

# Marina A Lynch

## List of Publications by Year in descending order

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142  
papers

12,252  
citations

18465

62  
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27389

106  
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142  
all docs

142  
docs citations

142  
times ranked

14076  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Modulatory Effects of DMF on Microglia in Aged Mice Are Sex-Specific. <i>Cells</i> , 2022, 11, 729.	1.8	10
2	Exploring Sex-Related Differences in Microglia May Be a Game-Changer in Precision Medicine. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 868448.	1.7	47
3	Microglial metabolism is a pivotal factor in sexual dimorphism in Alzheimer's disease. <i>Communications Biology</i> , 2021, 4, 711.	2.0	61
4	Can the emerging field of immunometabolism provide insights into neuroinflammation?. <i>Progress in Neurobiology</i> , 2020, 184, 101719.	2.8	53
5	The role of the immune system in driving neuroinflammation. <i>Brain and Neuroscience Advances</i> , 2020, 4, 239821281990108.	1.8	42
6	Exercise-induced re-programming of age-related metabolic changes in microglia is accompanied by a reduction in senescent cells. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 413-428.	2.0	50
7	Iron accumulation in microglia triggers a cascade of events that leads to altered metabolism and compromised function in APP/PS1 mice. <i>Brain Pathology</i> , 2019, 29, 606-621.	2.1	103
8	The NLRP3 inflammasome modulates glycolysis by increasing PFKFB3 in an IL-1 $\beta$ -dependent manner in macrophages. <i>Scientific Reports</i> , 2019, 9, 4034.	1.6	88
9	Monocytes exposed to plasma from patients with Alzheimer's disease undergo metabolic reprogramming. <i>Neuroscience Research</i> , 2019, 148, 54-60.	1.0	4
10	A shift to glycolysis accompanies the inflammatory changes in PBMCs from individuals with an IQ-discrepant memory. <i>Journal of Neuroimmunology</i> , 2018, 317, 24-31.	1.1	4
11	Inflammatory microglia are glycolytic and iron retentive and typify the microglia in APP/PS1 mice. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 183-196.	2.0	137
12	Anti-TLR2 antibody triggers oxidative phosphorylation in microglia and increases phagocytosis of $\beta$ -amyloid. <i>Journal of Neuroinflammation</i> , 2018, 15, 247.	3.1	68
13	FTY720 Attenuates Infection-Induced Enhancement of A $\beta$ Accumulation in APP/PS1 Mice by Modulating Astrocytic Activation. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 670-681.	2.1	25
14	Lung CD4 Tissue-Resident Memory T Cells Mediate Adaptive Immunity Induced by Previous Infection of Mice with <i>Bordetella pertussis</i> . <i>Journal of Immunology</i> , 2017, 199, 233-243.	0.4	124
15	Inhibiting the NLRP3 inflammasome with MCC950 promotes non-phlogistic clearance of amyloid- $\beta$ and cognitive function in APP/PS1 mice. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 306-316.	2.0	371
16	Analysis of the Impact of CD200 on Phagocytosis. <i>Molecular Neurobiology</i> , 2017, 54, 5730-5739.	1.9	35
17	The age-related neuroinflammatory environment promotes macrophage activation, which negatively impacts synaptic function. <i>Neurobiology of Aging</i> , 2016, 43, 140-148.	1.5	25
18	Targeting innate immunity for neurodegenerative disorders of the central nervous system. <i>Journal of Neurochemistry</i> , 2016, 138, 653-693.	2.1	106

