## CITATION REPORT List of articles citing

Sialic acid on the neuronal glycocalyx prevents complement C1 binding and complement receptor-3-mediated removal by microglia

DOI: 10.1523/jneurosci.3830-11.2012 Journal of Neuroscience, 2012, 32, 946-52.

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#	Paper	IF	Citations
102	Microglia in development: linking brain wiring to brain environment. <b>2011</b> , 7, 77-83		81
101	Eaten alive! Cell death by primary phagocytosis: 'phagoptosis'. 2012, 37, 325-32		203
100	Complement-mediated microglial clearance of developing retinal ganglion cell axons. <b>2012</b> , 74, 597-9		12
99	Genetic Deficiency of Complement Component 3 Does Not Alter Disease Progression in a Mouse Model of Huntington's Disease. <b>2012</b> , 1, 107-18		18
98	Microglial carbohydrate-binding receptors for neural repair. <b>2012</b> , 349, 215-27		22
97	Microglial activatory (immunoreceptor tyrosine-based activation motif)- and inhibitory (immunoreceptor tyrosine-based inhibition motif)-signaling receptors for recognition of the neuronal glycocalyx. <b>2013</b> , 61, 37-46		83
96	The "quad-partite" synapse: microglia-synapse interactions in the developing and mature CNS. <b>2013</b> , 61, 24-36		348
95	Biomimetic mucin modified PLGA nanoparticles for enhanced blood compatibility. 2013, 409, 237-44		28
94	Siglec-h on activated microglia for recognition and engulfment of glioma cells. <b>2013</b> , 61, 1122-33		50
93	Microglia: key elements in neural development, plasticity, and pathology. 2013, 8, 494-509		83
92	Trans-sialidase stimulates eat me response from epithelial cells. <b>2013</b> , 14, 853-69		12
91	Unique transcriptome signature of mouse microglia. <b>2013</b> , 61, 1429-42		90
90	Contributions of microglia to structural synaptic plasticity. <b>2013</b> , 7, 85-91		12
89	Microglia and synapse interactions: fine tuning neural circuits and candidate molecules. 2013, 7, 70		92
88	Fractalkine regulation of microglial physiology and consequences on the brain and behavior. <b>2014</b> , 8, 129		182
87	Role of microglia adenosine A(2A) receptors in retinal and brain neurodegenerative diseases. <b>2014</b> , 2014, 465694		56
86	Neural ECM and synaptogenesis. <b>2014</b> , 214, 29-51		32

## (2016-2014)

85	Sweet escape: sialic acids in tumor immune evasion. <b>2014</b> , 1846, 238-46	64
84	Microglia in the aging retina. <b>2014</b> , 801, 207-12	24
83	Microglial phagocytosis of live neurons. <b>2014</b> , 15, 209-16	471
82	Siglec functions of microglia. <b>2014</b> , 24, 794-9	41
81	Emergent properties of microglia. <b>2014</b> , 24, 665-70	19
80	Neurodegeneration by activation of the microglial complement-phagosome pathway. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 8546-56	146
79	Fine-tuning the central nervous system: microglial modelling of cells and synapses. <b>2014</b> , 369, 20130593	48
78	A standardized randomized 6-month aerobic exercise-training down-regulated pro-inflammatory genes, but up-regulated anti-inflammatory, neuron survival and axon growth-related genes. <b>2015</b> , 69, 159-69	14
77	Microglia: multitasking specialists of the brain. <b>2015</b> , 32, 469-77	122
76	Complementing the Sugar Code: Role of GAGs and Sialic Acid in Complement Regulation. <b>2015</b> , 6, 25	54
75	Microglia Function in Central Nervous System Development and Plasticity. <b>2015</b> , 7, a020545	190
74	Validation of Flow Cytometry and Magnetic Bead-Based Methods to Enrich CNS Single Cell Suspensions for Quiescent Microglia. <b>2015</b> , 10, 655-65	5
73	Lack of Neuronal IFN-EFNAR Causes Lewy Body- and Parkinson's Disease-like Dementia. <b>2015</b> , 163, 324-39	113
7 <del>2</del>	Post-conversion sialylation of prions in lymphoid tissues. <b>2015</b> , 112, E6654-62	31
71	Microglia function during brain development: New insights from animal models. 2015, 1617, 7-17	143
70	Fucosyltransferase 2: a genetic risk factor for primary sclerosing cholangitis and Crohn's diseasea comprehensive review. <b>2015</b> , 48, 182-91	40
69	Multifaceted Role of Sialylation in Prion Diseases. <b>2016</b> , 10, 358	40
68	Reversible off and on switching of prion infectivity via removing and reinstalling prion sialylation. <b>2016</b> , 6, 33119	21

