Carla L Busceti

List of Publications by Year
in descending order

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102	4,391	81743	114278
papers	citations	39 h-index	63 g-index

102	102	102	6267
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parkinson-like syndrome induced by continuous MPTP infusion: Convergent roles of the ubiquitin-proteasome system and Â-synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3413-3418.	3.3	480
2	Fine Structure and Biochemical Mechanisms Underlying Nigrostriatal Inclusions and Cell Death after Proteasome Inhibition. Journal of Neuroscience, 2003, 23, 8955-8966.	1.7	188
3	Epigenetic Modulation of mGlu2 Receptors by Histone Deacetylase Inhibitors in the Treatment of Inflammatory Pain. Molecular Pharmacology, 2009, 75, 1014-1020.	1.0	173
4	Metabotropic glutamate receptor-4 modulates adaptive immunity and restrains neuroinflammation. Nature Medicine, 2010, 16, 897-902.	15.2	138
5	Selective Blockade of mGlu5 Metabotropic Glutamate Receptors Is Protective against Methamphetamine Neurotoxicity. Journal of Neuroscience, 2002, 22, 2135-2141.	1.7	134
6	Induction of Dickkopf-1, a Negative Modulator of the Wnt Pathway, Is Required for the Development of Ischemic Neuronal Death. Journal of Neuroscience, 2005, 25, 2647-2657.	1.7	127
7	Endogenous activation of metabotropic glutamate receptors supports the proliferation and survival of neural progenitor cells. Cell Death and Differentiation, 2005, 12, 1124-1133.	5.0	124
8	Endogenous Activation of mGlu5 Metabotropic Glutamate Receptors Contributes to the Development of Nigro-Striatal Damage Induced by 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine in Mice. Journal of Neuroscience, 2004, 24, 828-835.	1.7	113
9	Pharmacological Activation of mGlu4 Metabotropic Glutamate Receptors Reduces Nigrostriatal Degeneration in Mice Treated with 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine. Journal of Neuroscience, 2006, 26, 7222-7229.	1.7	108
10	Induction of the Wnt Antagonist, Dickkopf-1, Contributes to the Development of Neuronal Death in Models of Brain Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 264-276.	2.4	108
11	Microtubule Alterations Occur Early in Experimental Parkinsonism and The Microtubule Stabilizer Epothilone D Is Neuroprotective. Scientific Reports, 2013, 3, 1837.	1.6	103
12	Intracellular pathways underlying the effects of lithium. Behavioural Pharmacology, 2010, 21, 473-492.	0.8	99
13	Induction of the Wnt Inhibitor, Dickkopf-1, Is Associated with Neurodegeneration Related to Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 694-705.	2.6	91
14	mTOR-Related Brain Dysfunctions in Neuropsychiatric Disorders. International Journal of Molecular Sciences, 2018, 19, 2226.	1.8	84
15	Activation of Group III Metabotropic Glutamate Receptors Inhibits the Production of RANTES in Glial Cell Cultures. Journal of Neuroscience, 2002, 22, 5403-5411.	1.7	79
16	TGF-Î²1 protects against AÎ²-neurotoxicity via the phosphatidylinositol-3-kinase pathway. Neurobiology of Disease, 2008, 30, 234-242.	2.1	74
17	Tumor Necrosis Factor-Î± Mediates Hemolysis-Induced Vasoconstriction and the Cerebral Vasospasm Evoked by Subarachnoid Hemorrhage. Hypertension, 2009, 54, 150-156.	1.3	70
18	The inflammatory protein Pentraxin 3 in cardiovascular disease. Immunity and Ageing, 2016, 13, 25.	1.8	69

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19	PHCCC, a Specific Enhancer of Type 4 Metabotropic Glutamate Receptors, Reduces Proliferation and Promotes Differentiation of Cerebellar Granule Cell Neuroprecursors. Journal of Neuroscience, 2004, 24, 10343-10352.	1.7	65