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19	Inhibiting TLR2 activation attenuates amyloid accumulation and glial activation in a mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 191-200.	2.0	81
20	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 54-68.	2.2	14
21	Linking T cells to Alzheimer's disease: from neurodegeneration to neurorepair. <i>Current Opinion in Pharmacology</i> , 2016, 26, 67-73.	1.7	30
22	Bone Marrow-Derived Macrophages from A $\beta$ 2PP/PS1 Mice are Sensitized to the Effects of Inflammatory Stimuli. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 949-962.	1.2	21
23	T Cells—Protective or Pathogenic in Alzheimer's Disease?. <i>Journal of Neuroimmune Pharmacology</i> , 2015, 10, 547-560.	2.1	42
24	Involvement of IGF-1 and Akt in M1/M2 activation state in bone marrow-derived macrophages. <i>Experimental Cell Research</i> , 2015, 335, 258-268.	1.2	50
25	Neuroinflammatory changes negatively impact on LTP: A focus on IL-1 $\beta$ . <i>Brain Research</i> , 2015, 1621, 197-204.	1.1	76
26	Inhibition of JAK2 attenuates the increase in inflammatory markers in microglia from APP/PS1 mice. <i>Neurobiology of Aging</i> , 2015, 36, 2716-2724.	1.5	20
27	$\beta$ -TLR2 antibody attenuates the A $\beta$ -mediated inflammatory response in microglia through enhanced expression of SIGIRR. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 70-79.	2.0	33
28	Bone marrow-derived macrophages from aged rats are more responsive to inflammatory stimuli. <i>Journal of Neuroinflammation</i> , 2015, 12, 67.	3.1	56
29	How dependent is synaptic plasticity on microglial phenotype?. <i>Neuropharmacology</i> , 2015, 96, 3-10.	2.0	20
30	Modulation of Intestinal Microbiota by the Probiotic VSL#3 Resets Brain Gene Expression and Ameliorates the Age-Related Deficit in LTP. <i>PLoS ONE</i> , 2014, 9, e106503.	1.1	175
31	Respiratory infection promotes T cell infiltration and amyloid- $\beta$ deposition in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2014, 35, 109-121.	1.5	111
32	Age-associated dysregulation of microglial activation is coupled with enhanced blood-brain barrier permeability and pathology in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2014, 35, 1442-1452.	1.5	113
33	Glial Uptake of Amyloid Beta Induces NLRP3 Inflammasome Formation via Cathepsin-Dependent Degradation of NLRP10. <i>NeuroMolecular Medicine</i> , 2014, 16, 205-215.	1.8	39
34	Innate IFN $\alpha$ 3 promotes development of experimental autoimmune encephalomyelitis: A role for NK cells and M1 macrophages. <i>European Journal of Immunology</i> , 2014, 44, 2903-2917.	1.6	68
35	The impact of neuroimmune changes on development of amyloid pathology; relevance to Alzheimer's disease. <i>Immunology</i> , 2014, 141, 292-301.	2.0	56
36	The Age-related Gliosis and Accompanying Deficit in Spatial Learning are Unaffected by Dimebon. <i>Neurochemical Research</i> , 2013, 38, 1190-1195.	1.6	6

