Patrizia Casaccia

List of Publications by Year
in descending order

94 papers	6,964 citations	61984 43 h-index	64796 79 g-index
101 all docs	101 docs citations	101 times ranked	11369 citing authors

#	Article	IF	Citations
1	Bacterial neurotoxic metabolites in multiple sclerosis cerebrospinal fluid and plasma. Brain, 2022, 145, 569-583.	7.6	40
2	Nâ€myc downstream regulated family member 1 (<scp>NDRG1</scp>) is enriched in myelinating oligodendrocytes and impacts myelin degradation in response to demyelination. Glia, 2022, 70, 321-336.	4.9	10
3	PRMT5 Interacting Partners and Substrates in Oligodendrocyte Lineage Cells. Frontiers in Cellular Neuroscience, 2022, 16, 820226.	3.7	8
4	Beyond the neuron: Role of non-neuronal cells in stress disorders. Neuron, 2022, 110, 1116-1138.	8.1	18
5	ACTL6a coordinates axonal caliber recognition and myelination in the peripheral nerve. IScience, 2022, 25, 104132.	4.1	3
6	Prenatal Exposure to a Climate-Related Disaster Results in Changes of the Placental Transcriptome and Infant Temperament. Frontiers in Genetics, 2022, 13, 887619.	2.3	1
7	Oligodendrocyte progenitors as environmental biosensors. Seminars in Cell and Developmental Biology, 2021, 116, 38-44.	5.0	12
8	TET1-mediated DNA hydroxymethylation regulates adult remyelination in mice. Nature Communications, 2021, 12, 3359.	12.8	47
9	Does the gut microbiota contribute to the oligodendrocyte progenitor niche?. Neuroscience Letters, 2020, 715, 134574.	2.1	6
10	Emerging concepts in neuroscience research: 2019 highlights. Lancet Neurology, The, 2020, 19, 21-22.	10.2	0
11	Retrospective unbiased plasma lipidomic of progressive multiple sclerosis patients-identifies lipids discriminating those with faster clinical deterioration. Scientific Reports, 2020, 10, 15644.	3.3	7
12	White Matter Plasticity in Anxiety: Disruption of Neural Network Synchronization During Threat-Safety Discrimination. Frontiers in Cellular Neuroscience, 2020, 14, 587053.	3.7	11
13	Foreword. Glia, 2020, 68, 1551-1553.	4.9	1
14	Dynamic Lamin B1-Gene Association During Oligodendrocyte Progenitor Differentiation. Neurochemical Research, 2020, 45, 606-619.	3.3	10
15	Gut-brain communication in demyelinating disorders. Current Opinion in Neurobiology, 2020, 62, 92-101.	4.2	11
16	Astrocytes deliver CK1 to neurons via extracellular vesicles in response to inflammation promoting the translation and amyloidogenic processing of APP. Journal of Extracellular Vesicles, 2020, 10, e12035.	12.2	29
17	Sample Preparation for Metabolic Profiling using MALDI Mass Spectrometry Imaging. Journal of Visualized Experiments, 2020, , .	0.3	5
18	Region-specific myelin differences define behavioral consequences of chronic social defeat stress in mice. ELife, 2019, 8, .	6.0	74

