Marina A Lynch

List of Publications by Year
in descending order

142 papers	12,252 citations	18482 62 h-index	27406 106 g-index
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. Cells, 2022, 11, 729.	4.1	10
2	Exploring Sex-Related Differences in Microglia May Be a Game-Changer in Precision Medicine. Frontiers in Aging Neuroscience, 2022, 14, 868448.	3.4	47
3	Microglial metabolism is a pivotal factor in sexual dimorphism in Alzheimerâ€™s disease. Communications Biology, 2021, 4, 711.	4.4	61
4	Can the emerging field of immunometabolism provide insights into neuroinflammation?. Progress in Neurobiology, 2020, 184, 101719.	5.7	53
5	The role of the immune system in driving neuroinflammation. Brain and Neuroscience Advances, 2020, 4, 239821281990108.	3.4	42
6	Exercise-induced re-programming of age-related metabolic changes in microglia is accompanied by a reduction in senescent cells. Brain, Behavior, and Immunity, 2020, 87, 413-428.	4.1	50
7	Iron accumulation in microglia triggers a cascade of events that leads to altered metabolism and compromised function in APP/PS1 mice. Brain Pathology, 2019, 29, 606-621.	4.1	103
8	The NLRP3 inflammasome modulates glycolysis by increasing PFKFB3 in an IL-1Î²-dependent manner in macrophages. Scientific Reports, 2019, 9, 4034.	3.3	88
9	Monocytes exposed to plasma from patients with Alzheimerâ€™s disease undergo metabolic reprogramming. Neuroscience Research, 2019, 148, 54-60.	1.9	4
10	A shift to glycolysis accompanies the inflammatory changes in PBMCs from individuals with an IQ-discrepant memory. Journal of Neuroimmunology, 2018, 317, 24-31.	2.3	4
11	Inflammatory microglia are glycolytic and iron retentive and typify the microglia in APP/PS1 mice. Brain, Behavior, and Immunity, 2018, 68, 183-196.	4.1	137
12	Anti-TLR2 antibody triggers oxidative phosphorylation in microglia and increases phagocytosis of Î²-amyloid. Journal of Neuroinflammation, 2018, 15, 247.	7.2	68
13	FTY720 Attenuates Infection-Induced Enhancement of AÎ² Accumulation in APP/PS1 Mice by Modulating Astrocytic Activation. Journal of NeuroImmune Pharmacology, 2017, 12, 670-681.	4.1	25
14	Lung CD4 Tissue-Resident Memory T Cells Mediate Adaptive Immunity Induced by Previous Infection of Mice with <i>Bordetella pertussis</i>. Journal of Immunology, 2017, 199, 233-243.	0.8	124
15	Inhibiting the NLRP3 inflammasome with MCC950 promotes non-phlogistic clearance of amyloid-Î² and cognitive function in APP/PS1 mice. Brain, Behavior, and Immunity, 2017, 61, 306-316.	4.1	371
16	Analysis of the Impact of CD200 on Phagocytosis. Molecular Neurobiology, 2017, 54, 5730-5739.	4.0	35
17	The age-related neuroinflammatory environment promotes macrophage activation, which negatively impacts synaptic function. Neurobiology of Aging, 2016, 43, 140-148.	3.1	25
18	Targeting innate immunity for neurodegenerative disorders of the central nervous system. Journal of Neurochemistry, 2016, 138, 653-693.	3.9	106

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19	Inhibiting TLR2 activation attenuates amyloid accumulation and glial activation in a mouse model of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2016, 58, 191-200.	4.1	81
20	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. Mechanisms of Ageing and Development, 2016, 160, 54-68.	4.6	14