67	Sialylation of neurites inhibits complement-mediated macrophage removal in a human macrophage-neuron Co-Culture System. <b>2016</b> , 64, 35-47	22
66	Microglia: Architects of the Developing Nervous System. <b>2016</b> , 26, 587-597	152
65	NADPH oxidases in oxidant production by microglia: activating receptors, pharmacology and association with disease. <b>2017</b> , 174, 1733-1749	77
64	Activated Microglia Desialylate and Phagocytose Cells via Neuraminidase, Galectin-3, and Mer Tyrosine Kinase. <b>2017</b> , 198, 4792-4801	53
63	C1q: A fresh look upon an old molecule. <b>2017</b> , 89, 73-83	120
62	Evidence for C1q-mediated crosslinking of CD33/LAIR-1 inhibitory immunoreceptors and biological control of CD33/LAIR-1 expression. <b>2017</b> , 7, 270	35
61	Limited understanding of the functional diversity of N-linked glycans as a major gap of prion biology. <b>2017</b> , 11, 82-88	9
60	Analyses of N-linked glycans of PrP revealed predominantly 2,6-linked sialic acid residues. <b>2017</b> , 284, 3727-3738	10
59	Errant gardeners: glial-cell-dependent synaptic pruning and neurodevelopmental disorders. <b>2017</b> , 18, 658-670	137
58	The Role of Microglia in Retinal Neurodegeneration: Alzheimer's Disease, Parkinson, and Glaucoma. <b>2017</b> , 9, 214	218
57	The Pathophysiological Role of Microglia in Dynamic Surveillance, Phagocytosis and Structural Remodeling of the Developing CNS. <b>2017</b> , 10, 191	121
56	Neurophagy, the phagocytosis of live neurons and synapses by glia, contributes to brain development and disease. <b>2018</b> , 285, 3566-3575	78
55	Contribution of Neurons and Glial Cells to Complement-Mediated Synapse Removal during Development, Aging and in Alzheimer's Disease. <b>2018</b> , 2018, 2530414	34
54	Prion Strain-Specific Structure and Pathology: A View from the Perspective of Glycobiology. <b>2018</b> , 10,	20
53	Modulation of three key innate immune pathways for the most common retinal degenerative diseases. <b>2018</b> , 10,	58
52	Inflammatory response of microglia to prions is controlled by sialylation of PrP. <b>2018</b> , 8, 11326	23
51	Neuronal Cell Death. <b>2018</b> , 98, 813-880	376
50	Intersection of pathological tau and microglia at the synapse. <b>2019</b> , 7, 109	67

## (2021-2019)

49	Parenchymal and non-parenchymal immune cells in the brain: A critical role in regulating CNS functions. <b>2019</b> , 77, 26-38	7
48	Basic Concept of Microglia Biology and Neuroinflammation in Relation to Psychiatry. <b>2020</b> , 44, 9-34	13
47	Dual functions of microglia in the formation and refinement of neural circuits during development. <b>2019</b> , 77, 18-25	14
46	Activated microglia desialylate their surface, stimulating complement receptor 3-mediated phagocytosis of neurons. <b>2020</b> , 68, 989-998	25
45	Role of sialylation in prion disease pathogenesis and prion structure. <b>2020</b> , 175, 31-52	1
44	The good, the bad, and the opportunities of the complement system in neurodegenerative disease. <b>2020</b> , 17, 354	38
43	Microglia: sculptors of neuropathic pain?. <b>2020</b> , 7, 200260	6
42	Control of Innate Immunity by Sialic Acids in the Nervous Tissue. <b>2020</b> , 21,	8
41	Glycobiology and schizophrenia: a biological hypothesis emerging from genomic research. <b>2020</b> , 25, 3129-313	<b>39</b> 18
40	Sialylation and Galectin-3 in Microglia-Mediated Neuroinflammation and Neurodegeneration. <b>2020</b> , 14, 162	28
39	Region-specific glial homeostatic signature in prion diseases is replaced by a uniform neuroinflammation signature, common for brain regions and prion strains with different cell tropism. <b>2020</b> , 137, 104783	20
38	Reduced sialylation triggers homeostatic synapse and neuronal loss in middle-aged mice. <b>2020</b> , 88, 91-107	10
37	Sialylation acts as a checkpoint for innate immune responses in the central nervous system. <b>2021</b> , 69, 1619-1636	6
36	Oxidative Stress-Related Mechanisms in Schizophrenia Pathogenesis and New Treatment Perspectives. <b>2021</b> , 2021, 8881770	24
35	Identification of Neuronal Pentraxins as Synaptic Binding Partners of C1q and the Involvement of NP1 in Synaptic Pruning in Adult Mice. <b>2020</b> , 11, 599771	3
34	Site-specific analysis of N-glycans from different sheep prion strains. <b>2021</b> , 17, e1009232	2
33	Deletion of Alzheimer's disease-associated CD33 results in an inflammatory human microglia phenotype. <b>2021</b> , 69, 1393-1412	15
32	Microglial phagocytosis of neurons in neurodegeneration, and its regulation. <b>2021</b> , 158, 621-639	21

