136-140.	2.1	11
41	Excitatory amino acids in epilepsy: from the clinics to the laboratory. Amino Acids, 2007, 32, 295-297.	2.7	11
42	Terfenadine induces toxicity in cultured cerebellar neurons: A role for glutamate receptors. Amino Acids, 1999, 16, 59-70.	2.7	10
43	Comparison of the in vitro and in vivo neurotoxicity of three new sources of kainic acid. Amino Acids, 2002, 23, 45-54.	2.7	10
44	Unfolded p53 as a Marker of Oxidative Stress in Mild Cognitive Impairment, Alzheimerâ€™s and Parkinsonâ€™s Disease. Current Alzheimer Research, 2021, 18, 695-700.	1.4	10
45	NMDA receptor dependent and independent components of veratridine toxicity in cultured cerebellar neurons are prevented by nanomolar concentrations of terfenadine. Amino Acids, 2000, 19, 263-272.	2.7	9
46	In vivo Supersensitivity of the Anterior Pituitary of Old Female Rats to Dopaminergic Inhibition of Prolactin Secretion. Gerontology, 1984, 30, 345-349.	2.8	8
47	Comparative Toxicological Study of the Novel Protein Phosphatase Inhibitor 19-Epi-Okadaic Acid in Primary Cultures of Rat Cerebellar Cells. Toxicological Sciences, 2013, 132, 409-418.	3.1	7
48	Selective Enhancement of Domoic Acid Toxicity in Primary Cultures of Cerebellar Granule Cells by Lowering Extracellular Na+ Concentration. Toxicological Sciences, 2018, 161, 103-114.	3.1	7
49	Glutamate and Neurodegeneration. , 2005, , 447-472.		7
50	The amnesic shellfish poison domoic acid enhances neurotoxicity by excitatory amino acids in cultured neurons. Amino Acids, 1992, 2, 233-244.	2.7	7
51	Evaluation of Tuberoinfundibular Dopamine Function by Neuropharmacologic Means in Old Male Rats. Gerontology, 1983, 29, 362-369.	2.8	6
52	Prolactin and thyrotropin response to blockade of dopamine synthesis by monoiodotyrosine in subjects with postpartum and pathological hyperprolactinemia. Journal of Endocrinological Investigation, 1985, 8, 35-40.	3.3	5
53	Veratrine- and glutamate-stimulated cGMP production in cultured rat neurons is differentially inhibited by imipramine. European Journal of Pharmacology, 1985, 118, 189-190.	3.5	5
54	Hypothalamic neurotransmitter function in experimentally induced hyperprolactinemia. Brain Research, 1984, 324, 233-241.	2.2	4

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55	Cellular and Molecular Responses of Cultured Neurons to Stressful Stimuli. Dose-Response, 2011, 9, dose-response.1.	1.6	4
56	Excitatory amino acid response in cultured rat striatal neurons results in a developmentally regulated cGMP formation. International Journal of Developmental Neuroscience, 1993, 11, 425-434.	1.6	3
57	The palytoxin analogue 42-OH-PLTX mimics the effects of palytoxin in primary neuronal cultures. Toxicology Letters, 2011, 205, S156.	0.8	2
58	Famous faces naming test predicts conversion from mild cognitive impairment to Alzheimerâ€™s disease. Acta Neurologica Belgica, 2021, 121, 1721-1727.	1.1	2
59	A new and short protocol to achieve the early diagnosis of mild cognitive impairment. Neurological Sciences, 2021, 42, 3687-3694.	1.9	2
60	Two components in neurotoxicity by L-2-amino-3-phosphonopropionate in cultured cerebellar neurons. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1994, 270, 361-364.	0.8	1
61	Introduction: Signaling in neurodegeneration (Chapter 2). Amino Acids, 2005, 28, 165-167.	2.7	1
62	Evaluation of hypothalamic dopaminergic function by neuropharmacologic means in aged women. Journal of Neural Transmission, 1985, 64, 199-210.	2.8	0
63	P3â€170: An Open ISOFORM of P53 as an Early Biomarker of Blood Redox Alterations in Alzheimerâ€™s Disease: Development of an Easy and Reproducible Assay. Alzheimer's and Dementia, 2016, 12, P884.	0.8	0
64	[P3â€"221]: A BLOODâ€BASED REDOX PROFILE AS A FINGERPRINT FOR ALZHEIMER PATHOLOGY. Alzheimer's and Dementia, 2017, 13, P1022.	0.8	0
65	[P3â€"227]: A NEW PUTATIVE EARLY BIOMARKER FOR A BLOODâ€BASED TIMELY DIAGNOSIS FOR ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P1025.	0.8	0
66	P2â€241: FROM BLOODâ€BASED REDOX PROFILE TO THE IDENTIFICATION OF A LEAD BIOMARKER FOR THE TIMELY DIAGNOSIS OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P765.	0.8	0
67	Potential neurotoxins: Okadaic acid and analogs. Advances in Neurotoxicology, 2021, 6, 193-221.	1.9	0
68	Potential neurotoxins: Palytoxins. Advances in Neurotoxicology, 2021, 6, 223-273.	1.9	0