21	Linking T cells to Alzheimer's disease: from neurodegeneration to neurorepair. Current Opinion in Pharmacology, 2016, 26, 67-73.	3.5	30
22	Bone Marrow-Derived Macrophages from AÎ²PP/PS1 Mice are Sensitized to the Effects of Inflammatory Stimuli. Journal of Alzheimer's Disease, 2015, 44, 949-962.	2.6	21
23	T Cellsâ€"Protective or Pathogenic in Alzheimerâ€™s Disease?. Journal of NeuroImmune Pharmacology, 2015, 10, 547-560.	4.1	42
24	Involvement of IGF-1 and Akt in M1/M2 activation state in bone marrow-derived macrophages. Experimental Cell Research, 2015, 335, 258-268.	2.6	50
25	Neuroinflammatory changes negatively impact on LTP: A focus on IL-1Î². Brain Research, 2015, 1621, 197-204.	2.2	76
26	Inhibition of JAK2 attenuates the increase in inflammatory markers in microglia from APP/PS1 mice. Neurobiology of Aging, 2015, 36, 2716-2724.	3.1	20
27	Î±-TLR2 antibody attenuates the AÎ²-mediated inflammatory response in microglia through enhanced expression of SIGIRR. Brain, Behavior, and Immunity, 2015, 46, 70-79.	4.1	33
28	Bone marrow-derived macrophages from aged rats are more responsive to inflammatory stimuli. Journal of Neuroinflammation, 2015, 12, 67.	7.2	56
29	How dependent is synaptic plasticity on microglial phenotype?. Neuropharmacology, 2015, 96, 3-10.	4.1	20
30	Modulation of Intestinal Microbiota by the Probiotic VSL#3 Resets Brain Gene Expression and Ameliorates the Age-Related Deficit in LTP. PLoS ONE, 2014, 9, e106503.	2.5	175
31	Respiratory infection promotes T cell infiltration and amyloid-Î² deposition in APP/PS1 mice. Neurobiology of Aging, 2014, 35, 109-121.	3.1	111
32	Age-associated dysregulation of microglial activation is coupled with enhanced blood-brain barrier permeability and pathology in APP/PS1 mice. Neurobiology of Aging, 2014, 35, 1442-1452.	3.1	113
33	Glial Uptake of Amyloid Beta Induces NLRP3 Inflammasome Formation via Cathepsin-Dependent Degradation of NLRP10. NeuroMolecular Medicine, 2014, 16, 205-215.	3.4	39
34	Innate IFNâ€Î³ promotes development of experimental autoimmune encephalomyelitis: A role for NK cells and M1 macrophages. European Journal of Immunology, 2014, 44, 2903-2917.	2.9	68
35	The impact of neuroimmune changes on development of amyloid pathology; relevance to <scp>A</scp>lzheimer's disease. Immunology, 2014, 141, 292-301.	4.4	56
36	The Age-related Gliosis and Accompanying Deficit in Spatial Learning are Unaffected by Dimebon. Neurochemical Research, 2013, 38, 1190-1195.	3.3	6

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37	An NCAM Mimetic, FGL, Alters Hippocampal Cellular Morphometry in Young Adult (4 Month-Old) Rats. Neurochemical Research, 2013, 38, 1208-1218.	3.3	7
38	Amyloid-Î²-Induced Astrocytic Phagocytosis is Mediated by CD36, CD47 and RAGE. Journal of NeuroImmune Pharmacology, 2013, 8, 301-311.	4.1	120
39	Differential role of Dok1 and Dok2 in TLR2-induced inflammatory signaling in glia. Molecular and Cellular Neurosciences, 2013, 56, 148-158.	2.2	30
40	Classical activation of microglia in CD200-deficient mice is a consequence of blood brain barrier permeability and infiltration of peripheral cells. Brain, Behavior, and Immunity, 2013, 34, 86-97.	4.1	89
41	Glial Activation in AÎ²PP/PS1 Mice is Associated with Infiltration of IFNÎ³-Producing Cells. Journal of Alzheimer's Disease, 2013, 37, 63-75.	2.6	41
42	Thomas J. Connor (1971â€"2013). Brain, Behavior, and Immunity, 2013, 30, 1-2.	4.1	8