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37	An NCAM Mimetic, FGL, Alters Hippocampal Cellular Morphometry in Young Adult (4 Month-Old) Rats. <i>Neurochemical Research</i> , 2013, 38, 1208-1218.	1.6	7
38	Amyloid- $\beta$ -Induced Astrocytic Phagocytosis is Mediated by CD36, CD47 and RAGE. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 301-311.	2.1	120
39	Differential role of Dok1 and Dok2 in TLR2-induced inflammatory signaling in glia. <i>Molecular and Cellular Neurosciences</i> , 2013, 56, 148-158.	1.0	30
40	Classical activation of microglia in CD200-deficient mice is a consequence of blood brain barrier permeability and infiltration of peripheral cells. <i>Brain, Behavior, and Immunity</i> , 2013, 34, 86-97.	2.0	89
41	Glial Activation in A $\beta$ PP/PS1 Mice is Associated with Infiltration of IFN $\gamma$ -Producing Cells. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 63-75.	1.2	41
42	Thomas J. Connor (1971-2013). <i>Brain, Behavior, and Immunity</i> , 2013, 30, 1-2.	2.0	8
43	Ischemic brain injury: A consortium analysis of key factors involved in mesenchymal stem cell-mediated inflammatory reduction. <i>Archives of Biochemistry and Biophysics</i> , 2013, 534, 88-97.	1.4	60
44	Toll-like receptor 3 activation modulates hippocampal network excitability, via glial production of interferon $\gamma$ . <i>Hippocampus</i> , 2013, 23, 696-707.	0.9	65
45	IFN $\gamma$ Production by Amyloid $\beta$ -Specific Th1 Cells Promotes Microglial Activation and Increases Plaque Burden in a Mouse Model of Alzheimer's Disease. <i>Journal of Immunology</i> , 2013, 190, 2241-2251.	0.4	247
46	Identifying Early Inflammatory Changes in Monocyte-Derived Macrophages from a Population with IQ-Discrepant Episodic Memory. <i>PLoS ONE</i> , 2013, 8, e63194.	1.1	7
47	Rosiglitazone attenuates the age-related changes in astrocytosis and the deficit in LTP. <i>Neurobiology of Aging</i> , 2012, 33, 162-175.	1.5	51
48	The age-related deficit in LTP is associated with changes in perfusion and blood-brain barrier permeability. <i>Neurobiology of Aging</i> , 2012, 33, 1005.e23-1005.e35.	1.5	68
49	Immunology meets neuroscience - Opportunities for immune intervention in neurodegenerative diseases. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 1-10.	2.0	31
50	CD200 fusion protein decreases microglial activation in the hippocampus of aged rats. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 789-796.	2.0	97
51	The impact of aging on the brain - Risk, resilience and repair. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 714-716.	2.0	6
52	Age-related changes in the hippocampus (loss of synaptophysin and glial-synaptic interaction) are modified by systemic treatment with an NCAM-derived peptide, FGL. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 778-788.	2.0	46
53	Dok2 mediates the CD200Fc attenuation of A $\beta$ -induced changes in glia. <i>Journal of Neuroinflammation</i> , 2012, 9, 107.	3.1	44
54	LPS-induced release of IL-6 from glia modulates production of IL-1 $\beta$ in a JAK2-dependent manner. <i>Journal of Neuroinflammation</i> , 2012, 9, 126.	3.1	68

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55	The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation. <i>Journal of Neuroinflammation</i> , 2012, 9, 79.	3.1	64
56	Activation of the P2X <sub>7</sub> receptor induces migration of glial cells by inducing cathepsin B degradation of tissue inhibitor of metalloproteinase 1. <i>Journal of Neurochemistry</i> , 2012, 123, 761-770.	2.1	35
57	Modest Amyloid Deposition is Associated with Iron Dysregulation, Microglial Activation, and Oxidative Stress. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 147-161.	1.2	59
58	The Neuroprotective Effect of a Specific P2X <sub>7</sub> Receptor Antagonist Derives from its Ability to Inhibit Assembly of the NLRP3 Inflammasome in Glial Cells. <i>Brain Pathology</i> , 2012, 22, 295-306.	2.1	46
59	Rosiglitazone Improves Spatial Memory and Decreases Insoluble A $\beta$ <sup>1-42</sup> in APP/PS1 Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 140-144.	2.1	46
60	The age- and amyloid- $\beta$ -related increases in Nogo B contribute to microglial activation. <i>Neurochemistry International</i> , 2011, 58, 161-168.	1.9	7
61	The polyunsaturated fatty acids, EPA and DPA exert a protective effect in the hippocampus of the aged rat. <i>Neurobiology of Aging</i> , 2011, 32, 2318.e1-2318.e15.	1.5	107
62	Adenosine A <sub>2A</sub> receptors control neuroinflammation and consequent hippocampal neuronal dysfunction. <i>Journal of Neurochemistry</i> , 2011, 117, 100-111.	2.1	182
63	A neural cell adhesion molecule-derived peptide, FGL, attenuates glial cell activation in the aged hippocampus. <i>Experimental Neurology</i> , 2011, 232, 318-328.	2.0	26
64	Atorvastatin prevents age-related and amyloid- $\beta$ -induced microglial activation by blocking interferon- $\gamma$ release from natural killer cells in the brain. <i>Journal of Neuroinflammation</i> , 2011, 8, 27.	3.1	27
65	Interleukin-1 $\beta$ and HMGB1 Mediate Hippocampal Dysfunction in SIGIRR-Deficient Mice. <i>Journal of Neuroscience</i> , 2011, 31, 3871-3879.	1.7	59
66	Long Term Potentiation Is Impaired in Membrane Glycoprotein CD200-deficient Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 34722-34732.	1.6	134
67	Age-related neuroinflammatory changes negatively impact on neuronal function. <i>Frontiers in Aging Neuroscience</i> , 2010, 1, 6.	1.7	143
68	Activation of mixed glia by A $\beta$ -specific Th1 and Th17 cells and its regulation by Th2 cells. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 598-607.	2.0	70
69	Infiltration of Th1 and Th17 cells and activation of microglia in the CNS during the course of experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 641-651.	2.0	378
70	SIGIRR modulates the inflammatory response in the brain. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 985-995.	2.0	27
71	A novel anti-inflammatory role of NCAM-derived mimetic peptide, FGL. <i>Neurobiology of Aging</i> , 2010, 31, 118-128.	1.5	70
72	The impact of glial activation in the aging brain. , 2010, 1, 262-78.		54