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19	A metabolic perspective on CSF-mediated neurodegeneration in multiple sclerosis. Brain, 2019, 142, 2756-2774.	7.6	35
20	The Chromatin Environment Around Interneuron Genes in Oligodendrocyte Precursor Cells and Their Potential for Interneuron Reprograming. Frontiers in Neuroscience, 2019, 13, 829.	2.8	11
21	Fumarates target the metabolic-epigenetic interplay of brain-homing T cells in multiple sclerosis. Brain, 2019, 142, 647-661.	7.6	22
22	PAD2-Mediated Citrullination Contributes to Efficient Oligodendrocyte Differentiation and Myelination. Cell Reports, 2019, 27, 1090-1102.e10.	6.4	59
23	Body Mass Index in Multiple Sclerosis modulates ceramide-induced DNA methylation and disease course. EBioMedicine, 2019, 43, 392-410.	6.1	36
24	Mechanoâ€modulation of nuclear events regulating oligodendrocyte progenitor gene expression. Glia, 2019, 67, 1229-1239.	4.9	18
25	Disease-modifying therapies alter gut microbial composition in MS. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e517.	6.0	75
26	Epigenomic signature of adrenoleukodystrophy predicts compromised oligodendrocyte differentiation. Brain Pathology, 2018, 28, 902-919.	4.1	21
27	Introduction to the special issue on myelin plasticity in the central nervous system. Developmental Neurobiology, 2018, 78, 65-67.	3.0	0
28	The Microbiomeâ€“Gutâ€“Behavior Axis: Crosstalk Between the Gut Microbiome and Oligodendrocytes Modulates Behavioral Responses. Neurotherapeutics, 2018, 15, 31-35.	4.4	32
29	Epigenetic modifications in brain and immune cells of multiple sclerosis patients. Multiple Sclerosis Journal, 2018, 24, 69-74.	3.0	22
30	Wellness and multiple sclerosis: The National MS Society establishes a Wellness Research Working Group and research priorities. Multiple Sclerosis Journal, 2018, 24, 262-267.	3.0	62
31	Widespread transcriptional alternations in oligodendrocytes in the adult mouse brain following chronic stress. Developmental Neurobiology, 2018, 78, 152-162.	3.0	54
32	Multiple Sclerosis-Associated Changes in the Composition and Immune Functions of Spore-Forming Bacteria. MSystems, 2018, 3, .	3.8	56
33	Retrograde Degenerative Signaling Mediated by the p75 Neurotrophin Receptor Requires p150Glued Deacetylation by Axonal HDAC1. Developmental Cell, 2018, 46, 376-387.e7.	7.0	23
34	PRMT5-mediated regulation of developmental myelination. Nature Communications, 2018, 9, 2840.	12.8	73
35	Brain Cell Type Specific Gene Expression and Co-expression Network Architectures. Scientific Reports, 2018, 8, 8868.	3.3	335
36	DNA methylation in oligodendroglial cells during developmental myelination and in disease. Neurogenesis (Austin, Tex), 2017, 4, e1270381.	1.5	20

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37	Astrocyte-shed extracellular vesicles regulate the peripheral leukocyte response to inflammatory brain lesions. Science Signaling, 2017, 10, .	3.6	199
38	Gut bacteria from multiple sclerosis patients modulate human T cells and exacerbate symptoms in mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10713-10718.	7.1	709
39	Subcellular Distribution of HDAC1 in Neurotoxic Conditions Is Dependent on Serine Phosphorylation. Journal of Neuroscience, 2017, 37, 7547-7559.	3.6	26
40	Bioenergetic Failure in Rat Oligodendrocyte Progenitor Cells Treated with Cerebrospinal Fluid Derived from Multiple Sclerosis Patients. Frontiers in Cellular Neuroscience, 2017, 11, 209.	3.7	10
41	Multiscale network modeling of oligodendrocytes reveals molecular components of myelin dysregulation in Alzheimerâ€™s disease. Molecular Neurodegeneration, 2017, 12, 82.	10.8	100
42	Efficient Remyelination Requires DNA Methylation. ENeuro, 2017, 4, ENEURO.0336-16.2017.	1.9	45
43	Microbiota-driven transcriptional changes in prefrontal cortex override genetic differences in social behavior. ELife, 2016, 5, .	6.0	226
44	Epigenetic Modulation of Human Induced Pluripotent Stem Cell Differentiation to Oligodendrocytes. International Journal of Molecular Sciences, 2016, 17, 614.	4.1	24
45	The Transcriptional Activator KrÃ¼ppel-like Factor-6 Is Required for CNS Myelination. PLoS Biology, 2016, 14, e1002467.	5.6	31
46	S4â€02â€03: Accelerating Medicines Partnership: Coâ€Expression Networks. Alzheimer's and Dementia, 2016, 12, P322.	0.8	0
47	F2â€01â€01: Oligodendrocyteâ€Enriched Gene Networks Reveal Novel Pathways and Key Targets in the Pathogenesis of Alzheimerâ€™s Disease. Alzheimer's and Dementia, 2016, 12, P214.	0.8	0
48	Integrative network analysis of nineteen brain regions identifies molecular signatures and networks underlying selective regional vulnerability to Alzheimerâ€™s disease. Genome Medicine, 2016, 8, 104.	8.2	224
49	Epigenetic control of oligodendrocyte development: adding new players to old keepers. Current Opinion in Neurobiology, 2016, 39, 133-138.	4.2	49
50	Functional Characterization of DNA Methylation in the Oligodendrocyte Lineage. Cell Reports, 2016, 15, 748-760.	6.4	81
51	Mechanostimulation Promotes Nuclear and Epigenetic Changes in Oligodendrocytes. Journal of Neuroscience, 2016, 36, 806-813.	3.6	65
52	Clemastine Enhances Myelination in the Prefrontal Cortex and Rescues Behavioral Changes in Socially Isolated Mice. Journal of Neuroscience, 2016, 36, 957-962.	3.6	209
53	Bromodomains: Translating the words of lysine acetylation into myelin injury and repair. Neuroscience Letters, 2016, 625, 4-10.	2.1	43
54	Epigenetics in NG2 glia cells. Brain Research, 2016, 1638, 183-198.	2.2	19

