

Sophie Laye

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158
papers

8,207
citations

51
h-index

87
g-index

173
ext. papers

9,634
ext. citations

6.9
avg, IF

6.29
L-index

#	Paper	IF	Citations
158	Polyunsaturated fatty acids and their metabolites in brain function and disease. <i>Nature Reviews Neuroscience</i> , 2014 , 15, 771-85	13.5	729
157	Peripheral administration of lipopolysaccharide induces the expression of cytokine transcripts in the brain and pituitary of mice. <i>Molecular Brain Research</i> , 1994 , 27, 157-62		427
156	Chronic low-grade inflammation in elderly persons is associated with altered tryptophan and tyrosine metabolism: role in neuropsychiatric symptoms. <i>Biological Psychiatry</i> , 2011 , 70, 175-82	7.9	254
155	Nutritional omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions. <i>Nature Neuroscience</i> , 2011 , 14, 345-50	25.5	227
154	Impairment of hippocampal-dependent memory induced by juvenile high-fat diet intake is associated with enhanced hippocampal inflammation in rats. <i>Brain, Behavior, and Immunity</i> , 2014 , 40, 9-17	16.6	224
153	Molecular basis of sickness behavior. <i>Annals of the New York Academy of Sciences</i> , 1998 , 856, 132-8	6.5	200
152	Cytokines and sickness behavior. <i>Annals of the New York Academy of Sciences</i> , 1998 , 840, 586-90	6.5	198
151	The neuroimmune basis of fatigue. <i>Trends in Neurosciences</i> , 2014 , 37, 39-46	13.3	187
150	Anti-Inflammatory Effects of Omega-3 Fatty Acids in the Brain: Physiological Mechanisms and Relevance to Pharmacology. <i>Pharmacological Reviews</i> , 2018 , 70, 12-38	22.5	186
149	Juvenile, but not adult exposure to high-fat diet impairs relational memory and hippocampal neurogenesis in mice. <i>Hippocampus</i> , 2012 , 22, 2095-100	3.5	181
148	Cognitive and emotional alterations are related to hippocampal inflammation in a mouse model of metabolic syndrome. <i>PLoS ONE</i> , 2011 , 6, e24325	3.7	169
147	Endogenous brain IL-1 mediates LPS-induced anorexia and hypothalamic cytokine expression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R93-8	3.2	159
146	Diet-induced obesity progressively alters cognition, anxiety-like behavior and lipopolysaccharide-induced depressive-like behavior: focus on brain indoleamine 2,3-dioxygenase activation. <i>Brain, Behavior, and Immunity</i> , 2014 , 41, 10-21	16.6	145
145	Docosahexaenoic acid prevents lipopolysaccharide-induced cytokine production in microglial cells by inhibiting lipopolysaccharide receptor presentation but not its membrane subdomain localization. <i>Journal of Neurochemistry</i> , 2008 , 105, 296-307	6	139
144	Short-term long chain omega3 diet protects from neuroinflammatory processes and memory impairment in aged mice. <i>PLoS ONE</i> , 2012 , 7, e36861	3.7	136
143	Role of neuroinflammation in the emotional and cognitive alterations displayed by animal models of obesity. <i>Frontiers in Neuroscience</i> , 2015 , 9, 229	5.1	110
142	Adrenalectomy enhances pro-inflammatory cytokines gene expression, in the spleen, pituitary and brain of mice in response to lipopolysaccharide. <i>Molecular Brain Research</i> , 1996 , 36, 53-62		110