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73	The deficit in long-term potentiation induced by chronic administration of amyloid- $\beta^2$ is attenuated by treatment of rats with a novel phospholipid-based drug formulation, VP025. <i>Experimental Gerontology</i> , 2009, 44, 300-304.	1.2	10
74	The effects of IL-1 receptor antagonist on beta amyloid mediated depression of LTP in the rat CA1 in vivo. <i>Hippocampus</i> , 2009, 19, 670-676.	0.9	56
75	The Multifaceted Profile of Activated Microglia. <i>Molecular Neurobiology</i> , 2009, 40, 139-156.	1.9	279
76	A synthetic NCAM-derived mimetic peptide, FGL, exerts anti-inflammatory properties via IGF-1 and interferon- $\beta$ modulation. <i>Journal of Neurochemistry</i> , 2009, 109, 1516-1525.	2.1	35
77	Fractalkine-induced activation of the phosphatidylinositol-3 kinase pathway attenuates microglial activation <i>in vivo</i> and <i>in vitro</i> . <i>Journal of Neurochemistry</i> , 2009, 110, 1547-1556.	2.1	172
78	Decreased neuronal CD200 expression in IL-4-deficient mice results in increased neuroinflammation in response to lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 1020-1027.	2.0	88
79	Interleukin-4 mediates the neuroprotective effects of rosiglitazone in the aged brain. <i>Neurobiology of Aging</i> , 2009, 30, 920-931.	1.5	90
80	A Novel Phospholipid-Based Drug Formulation, VP025, Modulates Age- and LPS-Induced Microglial Activity in the Rat. <i>NeuroImmunoModulation</i> , 2009, 16, 400-410.	0.9	7
81	Neuroinflammatory changes increase the impact of stressors on neuronal function. <i>Biochemical Society Transactions</i> , 2009, 37, 303-307.	1.6	20
82	Linear Assemblies of Magnetic Nanoparticles as MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 4214-4215.	6.6	142
83	IL-1F5 mediates anti-inflammatory activity in the brain through induction of IL-4 following interaction with SIGIRR/TIR8. <i>Journal of Neurochemistry</i> , 2008, 105, 1960-1969.	2.1	73
84	The risky business of ageing. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 299-300.	2.0	1
85	A Pivotal Role for Interleukin-4 in Atorvastatin-associated Neuroprotection in Rat Brain. <i>Journal of Biological Chemistry</i> , 2008, 283, 1808-1817.	1.6	78
86	CD200 Ligand-Receptor Interaction Modulates Microglial Activation <i>In Vivo</i> and <i>In Vitro</i> : A Role for IL-4. <i>Journal of Neuroscience</i> , 2007, 27, 8309-8313.	1.7	235
87	Eicosapentaenoic acid confers neuroprotection in the amyloid- $\beta^2$ challenged aged hippocampus. <i>Neurobiology of Aging</i> , 2007, 28, 845-855.	1.5	135
88	The HMG-CoA reductase inhibitor, atorvastatin, attenuates the effects of acute administration of amyloid- $\beta^2$ in the rat hippocampus in vivo. <i>Neuropharmacology</i> , 2007, 52, 136-145.	2.0	60
89	Treatment with dexamethasone and vitamin D <sub>3</sub> attenuates neuroinflammatory age-related changes in rat hippocampus. <i>Synapse</i> , 2007, 61, 851-861.	0.6	29
90	IL-4 attenuates the neuroinflammation induced by amyloid- $\beta^2$ <i>in vivo</i> and <i>in vitro</i> . <i>Journal of Neurochemistry</i> , 2007, 101, 771-781.	2.1	115