43	Ischemic brain injury: A consortium analysis of key factors involved in mesenchymal stem cell-mediated inflammatory reduction. Archives of Biochemistry and Biophysics, 2013, 534, 88-97.	3.0	60
44	Tollâ€like receptor 3 activation modulates hippocampal network excitability, via glial production of interferonâ€Î². Hippocampus, 2013, 23, 696-707.	1.9	65
45	IFN-Î³ Production by Amyloid Î²â€"Specific Th1 Cells Promotes Microglial Activation and Increases Plaque Burden in a Mouse Model of Alzheimerâ€™s Disease. Journal of Immunology, 2013, 190, 2241-2251.	0.8	247
46	Identifying Early Inflammatory Changes in Monocyte-Derived Macrophages from a Population with IQ-Discrepant Episodic Memory. PLoS ONE, 2013, 8, e63194.	2.5	7
47	Rosiglitazone attenuates the age-related changes in astrocytosis and the deficit in LTP. Neurobiology of Aging, 2012, 33, 162-175.	3.1	51
48	The age-related deficit in LTP is associated with changes in perfusion and blood-brain barrier permeability. Neurobiology of Aging, 2012, 33, 1005.e23-1005.e35.	3.1	68
49	Immunology meets neuroscience â€" Opportunities for immune intervention in neurodegenerative diseases. Brain, Behavior, and Immunity, 2012, 26, 1-10.	4.1	31
50	CD200 fusion protein decreases microglial activation in the hippocampus of aged rats. Brain, Behavior, and Immunity, 2012, 26, 789-796.	4.1	97
51	The impact of aging on the brain â€" Risk, resilience and repair. Brain, Behavior, and Immunity, 2012, 26, 714-716.	4.1	6
52	Age-related changes in the hippocampus (loss of synaptophysin and glialâ€"synaptic interaction) are modified by systemic treatment with an NCAM-derived peptide, FGL. Brain, Behavior, and Immunity, 2012, 26, 778-788.	4.1	46
53	Dok2 mediates the CD200Fc attenuation of AÎ²-induced changes in glia. Journal of Neuroinflammation, 2012, 9, 107.	7.2	44
54	LPS-induced release of IL-6 from glia modulates production of IL-1Î² in a JAK2-dependent manner. Journal of Neuroinflammation, 2012, 9, 126.	7.2	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. Journal of Neuroinflammation, 2012, 9, 79.	7.2	64
56	Activation of the <scp>P</scp>2<scp>X</scp>₇ receptor induces migration of glial cells by inducing cathepsin <scp>B</scp> degradation of tissue inhibitor of metalloproteinase 1. Journal of Neurochemistry, 2012, 123, 761-770.	3.9	35
57	Modest Amyloid Deposition is Associated with Iron Dysregulation, Microglial Activation, and Oxidative Stress. Journal of Alzheimer's Disease, 2012, 28, 147-161.	2.6	59
58	The Neuroprotective Effect of a Specific P2X₇ Receptor Antagonist Derives from its Ability to Inhibit Assembly of the NLRP3 Inflammasome in Glial Cells. Brain Pathology, 2012, 22, 295-306.	4.1	46
59	Rosiglitazone Improves Spatial Memory and Decreases Insoluble AÎ²1â€“42 in APP/PS1 Mice. Journal of NeuroImmune Pharmacology, 2012, 7, 140-144.	4.1	46
60	The age- and amyloid-Î²-related increases in Nogo B contribute to microglial activation. Neurochemistry International, 2011, 58, 161-168.	3.8	7
61	The polyunsaturated fatty acids, EPA and DPA exert a protective effect in the hippocampus of the aged rat. Neurobiology of Aging, 2011, 32, 2318.e1-2318.e15.	3.1	107
62	Adenosine A_{2A} receptors control neuroinflammation and consequent hippocampal neuronal dysfunction. Journal of Neurochemistry, 2011, 117, 100-111.	3.9	182