141	Nutritional n-3 PUFAs deficiency during perinatal periods alters brain innate immune system and neuronal plasticity-associated genes. <i>Brain, Behavior, and Immunity</i> , 2014 , 41, 22-31	16.6	105
140	Polyunsaturated fatty acids, neuroinflammation and well being. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010 , 82, 295-303	2.8	104
139	Inhibiting Microglia Expansion Prevents Diet-Induced Hypothalamic and Peripheral Inflammation. <i>Diabetes</i> , 2017 , 66, 908-919	0.9	96
138	Stress downregulates lipopolysaccharide-induced expression of proinflammatory cytokines in the spleen, pituitary, and brain of mice. <i>Brain, Behavior, and Immunity</i> , 1995 , 9, 292-303	16.6	93
137	Relationship between adiposity, emotional status and eating behaviour in obese women: role of inflammation. <i>Psychological Medicine</i> , 2011 , 41, 1517-28	6.9	92
136	Microglia in neuronal plasticity: Influence of stress. <i>Neuropharmacology</i> , 2015 , 96, 19-28	5.5	90
135	Neuronal Hyperactivity Disturbs ATP Microgradients, Impairs Microglial Motility, and Reduces Phagocytic Receptor Expression Triggering Apoptosis/Microglial Phagocytosis Uncoupling. <i>PLoS Biology</i> , 2016 , 14, e1002466	9.7	89
134	In vitro and in vivo evidence for a role of the P2X7 receptor in the release of IL-1 beta in the murine brain. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 234-44	16.6	87
133	Resolvin D1 and E1 promote resolution of inflammation in microglial cells in vitro. <i>Brain, Behavior, and Immunity</i> , 2016 , 55, 249-259	16.6	85
132	Food for thought: how nutrition impacts cognition and emotion. <i>Npj Science of Food</i> , 2017 , 1, 7	6.3	84
131	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018 , 42, 40-55	12	83
130	Inflammation early in life is a vulnerability factor for emotional behavior at adolescence and for lipopolysaccharide-induced spatial memory and neurogenesis alteration at adulthood. <i>Journal of Neuroinflammation</i> , 2014 , 11, 155	10.1	81
129	Nutritional n-3 polyunsaturated fatty acids deficiency alters cannabinoid receptor signaling pathway in the brain and associated anxiety-like behavior in mice. <i>Journal of Physiology and Biochemistry</i> , 2012 , 68, 671-81	5	80
128	n-3 LCPUFA improves cognition: the young, the old and the sick. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014 , 91, 1-20	2.8	78
127	Long term adequate n-3 polyunsaturated fatty acid diet protects from depressive-like behavior but not from working memory disruption and brain cytokine expression in aged mice. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 721-31	16.6	77
126	Impaired interleukin-1beta and c-Fos expression in the hippocampus is associated with a spatial memory deficit in P2X(7) receptor-deficient mice. <i>PLoS ONE</i> , 2009 , 4, e6006	3.7	76
125	Uncoupling of interleukin-6 from its signalling pathway by dietary n-3-polyunsaturated fatty acid deprivation alters sickness behaviour in mice. <i>European Journal of Neuroscience</i> , 2008 , 28, 1877-86	3.5	75
124	Nutritional omega-3 modulates neuronal morphology in the prefrontal cortex along with depression-related behaviour through corticosterone secretion. <i>Translational Psychiatry</i> , 2014 , 4, e437	8.6	74

