Carla L Busceti

List of Publications by Year
in descending order

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102	4,391	81900	114465
papers	citations	39 h-index	63 g-index

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

#	Article	IF	Citations
1	Spreading of Alpha Synuclein from Glioblastoma Cells towards Astrocytes Correlates with Stem-like Properties. Cancers, 2022, 14, 1417.	3.7	5
2	Occurrence of Total and Proteinase K-Resistant Alpha-Synuclein in Glioblastoma Cells Depends on mTOR Activity. Cancers, 2022, 14, 1382.	3.7	4
3	In Pancreatic Adenocarcinoma Alpha-Synuclein Increases and Marks Peri-Neural Infiltration. International Journal of Molecular Sciences, 2022, 23, 3775.	4.1	5
4	Neuroprotective Effects of Curcumin in Methamphetamine-Induced Toxicity. Molecules, 2021, 26, 2493.	3.8	15
5	Rapamycin Ameliorates Defects in Mitochondrial Fission and Mitophagy in Glioblastoma Cells. International Journal of Molecular Sciences, 2021, 22, 5379.	4.1	22
6	Ultrastructural characterization of peripheral denervation in a mouse model of Type III spinal muscular atrophy. Journal of Neural Transmission, 2021, 128, 771-791.	2.8	4
7	The connections of Locus Coeruleus with hypothalamus: potential involvement in Alzheimerâ€™s disease. Journal of Neural Transmission, 2021, 128, 589-613.	2.8	14
8	Norepinephrine Protects against Methamphetamine Toxicity through Î²2-Adrenergic Receptors Promoting LC3 Compartmentalization. International Journal of Molecular Sciences, 2021, 22, 7232.	4.1	7
9	Inhibition of Autophagy In Vivo Extends Methamphetamine Toxicity to Mesencephalic Cell Bodies. Pharmaceuticals, 2021, 14, 1003.	3.8	2
10	The Autophagy-Related Organelle Autophagoproteasome Is Suppressed within Ischemic Penumbra. International Journal of Molecular Sciences, 2021, 22, 10364.	4.1	5
11	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.	5.7	15
12	Lactoferrin Protects against Methamphetamine Toxicity by Modulating Autophagy and Mitochondrial Status. Nutrients, 2021, 13, 3356.	4.1	4
13	Behavioural and biochemical responses to methamphetamine are differentially regulated by mGlu2 and mGlu3 metabotropic glutamate receptors in male mice. Neuropharmacology, 2021, 196, 108692.	4.1	8
14	The Role of Cellular Prion Protein in Promoting Stemness and Differentiation in Cancer. Cancers, 2021, 13, 170.	3.7	16
15	Detailing the ultrastructureâ€™s increase of prion protein in pancreatic adenocarcinoma. World Journal of Gastroenterology, 2021, 27, 7324-7339.	3.3	2
16	Motor Neurons Pathology After Chronic Exposure to MPTP in Mice. Neurotoxicity Research, 2020, 37, 298-313.	2.7	13
17	Cell Clearing Systems as Targets of Polyphenols in Viral Infections: Potential Implications for COVID-19 Pathogenesis. Antioxidants, 2020, 9, 1105.	5.1	31
18	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.	4.1	5

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19	Autophagy-Based Hypothesis on the Role of Brain Catecholamine Response During Stress. Frontiers in Psychiatry, 2020, 11, 569248.	2.6	2
20	The Multi-Faceted Effect of Curcumin in Glioblastoma from Rescuing Cell Clearance to Autophagy-Independent Effects. Molecules, 2020, 25, 4839.	3.8	33
21	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.	2.9	38
22	Epilepsy and Alzheimerâ€™s Disease: Potential mechanisms for an association. Brain Research Bulletin, 2020, 160, 107-120.	3.0	45
23	Cell-Clearing Systems Bridging Repeat Expansion Proteotoxicity and Neuromuscular Junction Alterations in ALS and SBMA. International Journal of Molecular Sciences, 2020, 21, 4021.	4.1	7
24	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.	4.1	12
25	Potential Antidepressant Effects of Scutellaria baicalensis, Hericium erinaceus and Rhodiola rosea. Antioxidants, 2020, 9, 234.	5.1	51
26	mTOR-Related Cell-Clearing Systems in Epileptic Seizures, an Update. International Journal of Molecular Sciences, 2020, 21, 1642.	4.1	23
27	The role of Locus Coeruleus in neuroinflammation occurring in Alzheimerâ€™s disease. Brain Research Bulletin, 2019, 153, 47-58.	3.0	35
28	Phytochemicals Bridging Autophagy Induction and Alpha-Synuclein Degradation in Parkinsonism. International Journal of Molecular Sciences, 2019, 20, 3274.	4.1	48
29	Prion Protein in Glioblastoma Multiforme. International Journal of Molecular Sciences, 2019, 20, 5107.	4.1	23
30	Molecular Mechanisms Linking ALS/FTD and Psychiatric Disorders, the Potential Effects of Lithium. Frontiers in Cellular Neuroscience, 2019, 13, 450.	3.7	31
31	TREM Receptors Connecting Bowel Inflammation to Neurodegenerative Disorders. Cells, 2019, 8, 1124.	4.1	35
32	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.	1.7	52
33	Corticosterone Upregulates Gene and Protein Expression of Catecholamine Markers in Organotypic Brainstem Cultures. International Journal of Molecular Sciences, 2019, 20, 2901.	4.1	7
34	The effects of proteasome on baseline and methamphetamine-dependent dopamine transmission. Neuroscience and Biobehavioral Reviews, 2019, 102, 308-317.	6.1	21
35	Cell Clearing Systems Bridging Neuro-Immunity and Synaptic Plasticity. International Journal of Molecular Sciences, 2019, 20, 2197.	4.1	24
36	A Sentinel in the Crosstalk Between the Nervous and Immune System: The (Immuno)-Proteasome. Frontiers in Immunology, 2019, 10, 628.	4.8	45