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91	Modulation of amyloid- $\beta$ -induced and age-associated changes in rat hippocampus by eicosapentaenoic acid. <i>Journal of Neurochemistry</i> , 2007, 103, 914-926.	2.1	90
92	The Impact of an Imbalance Between Proinflammatory and Anti-inflammatory Influences on Synaptic function in the Aged Brain. , 2007, , 121-136.		0
93	Interaction between interferon $\gamma$ and insulin-like growth factor-1 in hippocampus impacts on the ability of rats to sustain long-term potentiation. <i>Journal of Neurochemistry</i> , 2006, 96, 1560-1571.	2.1	75
94	The age-related attenuation in long-term potentiation is associated with microglial activation. <i>Journal of Neurochemistry</i> , 2006, 99, 1263-1272.	2.1	253
95	Activation of c-Jun-N-terminal kinase is critical in mediating lipopolysaccharide-induced changes in the rat hippocampus. <i>Journal of Neurochemistry</i> , 2005, 93, 221-231.	2.1	46
96	Proinflammatory Responses in the Murine Brain after Intranasal Delivery of Cholera Toxin: Implications for the Use of AB Toxins as Adjuvants in Intranasal Vaccines. <i>Journal of Infectious Diseases</i> , 2005, 192, 1628-1633.	1.9	45
97	Role of Interleukin-4 in Regulation of Age-related Inflammatory Changes in the Hippocampus. <i>Journal of Biological Chemistry</i> , 2005, 280, 9354-9362.	1.6	187
98	Evidence of an Anti-Inflammatory Role for Vasogen $\alpha$ 's Immune Modulation Therapy. <i>NeuroImmunoModulation</i> , 2005, 12, 113-116.	0.9	5
99	Downregulation of IL-4-induced signalling in hippocampus contributes to deficits in LTP in the aged rat. <i>Neurobiology of Aging</i> , 2005, 26, 717-728.	1.5	135
100	Neuroprotective actions of eicosapentaenoic acid on lipopolysaccharide-induced dysfunction in rat hippocampus. <i>Journal of Neurochemistry</i> , 2004, 91, 20-29.	2.1	75
101	Lipopolysaccharide-induced increase in signalling in hippocampus is abrogated by IL-10 - a role for IL-1 $\beta$ ?. <i>Journal of Neurochemistry</i> , 2004, 88, 635-646.	2.1	124
102	Analysis of the presynaptic signalling mechanisms underlying the inhibition of LTP in rat dentate gyrus by the tyrosine kinase inhibitor, genistein. <i>Hippocampus</i> , 2004, 14, 4-4.	0.9	6
103	Long-Term Potentiation and Memory. <i>Physiological Reviews</i> , 2004, 84, 87-136.	13.1	1,646
104	Eicosapentaenoic acid and gamma-linolenic acid increase hippocampal concentrations of IL-4 and IL-10 and abrogate lipopolysaccharide-induced inhibition of long-term potentiation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2004, 70, 391-397.	1.0	39
105	BDNF-induced LTP in dentate gyrus is impaired with age: analysis of changes in cell signaling events. <i>Neurobiology of Aging</i> , 2004, 25, 1323-1331.	1.5	116
106	Increased IL-1 $\beta$ in cortex of aged rats is accompanied by downregulation of ERK and PI-3 kinase. <i>Neurobiology of Aging</i> , 2004, 25, 795-806.	1.5	67
107	IL-1 $\beta$ -dependent neurological effects of the whole cell pertussis vaccine: a role for IL-1-associated signalling components in vaccine reactivity. <i>Journal of Neuroimmunology</i> , 2003, 136, 25-33.	1.1	17
108	Interleukin-1 receptor antagonist exerts agonist activity in the hippocampus independent of the interleukin-1 type I receptor. <i>Journal of Neuroimmunology</i> , 2003, 137, 117-124.	1.1	46