123	Nuclear factor kappaB nuclear translocation as a crucial marker of brain response to interleukin-1. A study in rat and interleukin-1 type I deficient mouse. <i>Journal of Neurochemistry</i> , 2003 , 87, 1024-36	6	72
122	Spatiotemporal analysis of signal transducer and activator of transcription 3 activation in rat brain astrocytes and pituitary following peripheral immune challenge. <i>Neuroscience</i> , 2002 , 112, 717-29	3.9	67
121	Juvenile obesity enhances emotional memory and amygdala plasticity through glucocorticoids. <i>Journal of Neuroscience</i> , 2015 , 35, 4092-103	6.6	66
120	Mechanisms of the behavioural effects of cytokines. <i>Advances in Experimental Medicine and Biology</i> , 1999 , 461, 83-105	3.6	66
119	Neuroinflammation in Autism: Plausible Role of Maternal Inflammation, Dietary Omega 3, and Microbiota. <i>Neural Plasticity</i> , 2016 , 2016, 3597209	3.3	65
118	Impact of prebiotics on metabolic and behavioral alterations in a mouse model of metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , 2017 , 64, 33-49	16.6	64
117	Interleukin-1 receptor accessory protein interacts with the type II interleukin-1 receptor. <i>FEBS Letters</i> , 1998 , 429, 299-302	3.8	62
116	Transgenic increase in n-3/n-6 fatty acid ratio protects against cognitive deficits induced by an immune challenge through decrease of neuroinflammation. <i>Neuropsychopharmacology</i> , 2015 , 40, 525-36	8.7	61
115	Dietary n-3 PUFAs Deficiency Increases Vulnerability to Inflammation-Induced Spatial Memory Impairment. <i>Neuropsychopharmacology</i> , 2015 , 40, 2774-87	8.7	59
114	Food for Mood: Relevance of Nutritional Omega-3 Fatty Acids for Depression and Anxiety. <i>Frontiers in Physiology</i> , 2018 , 9, 1047	4.6	59
113	Lipopolysaccharide-induced brain activation of the indoleamine 2,3-dioxygenase and depressive-like behavior are impaired in a mouse model of metabolic syndrome. <i>Psychoneuroendocrinology</i> , 2014 , 40, 48-59	5	59
112	Adipose inflammation in obesity: relationship with circulating levels of inflammatory markers and association with surgery-induced weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E53-61	5.6	57
111	Multi-hit early life adversity affects gut microbiota, brain and behavior in a sex-dependent manner. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 179-192	16.6	54
110	Docosahexaenoic acid-containing choline phospholipid modulates LPS-induced neuroinflammation in vivo and in microglia in vitro. <i>Journal of Neuroinflammation</i> , 2017 , 14, 170	10.1	52
109	Modulation of brain PUFA content in different experimental models of mice. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 114, 1-10	2.8	52
108	Fatigue symptoms relate to systemic inflammation in patients with type 2 diabetes. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 1211-9	16.6	51
107	Metformin Promotes Anxiolytic and Antidepressant-Like Responses in Insulin-Resistant Mice by Decreasing Circulating Branched-Chain Amino Acids. <i>Journal of Neuroscience</i> , 2019 , 39, 5935-5948	6.6	50
106	Impact of Dietary Fats on Brain Functions. <i>Current Neuropharmacology</i> , 2018 , 16, 1059-1085	7.6	49

105	Early morphofunctional plasticity of microglia in response to acute lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2013 , 34, 151-8	16.6	48
104	Influence of feeding status on neuronal activity in the hypothalamus during lipopolysaccharide-induced anorexia in rats. <i>Neuroscience</i> , 2005 , 134, 933-46	3.9	48
103	Dietary omega-3 deficiency exacerbates inflammation and reveals spatial memory deficits in mice exposed to lipopolysaccharide during gestation. <i>Brain, Behavior, and Immunity</i> , 2018 , 73, 427-440	16.6	47
102	N-3 Polyunsaturated Fatty Acids and the Resolution of Neuroinflammation. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1022	5.6	47
101	Astrocyte-derived adenosine modulates increased sleep pressure during inflammatory response. <i>Glia</i> , 2013 , 61, 724-31	9	47
100	Leucine supplementation protects from insulin resistance by regulating adiposity levels. <i>PLoS ONE</i> , 2013 , 8, e74705	3.7	46
99	Endocannabinoid-Mediated Plasticity in Nucleus Accumbens Controls Vulnerability to Anxiety after Social Defeat Stress. <i>Cell Reports</i> , 2016 , 16, 1237-1242	10.6	44
98	Perinatal high-fat diet increases hippocampal vulnerability to the adverse effects of subsequent high-fat feeding. <i>Psychoneuroendocrinology</i> , 2015 , 53, 82-93	5	44
97	Vitamin E status and quality of life in the elderly: influence of inflammatory processes. <i>British Journal of Nutrition</i> , 2009 , 102, 1390-4	3.6	44
96	Polyphenols From Grape and Blueberry Improve Episodic Memory in Healthy Elderly with Lower Level of Memory Performance: A Bicentric Double-Blind, Randomized, Placebo-Controlled Clinical Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 996-1007	6.4	43
95	Regulation of cytokine gene expression in the central nervous system by glucocorticoids: mechanisms and functional consequences. <i>Psychoneuroendocrinology</i> , 1997 , 22 Suppl 1, S75-80	5	43
94	Polyphenol-rich extract from grape and blueberry attenuates cognitive decline and improves neuronal function in aged mice. <i>Journal of Nutritional Science</i> , 2018 , 7, e19	2.7	40
93	Switching Adolescent High-Fat Diet to Adult Control Diet Restores Neurocognitive Alterations. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 225	3.5	40
92	Nutritional n-3 PUFA Deficiency Abolishes Endocannabinoid Gating of Hippocampal Long-Term Potentiation. <i>Cerebral Cortex</i> , 2017 , 27, 2571-2579	5.1	39
91	Dietary n-3 long chain PUFA supplementation promotes a pro-resolving oxylipin profile in the brain. <i>Brain, Behavior, and Immunity</i> , 2019 , 76, 17-27	16.6	39
90	Dietary supplementation of omega-3 fatty acids rescues fragile X phenotypes in Fmr1-Ko mice. <i>Psychoneuroendocrinology</i> , 2014 , 49, 119-29	5	39
89	Neuroinflammatory processes in cognitive disorders: Is there a role for flavonoids and n-3 polyunsaturated fatty acids in counteracting their detrimental effects?. <i>Neurochemistry International</i> , 2015 , 89, 63-74	4.4	38
88	Effects of lipopolysaccharide and glucocorticoids on expression of interleukin-1 beta converting enzyme in the pituitary and brain of mice. <i>Journal of Neuroimmunology</i> , 1996 , 68, 61-6	3.5	36

