

Barbara Monti

List of Publications by Year in descending order

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76
papers

10,419
citations

159358

30
h-index

74018

75
g-index

78
all docs

78
docs citations

78
times ranked

16208
citing authors

#	ARTICLE	IF	CITATIONS
1	TDP-43 Modulation by Tau-Tubulin Kinase 1 Inhibitors: A New Avenue for Future Amyotrophic Lateral Sclerosis Therapy. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1585-1607.	2.9	20
2	Dietary Protein Source Influences Brain Inflammation and Memory in a Male Senescence-Accelerated Mouse Model of Dementia. <i>Molecular Neurobiology</i> , 2021, 58, 1312-1329.	1.9	1
3	From Combinations to Single-Molecule Polypharmacology—Cromolyn-Ibuprofen Conjugates for Alzheimer's Disease. <i>Molecules</i> , 2021, 26, 1112.	1.7	6
4	Epigenetics and Communication Mechanisms in Microglia Activation with a View on Technological Approaches. <i>Biomolecules</i> , 2021, 11, 306.	1.8	10
5	Melatonin- and Ferulic Acid-Based HDAC6 Selective Inhibitors Exhibit Pronounced Immunomodulatory Effects <i>In Vitro</i> and Neuroprotective Effects in a Pharmacological Alzheimer's Disease Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3794-3812.	2.9	34
6	p57kip2 nuclear export as a marker of oligodendrocytes differentiation: Towards an innovative phenotyping screening for the identification of myelin repair drugs. <i>EBioMedicine</i> , 2021, 66, 103298.	2.7	1
7	Phenothiazine-Tacrine Heterodimers: Pursuing Multitarget Directed Approach in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1698-1715.	1.7	16
8	Selective Pseudo-irreversible Butyrylcholinesterase Inhibitors Transferring Antioxidant Moieties to the Enzyme Show Pronounced Neuroprotective Efficacy <i>In Vitro</i> and <i>In Vivo</i> in an Alzheimer's Disease Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9302-9320.	2.9	26
9	Histone Acetylation Defects in Brain Precursor Cells: A Potential Pathogenic Mechanism Causing Proliferation and Differentiation Dysfunctions in Mitochondrial Aspartate-Glutamate Carrier Isoform 1 Deficiency. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 773709.	1.8	0
10	±-Linolenic Acid—Valproic Acid Conjugates: Toward Single-Molecule Polypharmacology for Multiple Sclerosis. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2406-2413.	1.3	8
11	N-1,2,3-triazole-isatin derivatives for cholinesterase and β -amyloid aggregation inhibition: A comprehensive bioassay study. <i>Bioorganic Chemistry</i> , 2020, 98, 103753.	2.0	32
12	Tacrine-O-protected phenolics heterodimers as multitarget-directed ligands against Alzheimer's disease: Selective subnanomolar BuChE inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111550.	2.6	21
13	Dual-Acting Cholinesterase—Human Cannabinoid Receptor 2 Ligands Show Pronounced Neuroprotection <i>In Vitro</i> and Overadditive and Disease-Modifying Neuroprotective Effects <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9078-9102.	2.9	35
14	Deficiency of Mitochondrial Aspartate-Glutamate Carrier 1 Leads to Oligodendrocyte Precursor Cell Proliferation Defects Both <i>In Vitro</i> and <i>In Vivo</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 4486.	1.8	10
15	Discovery of novel benzofuran-based compounds with neuroprotective and immunomodulatory properties for Alzheimer's disease treatment. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 243-258.	2.6	32
16	Novel Sustainable-by-Design HDAC Inhibitors for the Treatment of Alzheimer's Disease. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 671-676.	1.3	20
17	Discovery of the First-in-Class GSK-3 β /HDAC Dual Inhibitor as Disease-Modifying Agent To Combat Alzheimer's Disease. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 469-474.	1.3	32
18	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 491-514.	2.6	75