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37	A Focus on the Beneficial Effects of Alpha Synuclein and a Re-Appraisal of Synucleinopathies. Current Protein and Peptide Science, 2018, 19, 598-611.	1.4	17
38	mTOR Modulates Methamphetamine-Induced Toxicity through Cell Clearing Systems. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-22.	4.0	45
39	Dickkopf-3 Causes Neuroprotection by Inducing Vascular Endothelial Growth Factor. Frontiers in Cellular Neuroscience, 2018, 12, 292.	3.7	13
40	mTOR-Related Brain Dysfunctions in Neuropsychiatric Disorders. International Journal of Molecular Sciences, 2018, 19, 2226.	4.1	84
41	Epigenetic Effects Induced by Methamphetamine and Methamphetamine-Dependent Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-28.	4.0	63
42	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.	0.4	9
43	Protective effects of long-term lithium administration in a slowly progressive SMA mouse model. Archives Italiennes De Biologie, 2018, 155, 253-274.	0.4	4
44	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.	0.4	1
45	Are there endogenous stem cells in the spinal cord?. Archives Italiennes De Biologie, 2018, 155, 167-184.	0.4	1
46	Next Generation Sequencing and ALS: known genes, different phenotyphes. Archives Italiennes De Biologie, 2018, 155, 159-166.	0.4	1
47	Dickkopf-3 Upregulates VEGF in Cultured Human Endothelial Cells by Activating Activin Receptor-Like Kinase 1 (ALK1) Pathway. Frontiers in Pharmacology, 2017, 8, 111.	3.5	26
48	The Neuroanatomy of the Reticular Nucleus Locus Coeruleus in Alzheimerâ€™s Disease. Frontiers in Neuroanatomy, 2017, 11, 80.	1.7	44
49	Systematic Morphometry of Catecholamine Nuclei in the Brainstem. Frontiers in Neuroanatomy, 2017, 11, 98.	1.7	26
50	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.	3.7	9
51	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.	4.0	11
52	Methamphetamine increases Prion Protein and induces dopamine-dependent expression of protease resistant PrPsc. Archives Italiennes De Biologie, 2017, 155, 81-97.	0.4	14
53	Neurons other than motor neurons in motor neuron disease. Histology and Histopathology, 2017, 32, 1115-1123.	0.7	3
54	The Autophagoproteasome a Novel Cell Clearing Organelle in Baseline and Stimulated Conditions. Frontiers in Neuroanatomy, 2016, 10, 78.	1.7	38

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55	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.	2.8	15
56	The inflammatory protein Pentraxin 3 in cardiovascular disease. Immunity and Ageing, 2016, 13, 25.	4.2	69
57	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.	7.1	18
58	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.	1.8	27
59	Cinnabarinic acid, an endogenous agonist of type-4 metabotropic glutamate receptor, suppresses experimental autoimmune encephalomyelitis in mice. Neuropharmacology, 2014, 81, 237-243.	4.1	48
60	Region-specific DNA alterations in focally induced seizures. Journal of Neural Transmission, 2014, 121, 1399-1403.	2.8	6
61	Microtubule Alterations Occur Early in Experimental Parkinsonism and The Microtubule Stabilizer Epothilone D Is Neuroprotective. Scientific Reports, 2013, 3, 1837.	3.3	103
62	The Effects of Locus Coeruleus and Norepinephrine in Methamphetamine Toxicity. Current Neuropharmacology, 2013, 11, 80-94.	2.9	26
63	Changes of peripheral TGF-Î²1 depend on monocytes-derived macrophages in Huntington disease. Molecular Brain, 2013, 6, 55.	2.6	26
64	Lack or Inhibition of Dopaminergic Stimulation Induces a Development Increase of Striatal Tyrosine Hydroxylase-Positive Interneurons. PLoS ONE, 2012, 7, e44025.	2.5	13
65	Early defect of transforming growth factor Î²1 formation in Huntingtonâ€™s disease. Journal of Cellular and Molecular Medicine, 2011, 15, 555-571.	3.6	64
66	Induction of the Wnt Antagonist Dickkopf-1 Is Involved in Stress-Induced Hippocampal Damage. PLoS ONE, 2011, 6, e16447.	2.5	56
67	Intracellular pathways underlying the effects of lithium. Behavioural Pharmacology, 2010, 21, 473-492.	1.7	99
68	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.	2.2	5
69	Metabotropic glutamate receptor-4 modulates adaptive immunity and restrains neuroinflammation. Nature Medicine, 2010, 16, 897-902.	30.7	138
70	Activation of mGlu3 Receptors Stimulates the Production of GDNF in Striatal Neurons. PLoS ONE, 2009, 4, e6591.	2.5	48
71	Epigenetic Modulation of mGlu2 Receptors by Histone Deacetylase Inhibitors in the Treatment of Inflammatory Pain. Molecular Pharmacology, 2009, 75, 1014-1020.	2.3	173
72	Tumor Necrosis Factor-Î± Mediates Hemolysis-Induced Vasoconstriction and the Cerebral Vasospasm Evoked by Subarachnoid Hemorrhage. Hypertension, 2009, 54, 150-156.	2.7	70