87	Maternal high-fat diet prevents developmental programming by early-life stress. <i>Translational Psychiatry</i> , 2016 , 6, e966	8.6	36
86	Role of interleukin-1beta and tumour necrosis factor-alpha in lipopolysaccharide-induced sickness behaviour: a study with interleukin-1 type I receptor-deficient mice. <i>European Journal of Neuroscience</i> , 2000 , 12, 4447-4456	3.5	35
85	How French subjects describe well-being from food and eating habits? Development, item reduction and scoring definition of the Well-Being related to Food Questionnaire (Well-BFQ [®]). <i>Appetite</i> , 2016 , 96, 333-346	4.5	34
84	Low-grade inflammation is a major contributor of impaired attentional set shifting in obese subjects. <i>Brain, Behavior, and Immunity</i> , 2016 , 58, 63-68	16.6	30
83	Maternal high-fat diet and early life stress differentially modulate spine density and dendritic morphology in the medial prefrontal cortex of juvenile and adult rats. <i>Brain Structure and Function</i> , 2018 , 223, 883-895	4	29
82	Maternal n-3 polyunsaturated fatty acid dietary supply modulates microglia lipid content in the offspring. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018 , 133, 1-7	2.8	28
81	Interleukin 1 receptor accessory protein (IL-1RAcP) is necessary for centrally mediated neuroendocrine and immune responses to IL-1beta. <i>Journal of Neuroimmunology</i> , 2000 , 110, 134-9	3.5	28
80	The effect of high-fat diet consumption on appetitive instrumental behavior in rats. <i>Appetite</i> , 2017 , 108, 203-211	4.5	27
79	Study of <i>Helicobacter pullorum</i> proinflammatory properties on human epithelial cells in vitro. <i>Gut</i> , 2009 , 58, 629-35	19.2	27
78	Brain eicosapentaenoic acid metabolism as a lead for novel therapeutics in major depression. <i>Brain, Behavior, and Immunity</i> , 2020 , 85, 21-28	16.6	27
77	Behavioral and Transcriptomic Fingerprints of an Enriched Environment in Horses (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2014 , 9, e114384	3.7	26
76	Fatigue and cognitive symptoms in patients with diabetes: relationship with disease phenotype and insulin treatment. <i>Psychoneuroendocrinology</i> , 2012 , 37, 1468-78	5	26
75	Neurobiology of inflammation-associated anorexia. <i>Frontiers in Neuroscience</i> , 2009 , 3, 59	5.1	26
74	Omega-3 polyunsaturated fatty acids and brain health: Preclinical evidence for the prevention of neurodegenerative diseases. <i>Trends in Food Science and Technology</i> , 2017 , 69, 203-213	15.3	25
73	Amplification of mGlu-Endocannabinoid Signaling Rescues Behavioral and Synaptic Deficits in a Mouse Model of Adolescent and Adult Dietary Polyunsaturated Fatty Acid Imbalance. <i>Journal of Neuroscience</i> , 2017 , 37, 6851-6868	6.6	24
72	Impact of perinatal exposure to high-fat diet and stress on responses to nutritional challenges, food-motivated behaviour and mesolimbic dopamine function. <i>International Journal of Obesity</i> , 2017 , 41, 502-509	5.5	24
71	Cytokine Actions on Behavior. <i>Neuroscience Intelligence Unit</i> , 1996 , 117-144		24
70	Brain tumor necrosis factor- α mediates anxiety-like behavior in a mouse model of severe obesity. <i>Brain, Behavior, and Immunity</i> , 2019 , 77, 25-36	16.6	23

