

# Carla L Busceti

## List of Publications by Year in descending order

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102  
papers

4,391  
citations

81743

39  
h-index

114278

63  
g-index

102  
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102  
docs citations

102  
times ranked

6267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spreading of Alpha Synuclein from Glioblastoma Cells towards Astrocytes Correlates with Stem-like Properties. <i>Cancers</i> , 2022, 14, 1417.	1.7	5
2	Occurrence of Total and Proteinase K-Resistant Alpha-Synuclein in Glioblastoma Cells Depends on mTOR Activity. <i>Cancers</i> , 2022, 14, 1382.	1.7	4
3	In Pancreatic Adenocarcinoma Alpha-Synuclein Increases and Marks Peri-Neural Infiltration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3775.	1.8	5
4	Neuroprotective Effects of Curcumin in Methamphetamine-Induced Toxicity. <i>Molecules</i> , 2021, 26, 2493.	1.7	15
5	Rapamycin Ameliorates Defects in Mitochondrial Fission and Mitophagy in Glioblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5379.	1.8	22
6	Ultrastructural characterization of peripheral denervation in a mouse model of Type III spinal muscular atrophy. <i>Journal of Neural Transmission</i> , 2021, 128, 771-791.	1.4	4
7	The connections of Locus Coeruleus with hypothalamus: potential involvement in Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2021, 128, 589-613.	1.4	14
8	Norepinephrine Protects against Methamphetamine Toxicity through $\beta$ 2-Adrenergic Receptors Promoting LC3 Compartmentalization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7232.	1.8	7
9	Inhibition of Autophagy In Vivo Extends Methamphetamine Toxicity to Mesencephalic Cell Bodies. <i>Pharmaceuticals</i> , 2021, 14, 1003.	1.7	2
10	The Autophagy-Related Organelle Autophagosome Is Suppressed within Ischemic Penumbra. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10364.	1.8	5
11	Autophagy as a gateway for the effects of methamphetamine: From neurotransmitter release and synaptic plasticity to psychiatric and neurodegenerative disorders. <i>Progress in Neurobiology</i> , 2021, 204, 102112.	2.8	15
12	Lactoferrin Protects against Methamphetamine Toxicity by Modulating Autophagy and Mitochondrial Status. <i>Nutrients</i> , 2021, 13, 3356.	1.7	4
13	Behavioural and biochemical responses to methamphetamine are differentially regulated by mGlu2 and mGlu3 metabotropic glutamate receptors in male mice. <i>Neuropharmacology</i> , 2021, 196, 108692.	2.0	8
14	The Role of Cellular Prion Protein in Promoting Stemness and Differentiation in Cancer. <i>Cancers</i> , 2021, 13, 170.	1.7	16
15	Detailing the ultrastructure's increase of prion protein in pancreatic adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2021, 27, 7324-7339.	1.4	2
16	Motor Neurons Pathology After Chronic Exposure to MPTP in Mice. <i>Neurotoxicity Research</i> , 2020, 37, 298-313.	1.3	13
17	Cell Clearing Systems as Targets of Polyphenols in Viral Infections: Potential Implications for COVID-19 Pathogenesis. <i>Antioxidants</i> , 2020, 9, 1105.	2.2	31
18	A Re-Appraisal of Pathogenic Mechanisms Bridging Wet and Dry Age-Related Macular Degeneration Leads to Reconsider a Role for Phytochemicals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5563.	1.8	5