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73	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.	4.3	108
74	The Wnt Antagonist, Dickkopf-1, as a Target for the Treatment of Neurodegenerative Disorders. Neurochemical Research, 2008, 33, 2401-2406.	3.3	55
75	High number of striatal dopaminergic neurons during early postnatal development: correlation analysis with dopaminergic fibers. Journal of Neural Transmission, 2008, 115, 1375-1383.	2.8	10
76	Genetic or pharmacological blockade of noradrenaline synthesis enhances the neurochemical, behavioral, and neurotoxic effects of methamphetamine. Journal of Neurochemistry, 2008, 105, 471-483.	3.9	44
77	TGF-Î²1 protects against AÎ²-neurotoxicity via the phosphatidylinositol-3-kinase pathway. Neurobiology of Disease, 2008, 30, 234-242.	4.4	74
78	Enhanced Tau Phosphorylation in the Hippocampus of Mice Treated with 3,4-Methylenedioxymethamphetamine (â€œEcstasyâ€). Journal of Neuroscience, 2008, 28, 3234-3245.	3.6	45
79	Methamphetamine induces ectopic expression of tyrosine hydroxylase and increases noradrenaline levels within the cerebellar cortex. Neuroscience, 2007, 149, 871-884.	2.3	8
80	Induction of the Wnt Inhibitor, Dickkopf-1, Is Associated with Neurodegeneration Related to Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 694-705.	5.1	91
81	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.	3.9	57
82	Mechanisms involved in the formation of dopamine-induced intracellular bodies within striatal neurons. Journal of Neurochemistry, 2007, 101, 1414-1427.	3.9	49
83	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.	3.6	108
84	Effects of Methamphetamine on the Cerebellar Cortex. Annals of the New York Academy of Sciences, 2006, 1074, 149-153.	3.8	9
85	Overexpression of Â-Synuclein following Methamphetamine: Is It Good or Bad?. Annals of the New York Academy of Sciences, 2006, 1074, 191-197.	3.8	21
86	Dopamine Stimulation via Infusion in the Lateral Ventricle. Annals of the New York Academy of Sciences, 2006, 1074, 337-343.	3.8	3
87	Protection by Apomorphine in Two Independent Models of Acute Inhibition of Oxidative Metabolism in Rodents. Clinical and Experimental Hypertension, 2006, 28, 387-394.	1.3	13
88	AMPA receptor desensitization as a determinant of vulnerability to focally evoked status epilepticus. European Journal of Neuroscience, 2005, 21, 455-463.	2.6	22
89	Endogenous activation of metabotropic glutamate receptors supports the proliferation and survival of neural progenitor cells. Cell Death and Differentiation, 2005, 12, 1124-1133.	11.2	124
90	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.	3.6	127

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91	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.	7.1	480
92	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.	3.0	65
93	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.	2.3	29
94	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.	3.6	113
95	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.	3.6	65
96	Alpha-1B adrenergic receptor knockout mice are protected against methamphetamine toxicity. Journal of Neurochemistry, 2004, 86, 413-421.	3.9	23
97	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.	4.1	60
98	Fine Structure and Biochemical Mechanisms Underlying Nigrostriatal Inclusions and Cell Death after Proteasome Inhibition. Journal of Neuroscience, 2003, 23, 8955-8966.	3.6	188
99	Continuous subcutaneous infusion of apomorphine rescues nigro-striatal dopaminergic terminals following MPTP injection in mice. Neuropharmacology, 2002, 42, 367-373.	4.1	25
100	Selective Blockade of mGlu5 Metabotropic Glutamate Receptors Is Protective against Methamphetamine Neurotoxicity. Journal of Neuroscience, 2002, 22, 2135-2141.	3.6	134
101	Activation of Group III Metabotropic Glutamate Receptors Inhibits the Production of RANTES in Glial Cell Cultures. Journal of Neuroscience, 2002, 22, 5403-5411.	3.6	79
102	The antioxidant drug dipyridamole spares the vitamin E and thiols in red blood cells after oxidative stress. Cardiovascular Research, 2000, 47, 510-514.	3.8	40