69	Bioactive lipids as new class of microglial modulators: When nutrition meets neuroimmunology. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 79, 19-26	5.5	22
68	Blockade of brain type II interleukin-1 receptors potentiates IL1beta-induced anorexia in mice. <i>Neuroscience Letters</i> , 1998 , 246, 101-4	3.3	22
67	Dietary Polyphenol Supplementation Prevents Alterations of Spatial Navigation in Middle-Aged Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 9	3.5	22
66	Microglial activation enhances associative taste memory through purinergic modulation of glutamatergic neurotransmission. <i>Journal of Neuroscience</i> , 2015 , 35, 3022-33	6.6	20
65	In vivo activation of the interleukin-6 receptor/gp130 signaling pathway in pituitary corticotropes of lipopolysaccharide-treated rats. <i>Neuroendocrinology</i> , 2003 , 77, 32-43	5.6	20
64	Characterization of STAT3-expressing cells in the postnatal rat brain. <i>Brain Research</i> , 2006 , 1098, 26-32	3.7	19
63	Mechanisms involved in dual vasopressin/apelin neuron dysfunction during aging. <i>PLoS ONE</i> , 2014 , 9, e87421	3.7	18
62	NF kappa B activation in mouse pituitary: comparison of response to interleukin-1 beta and lipopolysaccharide. <i>Journal of Neuroendocrinology</i> , 2003 , 15, 304-14	3.8	18
61	Nutritional Omega-3 Deficiency Alters Glucocorticoid Receptor-Signaling Pathway and Neuronal Morphology in Regionally Distinct Brain Structures Associated with Emotional Deficits. <i>Neural Plasticity</i> , 2016 , 2016, 8574830	3.3	18
60	Erythrocyte DHA level as a biomarker of DHA status in specific brain regions of n-3 long-chain PUFA-supplemented aged rats. <i>British Journal of Nutrition</i> , 2014 , 112, 1805-18	3.6	16
59	Dairy fat blend improves brain DHA and neuroplasticity and regulates corticosterone in mice. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 109, 29-38	2.8	16
58	Chronic Supplementation with a Mix of and Improves Morris Water Maze Learning in Normal Adult C57Bl/6J Mice. <i>Nutrients</i> , 2020 , 12,	6.7	14
57	n-3 Polyunsaturated Fatty Acids and Their Derivates Reduce Neuroinflammation during Aging. <i>Nutrients</i> , 2020 , 12,	6.7	14
56	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. <i>Cell Metabolism</i> , 2020 , 31, 773-790.e11	24.6	12
55	Enriched dairy fat matrix diet prevents early life lipopolysaccharide-induced spatial memory impairment at adulthood. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 113, 9-18	2.8	12
54	Alzheimer's Disease and Helicobacter pylori Infection: Inflammation from Stomach to Brain?. <i>Journal of Alzheimer's Disease</i> , 2020 , 73, 801-809	4.3	12
53	Role of interleukin-1 and tumour necrosis factor in lipopolysaccharide-induced sickness behaviour: a study with interleukin-1 type I receptor-deficient mice. <i>European Journal of Neuroscience</i> , 2000 , 12, 4447-4456	3.5	11
52	Perinatal Dietary Polyunsaturated Fatty Acids in Brain Development, Role in Neurodevelopmental Disorders. <i>Nutrients</i> , 2021 , 13,	6.7	11