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55	Interplay between transcriptional control and chromatin regulation in the oligodendrocyte lineage. Glia, 2015, 63, 1357-1375.	4.9	33
56	Chromatin Landscape Defined by Repressive Histone Methylation during Oligodendrocyte Differentiation. Journal of Neuroscience, 2015, 35, 352-365.	3.6	103
57	Nuclear export inhibitors avert progression in preclinical models of inflammatory demyelination. Nature Neuroscience, 2015, 18, 511-520.	14.8	76
58	Multiple sclerosis patient-derived CSF induces transcriptional changes in proliferating oligodendrocyte progenitors. Multiple Sclerosis Journal, 2015, 21, 1655-1669.	3.0	16
59	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. Nature Neuroscience, 2015, 18, 536-544.	14.8	160
60	Defects of Lipid Synthesis Are Linked to the Age-Dependent Demyelination Caused by Lamin B1 Overexpression. Journal of Neuroscience, 2015, 35, 12002-12017.	3.6	51
61	Sox2 Sustains Recruitment of Oligodendrocyte Progenitor Cells following CNS Demyelination and Primes Them for Differentiation during Remyelination. Journal of Neuroscience, 2015, 35, 11482-11499.	3.6	67
62	E2F1 Coregulates Cell Cycle Genes and Chromatin Components during the Transition of Oligodendrocyte Progenitors from Proliferation to Differentiation. Journal of Neuroscience, 2014, 34, 1481-1493.	3.6	64
63	Cerebrospinal fluid ceramides from patients with multiple sclerosis impair neuronal bioenergetics. Brain, 2014, 137, 2271-2286.	7.6	128
64	c-Myc-dependent transcriptional regulation of cell cycle and nucleosomal histones during oligodendrocyte differentiation. Neuroscience, 2014, 276, 72-86.	2.3	35
65	Epigenome-wide differences in pathology-free regions of multiple sclerosisâ€“affected brains. Nature Neuroscience, 2014, 17, 121-130.	14.8	239
66	Common dysregulation network in the human prefrontal cortex underlies two neurodegenerative diseases. Molecular Systems Biology, 2014, 10, 743.	7.2	182
67	Selective Chemical Modulation of Gene Transcription Favors Oligodendrocyte Lineage Progression. Chemistry and Biology, 2014, 21, 841-854.	6.0	132
68	Combinatorial actions of Tgfî² and Activin ligands promote oligodendrocyte development and CNS myelination. Development (Cambridge), 2014, 141, 2414-2428.	2.5	30
69	EPIGENETIC MECHANISMS IN MULTIPLE SCLEROSIS. Revista EspaÃ±ola De Esclerosis MÃºltiple, 2014, 6, 25-35.	0.0	2
70	Epigenetic mechanisms in multiple sclerosis: implications for pathogenesis and treatment. Lancet Neurology, The, 2013, 12, 195-206.	10.2	123
71	Conserved Chromosome 2q31 Conformations Are Associated with Transcriptional Regulation of GAD1 GABA Synthesis Enzyme and Altered in Prefrontal Cortex of Subjects with Schizophrenia. Journal of Neuroscience, 2013, 33, 11839-11851.	3.6	60
72	Early life events effect on myelin gene expression. FASEB Journal, 2013, 27, 693.4.	0.5	0