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19	Autophagy-Based Hypothesis on the Role of Brain Catecholamine Response During Stress. <i>Frontiers in Psychiatry</i> , 2020, 11, 569248.	1.3	2
20	The Multi-Faceted Effect of Curcumin in Glioblastoma from Rescuing Cell Clearance to Autophagy-Independent Effects. <i>Molecules</i> , 2020, 25, 4839.	1.7	33
21	Locus Coeruleus and neurovascular unit: From its role in physiology to its potential role in Alzheimer's disease pathogenesis. <i>Journal of Neuroscience Research</i> , 2020, 98, 2406-2434.	1.3	38
22	Epilepsy and Alzheimer's Disease: Potential mechanisms for an association. <i>Brain Research Bulletin</i> , 2020, 160, 107-120.	1.4	45
23	Cell-Clearing Systems Bridging Repeat Expansion Proteotoxicity and Neuromuscular Junction Alterations in ALS and SBMA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4021.	1.8	7
24	Brain Overexpression of Uncoupling Protein-2 (UCP2) Delays Renal Damage and Stroke Occurrence in Stroke-Prone Spontaneously Hypertensive Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4289.	1.8	12
25	Potential Antidepressant Effects of <i>Scutellaria baicalensis</i> , <i>Hericium erinaceus</i> and <i>Rhodiola rosea</i> . <i>Antioxidants</i> , 2020, 9, 234.	2.2	51
26	mTOR-Related Cell-Clearing Systems in Epileptic Seizures, an Update. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1642.	1.8	23
27	The role of Locus Coeruleus in neuroinflammation occurring in Alzheimer's disease. <i>Brain Research Bulletin</i> , 2019, 153, 47-58.	1.4	35
28	Phytochemicals Bridging Autophagy Induction and Alpha-Synuclein Degradation in Parkinsonism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3274.	1.8	48
29	Prion Protein in Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5107.	1.8	23
30	Molecular Mechanisms Linking ALS/FTD and Psychiatric Disorders, the Potential Effects of Lithium. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 450.	1.8	31
31	TREM Receptors Connecting Bowel Inflammation to Neurodegenerative Disorders. <i>Cells</i> , 2019, 8, 1124.	1.8	35
32	The Effects of Amphetamine and Methamphetamine on the Release of Norepinephrine, Dopamine and Acetylcholine From the Brainstem Reticular Formation. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 48.	0.9	52
33	Corticosterone Upregulates Gene and Protein Expression of Catecholamine Markers in Organotypic Brainstem Cultures. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2901.	1.8	7
34	The effects of proteasome on baseline and methamphetamine-dependent dopamine transmission. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 308-317.	2.9	21
35	Cell Clearing Systems Bridging Neuro-Immunity and Synaptic Plasticity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2197.	1.8	24
36	A Sentinel in the Crosstalk Between the Nervous and Immune System: The (Immuno)-Proteasome. <i>Frontiers in Immunology</i> , 2019, 10, 628.	2.2	45