51	EPA/DHA and Vitamin A Supplementation Improves Spatial Memory and Alleviates the Age-related Decrease in Hippocampal RXR α and Kinase Expression in Rats. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 103	5.3	11
50	Pharmacological restoration of gut barrier function in stressed neonates partially reverses long-term alterations associated with maternal separation. <i>Psychopharmacology</i> , 2019 , 236, 1583-1596	4.7	10
49	N-3 polyunsaturated fatty acid and neuroinflammation in aging and Alzheimer's disease. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2015 , 3, 33-47		10
48	Physiological significance of the interleukin 1 receptor accessory protein. <i>NeuroImmunoModulation</i> , 2001 , 9, 225-30	2.5	10
47	Causal Link between n-3 Polyunsaturated Fatty Acid Deficiency and Motivation Deficits. <i>Cell Metabolism</i> , 2020 , 31, 755-772.e7	24.6	9
46	PUFA and their derivatives in neurotransmission and synapses: a new hallmark of synaptopathies. <i>Proceedings of the Nutrition Society</i> , 2020 , 1-16	2.9	9
45	Cytokines, Sickness Behavior, and Depression 2007 , 281-318		9
44	Reward-related brain activity and behavior are associated with peripheral ghrelin levels in obesity. <i>Psychoneuroendocrinology</i> , 2020 , 112, 104520	5	9
43	Direct and indirect effects of lipids on microglia function. <i>Neuroscience Letters</i> , 2019 , 708, 134348	3.3	8
42	Human/mouse interleukin-1 receptor/receptor accessory protein interactions in IL-1beta-induced NFkappaB activation. <i>FEBS Letters</i> , 1998 , 429, 307-11	3.8	8
41	Pituitary cocaine- and amphetamine-regulated transcript expression depends on the strain, sex and oestrous cycle in the rat. <i>Journal of Neuroendocrinology</i> , 2006 , 18, 426-33	3.8	8
40	Examining techniques for measuring the effects of nutrients on mental performance and mood state. <i>European Journal of Nutrition</i> , 2016 , 55, 1991-2000	5.2	7
39	Decrease in Operant Responding Under Obesogenic Diet Exposure is not Related to Deficits in Incentive or Hedonic Processes. <i>Obesity</i> , 2019 , 27, 255-263	8	7
38	Dietary vitamin A supplementation prevents early obesogenic diet-induced microbiota, neuronal and cognitive alterations. <i>International Journal of Obesity</i> , 2021 , 45, 588-598	5.5	7
37	mTORC1 pathway disruption abrogates the effects of the ciliary neurotrophic factor on energy balance and hypothalamic neuroinflammation. <i>Brain, Behavior, and Immunity</i> , 2018 , 70, 325-334	16.6	6
36	Age-related changes in nestin immunoreactivity in the rat pituitary gland. <i>Neuroendocrinology</i> , 2009 , 90, 19-30	5.6	6
35	Dietary Omega-6/Omega-3 and Endocannabinoids: Implications for Brain Health and Diseases 2016 ,		6
34	Maternal dietary omega-3 deficiency worsens the deleterious effects of prenatal inflammation on the gut-brain axis in the offspring across lifetime. <i>Neuropsychopharmacology</i> , 2021 , 46, 579-602	8.7	6