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73	Impaired adult myelination in the prefrontal cortex of socially isolated mice. Nature Neuroscience, 2012, 15, 1621-1623.	14.8	578
74	Differential Modulation of the Oligodendrocyte Transcriptome by Sonic Hedgehog and Bone Morphogenetic Protein 4 via Opposing Effects on Histone Acetylation. Journal of Neuroscience, 2012, 32, 6651-6664.	3.6	77
75	An integrated approach to design novel therapeutic interventions for demyelinating disorders. European Journal of Neuroscience, 2012, 35, 1879-1886.	2.6	22
76	Maternal Cannabis Use Alters Ventral Striatal Dopamine D2 Gene Regulation in the Offspring. Biological Psychiatry, 2011, 70, 763-769.	1.3	215
77	Identification of a Gene Regulatory Network Necessary for the Initiation of Oligodendrocyte Differentiation. PLoS ONE, 2011, 6, e18088.	2.5	88
78	Roles of p53 and p27â€ŠKip1 in the regulation of neurogenesis in the murine adult subventricular zone. European Journal of Neuroscience, 2011, 34, 1040-1052.	2.6	38
79	Axonal Damage in Multiple Sclerosis. Mount Sinai Journal of Medicine, 2011, 78, 231-243.	1.9	96
80	Changed Histone Acetylation Patterns in Normal-Appearing White Matter and Early Multiple Sclerosis Lesions. Journal of Neuroscience, 2011, 31, 3435-3445.	3.6	130
81	Anti-TANKyrase weapons promote myelination. Nature Neuroscience, 2011, 14, 945-947.	14.8	8
82	Cellâ€context specific role of the E2F/Rb pathway in development and disease. Glia, 2010, 58, 377-390.	4.9	48
83	Defining the chromatin landscape in demyelinating disorders. Neurobiology of Disease, 2010, 39, 47-52.	4.4	9
84	Aspartoacylase deficiency affects early postnatal development of oligodendrocytes and myelination. Neurobiology of Disease, 2010, 40, 432-443.	4.4	28
85	HDAC1 nuclear export induced by pathological conditions is essential for the onset of axonal damage. Nature Neuroscience, 2010, 13, 180-189.	14.8	188
86	Yy1 as a molecular link between neuregulin and transcriptional modulation of peripheral myelination. Nature Neuroscience, 2010, 13, 1472-1480.	14.8	102
87	Shaping the oligodendrocyte identity by epigenetic control. Epigenetics, 2010, 5, 124-128.	2.7	34
88	HDAC inhibitors and neurodegeneration: At the edge between protection and damage. Pharmacological Research, 2010, 62, 11-17.	7.1	109
89	Gene expression abnormalities and oligodendrocyte deficits in the internal capsule in schizophrenia. Schizophrenia Research, 2010, 120, 150-158.	2.0	64
90	Primary brain tumors, neural stem cell, and brain tumor cancer cells: Where is the link?. Neuropharmacology, 2010, 58, 903-910.	4.1	53

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91	Epigenetic regulation of oligodendrocyte identity. Trends in Neurosciences, 2010, 33, 193-201.	8.6	130
92	Epigenetic Modifiers Are Necessary but Not Sufficient for Reprogramming Non-Myelinating Cells into Myelin Gene-Expressing Cells. PLoS ONE, 2010, 5, e13023.	2.5	27
93	Two-tier transcriptional control of oligodendrocyte differentiation. Current Opinion in Neurobiology, 2009, 19, 479-485.	4.2	83
94	Interplay of hormones and p53 in modulating gender dimorphism of subventricular zone cell number. Journal of Neuroscience Research, 2009, 87, 3297-3305.	2.9	14