20	Occurrence of neuronal inclusions combined with increased nigral expression of Î±-synuclein within dopaminergic neurons following treatment with amphetamine derivatives in mice. Brain Research Bulletin, 2005, 65, 405-413.	1.4	65
21	Early defect of transforming growth factor Î²1 formation in Huntingtonâ€™s disease. Journal of Cellular and Molecular Medicine, 2011, 15, 555-571.	1.6	64
22	Epigenetic Effects Induced by Methamphetamine and Methamphetamine-Dependent Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-28.	1.9	63
23	Protective role of group-II metabotropic glutamate receptors against nigro-striatal degeneration induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. Neuropharmacology, 2003, 45, 155-166.	2.0	60
24	Transglutaminase 2 ablation leads to defective function of mitochondrial respiratory complex I affecting neuronal vulnerability in experimental models of extrapyramidal disorders. Journal of Neurochemistry, 2007, 100, 36-49.	2.1	57
25	Induction of the Wnt Antagonist Dickkopf-1 Is Involved in Stress-Induced Hippocampal Damage. PLoS ONE, 2011, 6, e16447.	1.1	56
26	The Wnt Antagonist, Dickkopf-1, as a Target for the Treatment of Neurodegenerative Disorders. Neurochemical Research, 2008, 33, 2401-2406.	1.6	55
27	The Effects of Amphetamine and Methamphetamine on the Release of Norepinephrine, Dopamine and Acetylcholine From the Brainstem Reticular Formation. Frontiers in Neuroanatomy, 2019, 13, 48.	0.9	52
28	Potential Antidepressant Effects of Scutellaria baicalensis, Hericium erinaceus and Rhodiola rosea. Antioxidants, 2020, 9, 234.	2.2	51
29	Mechanisms involved in the formation of dopamine-induced intracellular bodies within striatal neurons. Journal of Neurochemistry, 2007, 101, 1414-1427.	2.1	49
30	Activation of mGlu3 Receptors Stimulates the Production of GDNF in Striatal Neurons. PLoS ONE, 2009, 4, e6591.	1.1	48
31	Cinnabarinic acid, an endogenous agonist of type-4 metabotropic glutamate receptor, suppresses experimental autoimmune encephalomyelitis in mice. Neuropharmacology, 2014, 81, 237-243.	2.0	48
32	Phytochemicals Bridging Autophagy Induction and Alpha-Synuclein Degradation in Parkinsonism. International Journal of Molecular Sciences, 2019, 20, 3274.	1.8	48
33	Enhanced Tau Phosphorylation in the Hippocampus of Mice Treated with 3,4-Methylenedioxymethamphetamine (â€œEcstasyâ€). Journal of Neuroscience, 2008, 28, 3234-3245.	1.7	45
34	mTOR Modulates Methamphetamine-Induced Toxicity through Cell Clearing Systems. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-22.	1.9	45
35	A Sentinel in the Crosstalk Between the Nervous and Immune System: The (Immuno)-Proteasome. Frontiers in Immunology, 2019, 10, 628.	2.2	45
36	Epilepsy and Alzheimerâ€™s Disease: Potential mechanisms for an association. Brain Research Bulletin, 2020, 160, 107-120.	1.4	45

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37	Genetic or pharmacological blockade of noradrenaline synthesis enhances the neurochemical, behavioral, and neurotoxic effects of methamphetamine. Journal of Neurochemistry, 2008, 105, 471-483.	2.1	44
38	The Neuroanatomy of the Reticular Nucleus Locus Coeruleus in Alzheimerâ€™s Disease. Frontiers in Neuroanatomy, 2017, 11, 80.	0.9	44
39	The antioxidant drug dipyridamole spares the vitamin E and thiols in red blood cells after oxidative stress. Cardiovascular Research, 2000, 47, 510-514.	1.8	40