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19	A Focused Library of Psychotropic Analogues with Neuroprotective and Neuroregenerative Potential. <i>ACS Chemical Neuroscience</i> , 2019, 10, 279-294.	1.7	18
20	Long Interspersed nuclear Elements (LINEs) in brain and non-brain tissues of the rat. <i>Cell and Tissue Research</i> , 2018, 374, 17-24.	1.5	6
21	Release of soluble and vesicular purine nucleoside phosphorylase from rat astrocytes and microglia induced by pro-inflammatory stimulation with extracellular ATP via P2X 7 receptors. <i>Neurochemistry International</i> , 2018, 115, 37-49.	1.9	22
22	Microglial overexpression of fALS-linked mutant SOD1 induces SOD1 processing impairment, activation and neurotoxicity and is counteracted by the autophagy inducer trehalose. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3771-3785.	1.8	24
23	Tau-Centric Multitarget Approach for Alzheimer's Disease: Development of First-in-Class Dual Glycogen Synthase Kinase 3 β and Tau-Aggregation Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7640-7656.	2.9	81
24	Down-regulation of the mitochondrial aspartate-glutamate carrier isoform 1 AGC1 inhibits proliferation and N-acetylaspartate synthesis in Neuro2A cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1422-1435.	1.8	22
25	Evidence for purine nucleoside phosphorylase (PNP) release from rat C6 glioma cells. <i>Journal of Neurochemistry</i> , 2017, 141, 208-221.	2.1	11
26	Tacrine-resveratrol fused hybrids as multi-target-directed ligands against Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 250-262.	2.6	95
27	New tacrine dimers with antioxidant linkers as dual drugs: Anti-Alzheimer's and antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 761-773.	2.6	57
28	Nutritional and Pharmacological Strategies to Regulate Microglial Polarization in Cognitive Aging and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 175.	1.7	37
29	Zinc supplementation in rats impairs hippocampal-dependent memory consolidation and dampens post-traumatic recollection of stressful event. <i>European Neuropsychopharmacology</i> , 2016, 26, 1070-1082.	0.3	12
30	Characterization of DNA methylation as a function of biological complexity via dinucleotide inter-distances. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150227.	1.6	7
31	Changing paradigm to target microglia in neurodegenerative diseases: from anti-inflammatory strategy to active immunomodulation. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 627-640.	1.5	53
32	Neuronal Regulation of Neuroprotective Microglial Apolipoprotein E Secretion in Rat In Vitro Models of Brain Pathophysiology. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 818-834.	0.9	13
33	3,4-Dihydro-1,3,5-triazin-2(1 <i>H</i>)-ones as the First Dual BACE-1/GSK-3 β Fragment Hits against Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1665-1682.	1.7	54
34	Novel Tacrine-Grafted Ugi Adducts as Multipotent Anti-Alzheimer Drugs: A Synthetic Renewal in Tacrine-Ferulic Acid Hybrids. <i>ChemMedChem</i> , 2015, 10, 523-539.	1.6	62
35	Multitarget Drug Discovery for Alzheimer's Disease: Triazinones as BACE-1 and GSK-3 β Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1578-1582.	7.2	107
36	CRY1 Variations Impacts on the Depressive Relapse Rate in a Sample of Bipolar Patients. <i>Psychiatry Investigation</i> , 2015, 12, 118.	0.7	10