33	Rapeseed oil fortified with micronutrients improves cognitive alterations associated with metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , 2020 , 84, 23-35	16.6	5
32	Tetrahydrobiopterin administration facilitates amphetamine-induced dopamine release and motivation in mice. <i>Behavioural Brain Research</i> , 2020 , 379, 112348	3.4	5
31	Dietary N-3 PUFA deficiency affects sleep-wake activity in basal condition and in response to an inflammatory challenge in mice. <i>Brain, Behavior, and Immunity</i> , 2020 , 85, 162-169	16.6	5
30	Supplementation with low molecular weight peptides from fish protein hydrolysate reduces acute mild stress-induced corticosterone secretion and modulates stress responsive gene expression in mice. <i>Journal of Functional Foods</i> , 2021 , 76, 104292	5.1	5
29	Dietary fish hydrolysate supplementation containing n-3 LC-PUFAs and peptides prevents short-term memory and stress response deficits in aged mice. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 716-730	16.6	5
28	What do you eat? Dietary omega 3 can help to slow the aging process. <i>Brain, Behavior, and Immunity</i> , 2013 , 28, 14-5	16.6	4
27	Specific localization of signal transducer and activator of transcription 1 immunoreactivity in oxytocin neurons of the rat hypothalamus. <i>Brain Research</i> , 2003 , 994, 260-4	3.7	4
26	Visualizing and Profiling Lipids in the OVLT of Fat-1 and Wild Type Mouse Brains during LPS-Induced Systemic Inflammation Using AP-SMALDI MSI. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 4394-4406	5.7	3
25	Reduction of acute mild stress corticosterone response and changes in stress-responsive gene expression in male Balb/c mice after repeated administration of a L. root extract. <i>Food Science and Nutrition</i> , 2019 , 7, 3827-3841	3.2	3
24	N-3 PUFAs and neuroinflammatory processes in cognitive disorders. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016 , 23, D103	1.5	3
23	Nutrigenomic modification induced by anthocyanin-rich bilberry extract in the hippocampus of ApoE ^{-/-} mice. <i>Journal of Functional Foods</i> , 2021 , 85, 104609	5.1	3
22	External Validity of the Well-Being Related to Food Questionnaire (Well-Bfq): Variations According to the Subjects' Nutritional Status. <i>Value in Health</i> , 2015 , 18, A711	3.3	2
21	Neuroinflammation and aging: influence of dietary n-3 polyunsaturated fatty acid. <i>Oleagineux Corps Gras Lipides</i> , 2011 , 18, 301-306		2
20	Fish Hydrolysate Supplementation Containing n-3 Long Chain Polyunsaturated Fatty Acids and Peptides Prevents LPS-Induced Neuroinflammation. <i>Nutrients</i> , 2021 , 13,	6.7	2
19	Impact of Lactobacillus fermentum and dairy lipids in the maternal diet on the fatty acid composition of pups' brain and peripheral tissues. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 115, 24-34	2.8	2
18	Hierarchical Clustering of Neuronal Populations in the Rat Ventral Tegmental Area Based on Extracellular Electrophysiological Properties. <i>Frontiers in Neural Circuits</i> , 2020 , 14, 51	3.5	1
17	N-3 PUFA deficiency disrupts oligodendrocyte maturation and myelin integrity during brain development. <i>Glia</i> , 2022 , 70, 50-70	9	1
16	N-3 PUFA Deficiency Affects the Ultrastructural Organization and Density of White Matter Microglia in the Developing Brain of Male Mice.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 802411	6.1	0

15	Dietary Fish Hydrolysate Improves Memory Performance Through Microglial Signature Remodeling During Aging. <i>Frontiers in Nutrition</i> , 2021 , 8, 750292	6.2	o
14	Tetracosahexaenylethanolamide, a novel -acylethanolamide, is elevated in ischemia and increases neuronal output. <i>Journal of Lipid Research</i> , 2020 , 61, 1480-1490	6.3	o
13	Role of n-3 PUFAs in inflammation via resolvin biosynthesis. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016 , 23, D104	1.5	
12	Antiinflammatory Properties of Dietary n-3 Polyunsaturated Fatty Acids Protect Against Cognitive Decline in Aging and Neurodegenerative Diseases 2018 , 367-384		
11	n-3 Long-Chain PUFA-Containing Phospholipids and Neuroprotection 2019 , 249-265		
10	Gender specific behavioral alterations are associated with gut dysbiosis in mice exposed to multifactorial early-life adversity. <i>European Neuropsychopharmacology</i> , 2017 , 27, S682-S683	1.2	
9	Obesity- and Neuroinflammation-Associated Mood and Cognitive Disorders 2015 , 139-153		
8	Neurobiologie de l'anorexie inflammatoire. <i>Obesite</i> , 2011 , 6, 105-113	0.1	
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