40	The Autophagoproteasome a Novel Cell Clearing Organelle in Baseline and Stimulated Conditions. Frontiers in Neuroanatomy, 2016, 10, 78.	0.9	38
41	Locus Coeruleus and neurovascular unit: From its role in physiology to its potential role in Alzheimerâ€™s disease pathogenesis. Journal of Neuroscience Research, 2020, 98, 2406-2434.	1.3	38
42	The role of Locus Coeruleus in neuroinflammation occurring in Alzheimerâ€™s disease. Brain Research Bulletin, 2019, 153, 47-58.	1.4	35
43	TREM Receptors Connecting Bowel Inflammation to Neurodegenerative Disorders. Cells, 2019, 8, 1124.	1.8	35
44	The Multi-Faceted Effect of Curcumin in Glioblastoma from Rescuing Cell Clearance to Autophagy-Independent Effects. Molecules, 2020, 25, 4839.	1.7	33
45	Molecular Mechanisms Linking ALS/FTD and Psychiatric Disorders, the Potential Effects of Lithium. Frontiers in Cellular Neuroscience, 2019, 13, 450.	1.8	31
46	Cell Clearing Systems as Targets of Polyphenols in Viral Infections: Potential Implications for COVID-19 Pathogenesis. Antioxidants, 2020, 9, 1105.	2.2	31
47	Previous exposure to (Â±) 3,4-methylenedioxymethamphetamine produces long-lasting alteration in limbic brain excitability measured by electroencephalogram spectrum analysis, brain metabolism and seizure susceptibility. Neuroscience, 2005, 136, 43-53.	1.1	29
48	Differential modulation of AMPK/PPARÎ±/UCP2 axis in relation to hypertension and aging in the brain, kidneys and heart of two closely related spontaneously hypertensive rat strains. Oncotarget, 2015, 6, 18800-18818.	0.8	27
49	The Effects of Locus Coeruleus and Norepinephrine in Methamphetamine Toxicity. Current Neuropharmacology, 2013, 11, 80-94.	1.4	26
50	Changes of peripheral TGF-Î²1 depend on monocytes-derived macrophages in Huntington disease. Molecular Brain, 2013, 6, 55.	1.3	26
51	Dickkopf-3 Upregulates VEGF in Cultured Human Endothelial Cells by Activating Activin Receptor-Like Kinase 1 (ALK1) Pathway. Frontiers in Pharmacology, 2017, 8, 111.	1.6	26
52	Systematic Morphometry of Catecholamine Nuclei in the Brainstem. Frontiers in Neuroanatomy, 2017, 11, 98.	0.9	26
53	Continuous subcutaneous infusion of apomorphine rescues nigro-striatal dopaminergic terminals following MPTP injection in mice. Neuropharmacology, 2002, 42, 367-373.	2.0	25
54	Cell Clearing Systems Bridging Neuro-Immunity and Synaptic Plasticity. International Journal of Molecular Sciences, 2019, 20, 2197.	1.8	24

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55	Alpha-1B adrenergic receptor knockout mice are protected against methamphetamine toxicity. Journal of Neurochemistry, 2004, 86, 413-421.	2.1	23
56	Prion Protein in Glioblastoma Multiforme. International Journal of Molecular Sciences, 2019, 20, 5107.	1.8	23
57	mTOR-Related Cell-Clearing Systems in Epileptic Seizures, an Update. International Journal of Molecular Sciences, 2020, 21, 1642.	1.8	23
58	AMPA receptor desensitization as a determinant of vulnerability to focally evoked status epilepticus. European Journal of Neuroscience, 2005, 21, 455-463.	1.2	22
59	Rapamycin Ameliorates Defects in Mitochondrial Fission and Mitophagy in Glioblastoma Cells. International Journal of Molecular Sciences, 2021, 22, 5379.	1.8	22
60	Overexpression of Â-Synuclein following Methamphetamine: Is It Good or Bad?. Annals of the New York Academy of Sciences, 2006, 1074, 191-197.	1.8	21
61	The effects of proteasome on baseline and methamphetamine-dependent dopamine transmission. Neuroscience and Biobehavioral Reviews, 2019, 102, 308-317.	2.9	21