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37	The transcription factor <sc>CCAAT</sc> enhancerâ€binding protein $\hat{1}^2$ protects rat cerebellar granule neurons from apoptosis through its transcriptionâ€activating isoforms. <i>European Journal of Neuroscience</i> , 2014, 39, 176-185.	1.2	20
38	Genetic Variations within Metalloproteinases Impact on the Prophylaxis of Depressive Phases in Bipolar Patients. <i>Neuropsychobiology</i> , 2014, 69, 76-82.	0.9	6
39	Multitarget Drug Design Strategy: Quinoneâ€Tacrine Hybrids Designed To Block Amyloid- $\hat{1}^2$ Aggregation and To Exert Anticholinesterase and Antioxidant Effects. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8576-8589.	2.9	139
40	The Bivalent Ligand Approach as a Tool for Improving the in vitro Antiâ€Alzheimer Multitarget Profile of Dimebon. <i>ChemMedChem</i> , 2013, 8, 1276-1281.	1.6	30
41	Chronic valproic acid administration impairs contextual memory and dysregulates hippocampal GSK- $3\hat{1}^2$ in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 106, 8-15.	1.3	20
42	Copper-Zinc Superoxide Dismutase (SOD1) Is Released by Microglial Cells and Confers Neuroprotection against 6-OHDA Neurotoxicity. <i>NeuroSignals</i> , 2013, 21, 112-128.	0.5	7,097
43	Histone Post-translational Modifications to Target Memory-related Diseases. <i>Current Pharmaceutical Design</i> , 2013, 19, 5065-5075.	0.9	10
44	Histone Post-translational Modifications in Huntington’s and Parkinson’s Diseases. <i>Current Pharmaceutical Design</i> , 2013, 19, 5085-5092.	0.9	19
45	Neuronal-glia Interactions Define the Role of Nitric Oxide in Neural Functional Processes. <i>Current Neuropharmacology</i> , 2012, 10, 303-310.	1.4	28
46	Neuronal-glia Interactions Define the Role of Nitric Oxide in Neural Functional Processes. <i>Current Neuropharmacology</i> , 2012, 10, 303-310.	1.4	25
47	Histone Deacetylase (HDAC) Inhibitors as Potential Drugs to Target Memory and Adult Hippocampal Neurogenesis. <i>Current Psychopharmacology</i> , 2012, 1, 14-28.	0.1	2
48	Histone Deacetylase (HDAC) Inhibitors as Potential Drugs to Target Memory and Adult Hippocampal Neurogenesis. <i>Current Psychopharmacology</i> , 2012, 1, 14-28.	0.1	1
49	Valproic Acid is Neuroprotective in the Rotenone Rat Model of Parkinsonâ€™s Disease: Involvement of $\hat{1}\pm$ -Synuclein. <i>Neurotoxicity Research</i> , 2010, 17, 130-141.	1.3	167
50	Microglia and neuroprotection: From in vitro studies to therapeutic applications. <i>Progress in Neurobiology</i> , 2010, 92, 293-315.	2.8	226
51	Biochemical, Molecular and Epigenetic Mechanisms of Valproic Acid Neuroprotection. <i>Current Molecular Pharmacology</i> , 2009, 2, 95-109.	0.7	195
52	Chronic Dietary Administration of Valproic Acid Protects Neurons of the Rat Nucleus Basalis Magnocellularis from Ibotenic Acid Neurotoxicity. <i>Neurotoxicity Research</i> , 2009, 15, 127-132.	1.3	24
53	Neuroprotection of microglial conditioned medium on 6â€hydroxydopamineâ€induced neuronal death: role of transforming growth factor betaâ€2. <i>Journal of Neurochemistry</i> , 2009, 110, 545-556.	2.1	61
54	Memory-Enhancing Drugs: A Molecular Perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 769-781.	1.1	8