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37	A Focus on the Beneficial Effects of Alpha Synuclein and a Re-Appraisal of Synucleinopathies. <i>Current Protein and Peptide Science</i> , 2018, 19, 598-611.	0.7	17
38	mTOR Modulates Methamphetamine-Induced Toxicity through Cell Clearing Systems. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-22.	1.9	45
39	Dickkopf-3 Causes Neuroprotection by Inducing Vascular Endothelial Growth Factor. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 292.	1.8	13
40	mTOR-Related Brain Dysfunctions in Neuropsychiatric Disorders. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2226.	1.8	84
41	Epigenetic Effects Induced by Methamphetamine and Methamphetamine-Dependent Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-28.	1.9	63
42	The nature of catecholamine-containing neurons in the enteric nervous system in relationship with organogenesis, normal human anatomy and neurodegeneration. <i>Archives Italiennes De Biologie</i> , 2018, 155, 118-130.	0.1	9
43	Protective effects of long-term lithium administration in a slowly progressive SMA mouse model. <i>Archives Italiennes De Biologie</i> , 2018, 155, 253-274.	0.1	4
44	A small dose of apomorphine counteracts the deleterious effects of middle cerebral artery occlusion in different models. <i>Archives Italiennes De Biologie</i> , 2018, 155, 110-117.	0.1	1
45	Are there endogenous stem cells in the spinal cord?. <i>Archives Italiennes De Biologie</i> , 2018, 155, 167-184.	0.1	1
46	Next Generation Sequencing and ALS: known genes, different phenotypes. <i>Archives Italiennes De Biologie</i> , 2018, 155, 159-166.	0.1	1
47	Dickkopf-3 Upregulates VEGF in Cultured Human Endothelial Cells by Activating Activin Receptor-Like Kinase 1 (ALK1) Pathway. <i>Frontiers in Pharmacology</i> , 2017, 8, 111.	1.6	26
48	The Neuroanatomy of the Reticular Nucleus Locus Coeruleus in Alzheimer's Disease. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 80.	0.9	44
49	Systematic Morphometry of Catecholamine Nuclei in the Brainstem. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 98.	0.9	26
50	The Monoamine Brainstem Reticular Formation as a Paradigm for Re-Defining Various Phenotypes of Parkinson's Disease Owing Genetic and Anatomical Specificity. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 102.	1.8	9
51	A Decrease of Brain MicroRNA-122 Level Is an Early Marker of Cerebrovascular Disease in the Stroke-Prone Spontaneously Hypertensive Rat. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	11
52	Methamphetamine increases Prion Protein and induces dopamine-dependent expression of protease resistant PrP <sup>Sc</sup> . <i>Archives Italiennes De Biologie</i> , 2017, 155, 81-97.	0.1	14
53	Neurons other than motor neurons in motor neuron disease. <i>Histology and Histopathology</i> , 2017, 32, 1115-1123.	0.5	3
54	The Autophagoproteasome a Novel Cell Clearing Organelle in Baseline and Stimulated Conditions. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 78.	0.9	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. <i>Frontiers in Neuroscience</i> , 2016, 10, 532.	1.4	15
56	The inflammatory protein Pentraxin 3 in cardiovascular disease. <i>Immunity and Ageing</i> , 2016, 13, 25.	1.8	69
57	5-HT <sub>2C</sub> serotonin receptor blockade prevents tau protein hyperphosphorylation and corrects the defect in hippocampal synaptic plasticity caused by a combination of environmental stressors in mice. <i>Pharmacological Research</i> , 2015, 99, 258-268.	3.1	18
58	Differential modulation of AMPK/PPAR $\alpha$ /UCP2 axis in relation to hypertension and aging in the brain, kidneys and heart of two closely related spontaneously hypertensive rat strains. <i>Oncotarget</i> , 2015, 6, 18800-18818.	0.8	27
59	Cinnabarinic acid, an endogenous agonist of type-4 metabotropic glutamate receptor, suppresses experimental autoimmune encephalomyelitis in mice. <i>Neuropharmacology</i> , 2014, 81, 237-243.	2.0	48
60	Region-specific DNA alterations in focally induced seizures. <i>Journal of Neural Transmission</i> , 2014, 121, 1399-1403.	1.4	6
61	Microtubule Alterations Occur Early in Experimental Parkinsonism and The Microtubule Stabilizer Epothilone D Is Neuroprotective. <i>Scientific Reports</i> , 2013, 3, 1837.	1.6	103
62	The Effects of Locus Coeruleus and Norepinephrine in Methamphetamine Toxicity. <i>Current Neuropharmacology</i> , 2013, 11, 80-94.	1.4	26
63	Changes of peripheral TGF- $\beta$ 1 depend on monocytes-derived macrophages in Huntington disease. <i>Molecular Brain</i> , 2013, 6, 55.	1.3	26
64	Lack or Inhibition of Dopaminergic Stimulation Induces a Development Increase of Striatal Tyrosine Hydroxylase-Positive Interneurons. <i>PLoS ONE</i> , 2012, 7, e44025.	1.1	13
65	Early defect of transforming growth factor $\beta$ 1 formation in Huntington's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 555-571.	1.6	64
66	Induction of the Wnt Antagonist Dickkopf-1 Is Involved in Stress-Induced Hippocampal Damage. <i>PLoS ONE</i> , 2011, 6, e16447.	1.1	56
67	Intracellular pathways underlying the effects of lithium. <i>Behavioural Pharmacology</i> , 2010, 21, 473-492.	0.8	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. <i>Brain Research</i> , 2010, 1358, 1-10.	1.1	5
69	Metabotropic glutamate receptor-4 modulates adaptive immunity and restrains neuroinflammation. <i>Nature Medicine</i> , 2010, 16, 897-902.	15.2	138
70	Activation of mGlu3 Receptors Stimulates the Production of GDNF in Striatal Neurons. <i>PLoS ONE</i> , 2009, 4, e6591.	1.1	48
71	Epigenetic Modulation of mGlu2 Receptors by Histone Deacetylase Inhibitors in the Treatment of Inflammatory Pain. <i>Molecular Pharmacology</i> , 2009, 75, 1014-1020.	1.0	173
72	Tumor Necrosis Factor- $\alpha$ Mediates Hemolysis-Induced Vasoconstriction and the Cerebral Vasospasm Evoked by Subarachnoid Hemorrhage. <i>Hypertension</i> , 2009, 54, 150-156.	1.3	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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 264-276.	2.4	108
74	The Wnt Antagonist, Dickkopf-1, as a Target for the Treatment of Neurodegenerative Disorders. <i>Neurochemical Research</i> , 2008, 33, 2401-2406.	1.6	55
75	High number of striatal dopaminergic neurons during early postnatal development: correlation analysis with dopaminergic fibers. <i>Journal of Neural Transmission</i> , 2008, 115, 1375-1383.	1.4	10
76	Genetic or pharmacological blockade of noradrenaline synthesis enhances the neurochemical, behavioral, and neurotoxic effects of methamphetamine. <i>Journal of Neurochemistry</i> , 2008, 105, 471-483.	2.1	44
77	TGF- $\beta$ 1 protects against A $\beta$ -neurotoxicity via the phosphatidylinositol-3-kinase pathway. <i>Neurobiology of Disease</i> , 2008, 30, 234-242.	2.1	74
78	Enhanced Tau Phosphorylation in the Hippocampus of Mice Treated with 3,4-Methylenedioxymethamphetamine (Ecstasy). <i>Journal of Neuroscience</i> , 2008, 28, 3234-3245.	1.7	45
79	Methamphetamine induces ectopic expression of tyrosine hydroxylase and increases noradrenaline levels within the cerebellar cortex. <i>Neuroscience</i> , 2007, 149, 871-884.	1.1	8
80	Induction of the Wnt Inhibitor, Dickkopf-1, Is Associated with Neurodegeneration Related to Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2007, 48, 694-705.	2.6	91
81	Transglutaminase 2 ablation leads to defective function of mitochondrial respiratory complex I affecting neuronal vulnerability in experimental models of extrapyramidal disorders. <i>Journal of Neurochemistry</i> , 2007, 100, 36-49.	2.1	57
82	Mechanisms involved in the formation of dopamine-induced intracellular bodies within striatal neurons. <i>Journal of Neurochemistry</i> , 2007, 101, 1414-1427.	2.1	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. <i>Journal of Neuroscience</i> , 2006, 26, 7222-7229.	1.7	108
84	Effects of Methamphetamine on the Cerebellar Cortex: A Preliminary Study. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 149-153.	1.8	9
85	Overexpression of $\alpha$ -Synuclein following Methamphetamine: Is It Good or Bad?. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 191-197.	1.8	21
86	Dopamine Stimulation via Infusion in the Lateral Ventricle. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 337-343.	1.8	3
87	Protection by Apomorphine in Two Independent Models of Acute Inhibition of Oxidative Metabolism in Rodents. <i>Clinical and Experimental Hypertension</i> , 2006, 28, 387-394.	0.5	13
88	AMPA receptor desensitization as a determinant of vulnerability to focally evoked status epilepticus. <i>European Journal of Neuroscience</i> , 2005, 21, 455-463.	1.2	22
89	Endogenous activation of metabotropic glutamate receptors supports the proliferation and survival of neural progenitor cells. <i>Cell Death and Differentiation</i> , 2005, 12, 1124-1133.	5.0	124
90	Induction of Dickkopf-1, a Negative Modulator of the Wnt Pathway, Is Required for the Development of Ischemic Neuronal Death. <i>Journal of Neuroscience</i> , 2005, 25, 2647-2657.	1.7	127