62	5-HT2C serotonin receptor blockade prevents tau protein hyperphosphorylation and corrects the defect in hippocampal synaptic plasticity caused by a combination of environmental stressors in mice. Pharmacological Research, 2015, 99, 258-268.	3.1	18
63	A Focus on the Beneficial Effects of Alpha Synuclein and a Re-Appraisal of Synucleinopathies. Current Protein and Peptide Science, 2018, 19, 598-611.	0.7	17
64	The Role of Cellular Prion Protein in Promoting Stemness and Differentiation in Cancer. Cancers, 2021, 13, 170.	1.7	16
65	Vacuolar Protein Sorting Genes in Parkinson's Disease: A Re-appraisal of Mutations Detection Rate and Neurobiology of Disease. Frontiers in Neuroscience, 2016, 10, 532.	1.4	15
66	Neuroprotective Effects of Curcumin in Methamphetamine-Induced Toxicity. Molecules, 2021, 26, 2493.	1.7	15
67	Autophagy as a gateway for the effects of methamphetamine: From neurotransmitter release and synaptic plasticity to psychiatric and neurodegenerative disorders. Progress in Neurobiology, 2021, 204, 102112.	2.8	15
68	The connections of Locus Coeruleus with hypothalamus: potential involvement in Alzheimerâ€™s disease. Journal of Neural Transmission, 2021, 128, 589-613.	1.4	14
69	Methamphetamine increases Prion Protein and induces dopamine-dependent expression of protease resistant PrPsc. Archives Italiennes De Biologie, 2017, 155, 81-97.	0.1	14
70	Protection by Apomorphine in Two Independent Models of Acute Inhibition of Oxidative Metabolism in Rodents. Clinical and Experimental Hypertension, 2006, 28, 387-394.	0.5	13
71	Lack or Inhibition of Dopaminergic Stimulation Induces a Development Increase of Striatal Tyrosine Hydroxylase-Positive Interneurons. PLoS ONE, 2012, 7, e44025.	1.1	13
72	Dickkopf-3 Causes Neuroprotection by Inducing Vascular Endothelial Growth Factor. Frontiers in Cellular Neuroscience, 2018, 12, 292.	1.8	13

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73	Motor Neurons Pathology After Chronic Exposure to MPTP in Mice. Neurotoxicity Research, 2020, 37, 298-313.	1.3	13
74	Brain Overexpression of Uncoupling Protein-2 (UCP2) Delays Renal Damage and Stroke Occurrence in Stroke-Prone Spontaneously Hypertensive Rats. International Journal of Molecular Sciences, 2020, 21, 4289.	1.8	12
75	A Decrease of Brain MicroRNA-122 Level Is an Early Marker of Cerebrovascular Disease in the Stroke-Prone Spontaneously Hypertensive Rat. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	11
76	High number of striatal dopaminergic neurons during early postnatal development: correlation analysis with dopaminergic fibers. Journal of Neural Transmission, 2008, 115, 1375-1383.	1.4	10
77	Effects of Methamphetamine on the Cerebellar Cortex: A Preliminary Study. Annals of the New York Academy of Sciences, 2006, 1074, 149-153.	1.8	9
78	The Monoamine Brainstem Reticular Formation as a Paradigm for Re-Defining Various Phenotypes of Parkinsonâ€™s Disease Owing Genetic and Anatomical Specificity. Frontiers in Cellular Neuroscience, 2017, 11, 102.	1.8	9
79	The nature of catecholamine-containing neurons in the enteric nervous system in relationship with organogenesis, normal human anatomy and neurodegeneration. Archives Italiennes De Biologie, 2018, 155, 118-130.	0.1	9
80	Methamphetamine induces ectopic expression of tyrosine hydroxylase and increases noradrenaline levels within the cerebellar cortex. Neuroscience, 2007, 149, 871-884.	1.1	8