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55	In vitro and in vivo toxicity of type 2 ribosome-inactivating proteins lanceolin and stenodactylin on glial and neuronal cells. <i>NeuroToxicology</i> , 2007, 28, 637-644.	1.4	22
56	Alpha-synuclein protects cerebellar granule neurons against 6-hydroxydopamine-induced death. <i>Journal of Neurochemistry</i> , 2007, 103, 518-530.	2.1	49
57	Subchronic Risperidone Delivery Activates Hippocampal CREB and Arc, Enhances Retention and Slows Down Extinction of Conditioned Fear. <i>Neuropsychopharmacology</i> , 2006, 31, 278-286.	2.8	101
58	Dysregulation of memory-related proteins in the hippocampus of aged rats and their relation with cognitive impairment. <i>Hippocampus</i> , 2005, 15, 1041-1049.	0.9	65
59	Disease-related regressive alterations of forebrain cholinergic system in SOD1 mutant transgenic mice. <i>Neurochemistry International</i> , 2005, 46, 357-368.	1.9	21
60	Alterations of markers related to synaptic function in aging rat brain, in normal conditions or under conditions of long-term dietary manipulation. <i>Neurochemistry International</i> , 2004, 44, 579-584.	1.9	29
61	Selective alteration of DNA fragmentation and caspase activity in the spinal cord of aged rats and effect of dietary restriction. <i>Brain Research</i> , 2003, 992, 137-141.	1.1	13
62	Brain Nitric Oxide and Its Dual Role in Neurodegeneration / Neuroprotection: Understanding Molecular Mechanisms to Devise Drug Approaches. <i>Current Medicinal Chemistry</i> , 2003, 10, 2147-2174.	1.2	79
63	Regional alterations of the NO/NOS system in the aging brain: a biochemical, histochemical and immunochemical study in the rat. <i>Brain Research</i> , 2002, 933, 31-41.	1.1	47
64	NMDA receptor-dependent CREB activation in survival of cerebellar granule cells during in vivo and in vitro development. <i>European Journal of Neuroscience</i> , 2002, 16, 1490-1498.	1.2	59
65	Ornithine Decarboxylase Activity During Development of Cerebellar Granule Neurons. <i>Journal of Neurochemistry</i> , 2002, 71, 1898-1904.	2.1	13
66	Characterization of ceramide-induced apoptotic death in cerebellar granule cells in culture. <i>Neurochemistry International</i> , 2001, 39, 11-18.	1.9	33
67	Ricin toxicity to microglial and monocytic cells. <i>Neurochemistry International</i> , 2001, 39, 83-93.	1.9	14
68	Topography of neurochemical alterations in the CNS of aged rats. <i>International Journal of Developmental Neuroscience</i> , 2001, 19, 109-116.	0.7	14
69	Fornix-Dependent Induction of Hippocampal CCAAT Enhancer-Binding Protein β and γ Co-Localizes with Phosphorylated cAMP Response Element-Binding Protein and Accompanies Long-Term Memory Consolidation. <i>Journal of Neuroscience</i> , 2001, 21, 84-91.	1.7	167
70	The consolidation of new but not reactivated memory requires hippocampal C/EBP β . <i>Nature Neuroscience</i> , 2001, 4, 813-818.	7.1	384
71	Blockade of the NMDA receptor increases developmental apoptotic elimination of granule neurons and activates caspases in the rat cerebellum. <i>European Journal of Neuroscience</i> , 2000, 12, 3117-3123.	1.2	81
72	Developmental effects of in vivo and in vitro inhibition of nitric oxide synthase in neurons. <i>Brain Research</i> , 1999, 839, 164-172.	1.1	37

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73	On the role of high-potential iron-sulfur proteins and cytochromes in the respiratory chain of two facultative phototrophs. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1410, 51-60.	0.5	18
74	Alteration of neuronal nitric oxide synthase activity and expression in the cerebellum and the forebrain of microencephalic rats. <i>Brain Research</i> , 1998, 793, 54-60.	1.1	10
75	Differential Toxicity of Protease Inhibitors in Cultures of Cerebellar Granule Neurons. <i>Experimental Neurology</i> , 1998, 153, 335-341.	2.0	8
76	The electron transport system of the halophilic purple nonsulfur bacterium <i>Rhodospirillum salinarum</i> . I. A functional and thermodynamic analysis of the respiratory chain in aerobically and photosynthetically grown cells. <i>Archives of Microbiology</i> , 1997, 168, 302-309.	1.0	7