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109	Evidence that lipopolysaccharide-induced cell death is mediated by accumulation of reactive oxygen species and activation of p38 in rat cortex and hippocampus. <i>Experimental Neurology</i> , 2003, 184, 794-804.	2.0	84
110	Activation of p38 Plays a Pivotal Role in the Inhibitory Effect of Lipopolysaccharide and Interleukin-1 $\beta$ on Long Term Potentiation in Rat Dentate Gyrus. <i>Journal of Biological Chemistry</i> , 2003, 278, 19453-19462.	1.6	150
111	Activation of the c-Jun N-terminal Kinase Signaling Cascade Mediates the Effect of Amyloid- $\beta$ on Long Term Potentiation and Cell Death in Hippocampus. <i>Journal of Biological Chemistry</i> , 2003, 278, 27971-27980.	1.6	107
112	Analysis of Interleukin-1 $\beta$ -induced Cell Signaling Activation in Rat Hippocampus following Exposure to Gamma Irradiation. <i>Journal of Biological Chemistry</i> , 2003, 278, 51075-51084.	1.6	36
113	Interleukin-1 $\beta$ exerts a myriad of effects in the brain and in particular in the hippocampus: Analysis of some of these actions. <i>Vitamins and Hormones</i> , 2002, 64, 185-219.	0.7	60
114	Neuroprotective Effect of Eicosapentaenoic Acid in Hippocampus of Rats Exposed to $\beta$ -Irradiation. <i>Journal of Biological Chemistry</i> , 2002, 277, 20804-20811.	1.6	107
115	Apoptotic Changes in the Aged Brain Are Triggered by Interleukin-1 $\beta$ -induced Activation of p38 and Reversed by Treatment with Eicosapentaenoic Acid. <i>Journal of Biological Chemistry</i> , 2002, 277, 34239-34246.	1.6	128
116	Attenuation of LPS-Induced Changes in Synaptic Activity in Rat Hippocampus by Vasogen $\alpha$ 's Immune Modulation Therapy. <i>NeuroImmunoModulation</i> , 2002, 10, 40-46.	0.9	25
117	Long-term potentiation and spatial learning are associated with increased phosphorylation of TrkB and extracellular signal-regulated kinase (ERK) in the dentate gyrus: Evidence for a role for brain-derived neurotrophic factor.. <i>Behavioral Neuroscience</i> , 2002, 116, 455-463.	0.6	81
118	The age-related increase in IL-1 type I receptor in rat hippocampus is coupled with an increase in caspase-3 activation. <i>European Journal of Neuroscience</i> , 2002, 15, 1779-1788.	1.2	98
119	Dietary Antioxidants and Synaptic Plasticity: Cellular and Molecular Mechanisms. , 2002, , 47-61.		2
120	Lipoic Acid Confers Protection Against Oxidative Injury in Non-neuronal and Neuronal Tissue. <i>Nutritional Neuroscience</i> , 2001, 4, 419-438.	1.5	34
121	Evidence that interleukin-1 $\beta$ and reactive oxygen species production play a pivotal role in stress-induced impairment of LTP in the rat dentate gyrus. <i>European Journal of Neuroscience</i> , 2001, 14, 1809-1819.	1.2	52
122	The Anti-inflammatory Cytokine, Interleukin (IL)-10, Blocks the Inhibitory Effect of IL-1 $\beta$ on Long Term Potentiation. <i>Journal of Biological Chemistry</i> , 2001, 276, 45564-45572.	1.6	122
123	Whole-Cell but Not Acellular Pertussis Vaccines Induce Convulsive Activity in Mice: Evidence of a Role for Toxin-Induced Interleukin-1 $\beta$ in a New Murine Model for Analysis of Neuronal Side Effects of Vaccination. <i>Infection and Immunity</i> , 2001, 69, 4217-4223.	1.0	53
124	Interleukin-1 $\beta$ -dependent changes in the hippocampus following parenteral immunization with a whole cell pertussis vaccine. <i>Journal of Neuroimmunology</i> , 2000, 111, 68-76.	1.1	20
125	Induction of inflammatory cytokines in the brain following respiratory infection with <i>Bordetella pertussis</i> . <i>Journal of Neuroimmunology</i> , 2000, 102, 172-181.	1.1	25
126	Lipopolysaccharide Inhibits Long Term Potentiation in the Rat Dentate Gyrus by Activating Caspase-1. <i>Journal of Biological Chemistry</i> , 2000, 275, 26252-26258.	1.6	154