81	Behavioural and biochemical responses to methamphetamine are differentially regulated by mGlu2 and mGlu3 metabotropic glutamate receptors in male mice. Neuropharmacology, 2021, 196, 108692.	2.0	8
82	Corticosterone Upregulates Gene and Protein Expression of Catecholamine Markers in Organotypic Brainstem Cultures. International Journal of Molecular Sciences, 2019, 20, 2901.	1.8	7
83	Cell-Clearing Systems Bridging Repeat Expansion Proteotoxicity and Neuromuscular Junction Alterations in ALS and SBMA. International Journal of Molecular Sciences, 2020, 21, 4021.	1.8	7
84	Norepinephrine Protects against Methamphetamine Toxicity through Î²2-Adrenergic Receptors Promoting LC3 Compartmentalization. International Journal of Molecular Sciences, 2021, 22, 7232.	1.8	7
85	Region-specific DNA alterations in focally induced seizures. Journal of Neural Transmission, 2014, 121, 1399-1403.	1.4	6
86	The origin recognition complex subunit, ORC3, is developmentally regulated and supports the expression of biochemical markers of neuronal maturation in cultured cerebellar granule cells. Brain Research, 2010, 1358, 1-10.	1.1	5
87	A Re-Appraisal of Pathogenic Mechanisms Bridging Wet and Dry Age-Related Macular Degeneration Leads to Reconsider a Role for Phytochemicals. International Journal of Molecular Sciences, 2020, 21, 5563.	1.8	5
88	The Autophagy-Related Organelle Autophagoproteasome Is Suppressed within Ischemic Penumbra. International Journal of Molecular Sciences, 2021, 22, 10364.	1.8	5
89	Spreading of Alpha Synuclein from Glioblastoma Cells towards Astrocytes Correlates with Stem-like Properties. Cancers, 2022, 14, 1417.	1.7	5
90	In Pancreatic Adenocarcinoma Alpha-Synuclein Increases and Marks Peri-Neural Infiltration. International Journal of Molecular Sciences, 2022, 23, 3775.	1.8	5

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91	Ultrastructural characterization of peripheral denervation in a mouse model of Type III spinal muscular atrophy. Journal of Neural Transmission, 2021, 128, 771-791.	1.4	4
92	Lactoferrin Protects against Methamphetamine Toxicity by Modulating Autophagy and Mitochondrial Status. Nutrients, 2021, 13, 3356.	1.7	4
93	Protective effects of long-term lithium administration in a slowly progressive SMA mouse model. Archives Italiennes De Biologie, 2018, 155, 253-274.	0.1	4
94	Occurrence of Total and Proteinase K-Resistant Alpha-Synuclein in Glioblastoma Cells Depends on mTOR Activity. Cancers, 2022, 14, 1382.	1.7	4
95	Dopamine Stimulation via Infusion in the Lateral Ventricle. Annals of the New York Academy of Sciences, 2006, 1074, 337-343.	1.8	3
96	Neurons other than motor neurons in motor neuron disease. Histology and Histopathology, 2017, 32, 1115-1123.	0.5	3
97	Autophagy-Based Hypothesis on the Role of Brain Catecholamine Response During Stress. Frontiers in Psychiatry, 2020, 11, 569248.	1.3	2
98	Inhibition of Autophagy In Vivo Extends Methamphetamine Toxicity to Mesencephalic Cell Bodies. Pharmaceuticals, 2021, 14, 1003.	1.7	2
99	Detailing the ultrastructureâ€™s increase of prion protein in pancreatic adenocarcinoma. World Journal of Gastroenterology, 2021, 27, 7324-7339.	1.4	2
100	A small dose of apomorphine counteracts the deleterious effects of middle cerebral artery occlusion in different models. Archives Italiennes De Biologie, 2018, 155, 110-117.	0.1	1
101	Are there endogenous stem cells in the spinal cord?. Archives Italiennes De Biologie, 2018, 155, 167-184.	0.1	1
102	Next Generation Sequencing and ALS: known genes, different phenotyphes. Archives Italiennes De Biologie, 2018, 155, 159-166.	0.1	1