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91	Parkinson-like syndrome induced by continuous MPTP infusion: Convergent roles of the ubiquitin-proteasome system and $\alpha$ -synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3413-3418.	3.3	480
92	Occurrence of neuronal inclusions combined with increased nigral expression of $\alpha$ -synuclein within dopaminergic neurons following treatment with amphetamine derivatives in mice. Brain Research Bulletin, 2005, 65, 405-413.	1.4	65
93	Previous exposure to ( $\alpha$ ) 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
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.	1.7	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.	1.7	65
96	Alpha-1B adrenergic receptor knockout mice are protected against methamphetamine toxicity. Journal of Neurochemistry, 2004, 86, 413-421.	2.1	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.	2.0	60
98	Fine Structure and Biochemical Mechanisms Underlying Nigrostriatal Inclusions and Cell Death after Proteasome Inhibition. Journal of Neuroscience, 2003, 23, 8955-8966.	1.7	188
99	Continuous subcutaneous infusion of apomorphine rescues nigro-striatal dopaminergic terminals following MPTP injection in mice. Neuropharmacology, 2002, 42, 367-373.	2.0	25
100	Selective Blockade of mGlu5 Metabotropic Glutamate Receptors Is Protective against Methamphetamine Neurotoxicity. Journal of Neuroscience, 2002, 22, 2135-2141.	1.7	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.	1.7	79
102	The antioxidant drug dipyrindamole spares the vitamin E and thiols in red blood cells after oxidative stress. Cardiovascular Research, 2000, 47, 510-514.	1.8	40