31	Complement cascade functions during brain development and neurodegeneration. 2021,	4
30	Microglia complement signaling promotes neuronal elimination and normal brain functional connectivity.	
29	Neuroinflammation: Integrated Nervous Tissue Response through Intercellular Interactions at the "Whole System" Scale. <b>2021</b> , 10,	5
28	Mechanisms of neuronal cell death in ischemic stroke and their therapeutic implications. <b>2022</b> , 42, 259-305	26
27	Microglial Implications in SARS-CoV-2 Infection and COVID-19: Lessons From Viral RNA Neurotropism and Possible Relevance to Parkinson's Disease. <b>2021</b> , 15, 670298	13
26	The Phagocytic Code Regulating Phagocytosis of Mammalian Cells. <b>2021</b> , 12, 629979	12
25	Microglia as hackers of the matrix: sculpting synapses and the extracellular space. <b>2021</b> , 18, 2472-2488	8
24	Low molecular weight polysialic acid prevents lipopolysaccharide-induced inflammatory dopaminergic neurodegeneration in humanized SIGLEC11 transgenic mice. <b>2021</b> , 69, 2845-2862	1
23	Mechanisms governing activity-dependent synaptic pruning in the developing mammalian CNS. <b>2021</b> , 22, 657-673	21
22	Microglial functional alteration and increased diversity in the challenged brain: Insights into novel targets for intervention. <b>2021</b> , 16, 100301	5
21	Posttranslational modifications define course of prion strain adaptation and disease phenotype. <b>2020</b> , 130, 4382-4395	11
20	Intranasal post-cardiac arrest treatment with orexin-A facilitates arousal from coma and ameliorates neuroinflammation. <b>2017</b> , 12, e0182707	17
19	Janus-faced microglia: beneficial and detrimental consequences of microglial phagocytosis. <b>2013</b> , 7, 6	349
18	Metabolic Labeling of Primary Neurons Using Carbohydrate Click Chemistry. <b>2022</b> , 2370, 315-322	О
17	Role of Microglia in the Normal Brain. <b>2013</b> ,	
16	Developing and Mature Synapses. <b>2014</b> , 223-248	1
15	Loss of region-specific glial homeostatic signature in prion diseases.	
14	The restricted nature of protein glycosylation in the mammalian brain.	1

## CITATION REPORT

13	In depth understanding of retinitis pigmentosa pathogenesis through optical coherence tomography angiography analysis: a narrative review <b>2021</b> , 14, 1979-1985	1
12	Mammalian brain glycoproteins exhibit diminished glycan complexity compared to other tissues <b>2022</b> , 13, 275	2
11	Role of sialylation of N-linked glycans in prion pathogenesis <b>2022</b> , 1	o
10	The Role of Microglial Phagocytosis in Ischemic Stroke <b>2021</b> , 12, 790201	4
9	Phagocytic astrocytes: Emerging from the shadows of microglia 2022,	1
8	Distinctive Toll-like Receptors Gene Expression and Glial Response in Different Brain Regions of Natural Scrapie <b>2022</b> , 23,	o
7	Low molecular weight polysialic acid binds to properdin and reduces the activity of the alternative complement pathway <b>2022</b> , 12, 5818	0
6	Neuronal Loss after Stroke Due to Microglial Phagocytosis of Stressed Neurons <b>2021</b> , 22,	5
5	Microglial phagocytosis and regulatory mechanisms after stroke 2022, 271678X221098841	2
4	Microglia as a Hub for Suicide Neuropathology: Future Investigation and Prevention Targets. <b>2022</b> , 16,	O
3	Phagocytic microglia and macrophages in brain injury and repair.	O
2	The Missing Piece? A Case for Microgliad Prominent Role in the Therapeutic Action of Anesthetics, Ketamine, and Psychedelics.	1
1	The case for complement component 5 as a target in neurodegenerative disease. <b>2023</b> , 27, 97-109	0