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127	Long-term potentiation in dentate gyrus of the rat is inhibited by the phosphoinositide 3-kinase inhibitor, wortmannin. <i>Neuropharmacology</i> , 2000, 39, 643-651.	2.0	138
128	Activation of tyrosine receptor kinase plays a role in expression of long-term potentiation in the rat dentate gyrus. , 1999, 9, 519-526.		26
129	Age-related changes in oxidative mechanisms and LTP are reversed by dietary manipulation. <i>Neurobiology of Aging</i> , 1999, 20, 643-653.	1.5	64
130	Age-related changes in LTP and antioxidant defenses are reversed by an $\alpha$ -lipoic acid-enriched diet. <i>Neurobiology of Aging</i> , 1999, 20, 655-664.	1.5	78
131	Glycerol-induced seizure. <i>NeuroReport</i> , 1999, 10, 1821-1825.	0.6	24
132	Age-related impairment in long-term potentiation in hippocampus: a role for the cytokine, interleukin-1 $\beta$ ?. <i>Progress in Neurobiology</i> , 1998, 56, 571-589.	2.8	162
133	Dietary antioxidant supplementation reverses age-related neuronal changes. <i>Neurobiology of Aging</i> , 1998, 19, 461-467.	1.5	80
134	Dietary Supplementation with Vitamin E Reverses the Age-related Deficit in Long Term Potentiation in Dentate Gyrus. <i>Journal of Biological Chemistry</i> , 1998, 273, 12161-12168.	1.6	139
135	Analysis of the Mechanisms Underlying the Age-related Impairment in Long-Term Potentiation in the Rat. <i>Reviews in the Neurosciences</i> , 1998, 9, 169-201.	1.4	55
136	Biphasic modulation of intracellular Ca <sup>2+</sup> concentration by interleukin-1 $\beta$ in cortical synaptosomes. <i>NeuroReport</i> , 1998, 9, 1923-1927.	0.6	21
137	LTP occludes the interaction between arachidonic acid and ACPD and NGF and ACPD. <i>NeuroReport</i> , 1998, 9, 4087-4091.	0.6	13
138	Evidence for a role for synaptophysin in expression of long-term potentiation in rat dentate gyrus. <i>NeuroReport</i> , 1998, 9, 2489-2494.	0.6	45
139	Evidence That Increased Hippocampal Expression of the Cytokine Interleukin-1 $\beta$ Is a Common Trigger for Age- and Stress-Induced Impairments in Long-Term Potentiation. <i>Journal of Neuroscience</i> , 1998, 18, 2974-2981.	1.7	352
140	Ageing is associated with changes in glutamate release, protein tyrosine kinase and protein kinase II in rat hippocampus. <i>European Journal of Pharmacology</i> , 1996, 309, 311-315.	1.7	33
141	Possible association of alcohol tolerance with increased synaptic Ca <sup>2+</sup> sensitivity. <i>Nature</i> , 1983, 303, 175-176.	13.7	97
142	Sex-Related Microglial Perturbation Is Related to Mitochondrial Changes in a Model of Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7