63	A neural cell adhesion molecule-derived peptide, FGL, attenuates glial cell activation in the aged hippocampus. Experimental Neurology, 2011, 232, 318-328.	4.1	26
64	Atorvastatin prevents age-related and amyloid-Î²-induced microglial activation by blocking interferon-Î³ release from natural killer cells in the brain. Journal of Neuroinflammation, 2011, 8, 27.	7.2	27
65	Interleukin-1Î± and HMGB1 Mediate Hippocampal Dysfunction in SIGIRR-Deficient Mice. Journal of Neuroscience, 2011, 31, 3871-3879.	3.6	59
66	Long Term Potentiation Is Impaired in Membrane Glycoprotein CD200-deficient Mice. Journal of Biological Chemistry, 2011, 286, 34722-34732.	3.4	134
67	Age-related neuroinflammatory changes negatively impact on neuronal function. Frontiers in Aging Neuroscience, 2010, 1, 6.	3.4	143
68	Activation of mixed glia by AÎ²-specific Th1 and Th17 cells and its regulation by Th2 cells. Brain, Behavior, and Immunity, 2010, 24, 598-607.	4.1	70
69	Infiltration of Th1 and Th17 cells and activation of microglia in the CNS during the course of experimental autoimmune encephalomyelitis. Brain, Behavior, and Immunity, 2010, 24, 641-651.	4.1	378
70	SIGIRR modulates the inflammatory response in the brain. Brain, Behavior, and Immunity, 2010, 24, 985-995.	4.1	27
71	A novel anti-inflammatory role of NCAM-derived mimetic peptide, FGL. Neurobiology of Aging, 2010, 31, 118-128.	3.1	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-Î² is attenuated by treatment of rats with a novel phospholipid-based drug formulation, VP025. Experimental Gerontology, 2009, 44, 300-304.	2.8	10
74	The effects of ILâ€1 receptor antagonist on beta amyloid mediated depression of LTP in the rat CA1 in vivo. Hippocampus, 2009, 19, 670-676.	1.9	56
75	The Multifaceted Profile of Activated Microglia. Molecular Neurobiology, 2009, 40, 139-156.	4.0	279
76	A synthetic NCAMâ€derived mimetic peptide, FGL, exerts antiâ€inflammatory properties via IGFâ€1 and interferonâ€Î³ modulation. Journal of Neurochemistry, 2009, 109, 1516-1525.	3.9	35
77	Fractalkineâ€induced activation of the phosphatidylinositolâ€3 kinase pathway attentuates microglial activation <i>in vivo</i> and <i>in vitro</i>. Journal of Neurochemistry, 2009, 110, 1547-1556.	3.9	172
78	Decreased neuronal CD200 expression in IL-4-deficient mice results in increased neuroinflammation in response to lipopolysaccharide. Brain, Behavior, and Immunity, 2009, 23, 1020-1027.	4.1	88
79	Interleukin-4 mediates the neuroprotective effects of rosiglitazone in the aged brain. Neurobiology of Aging, 2009, 30, 920-931.	3.1	90
80	A Novel Phospholipid-Based Drug Formulation, VP025, Modulates Age- and LPS-Induced Microglial Activity in the Rat. NeuroImmunoModulation, 2009, 16, 400-410.	1.8	7
81	Neuroinflammatory changes increase the impact of stressors on neuronal function. Biochemical Society Transactions, 2009, 37, 303-307.	3.4	20
82	Linear Assemblies of Magnetic Nanoparticles as MRI Contrast Agents. Journal of the American Chemical Society, 2008, 130, 4214-4215.	13.7	142
83	ILâ€1F5 mediates antiâ€inflammatory activity in the brain through induction of ILâ€4 following interaction with SIGIRR/TIR8. Journal of Neurochemistry, 2008, 105, 1960-1969.	3.9	73
84	The risky business of ageing. Brain, Behavior, and Immunity, 2008, 22, 299-300.	4.1	1
85	A Pivotal Role for Interleukin-4 in Atorvastatin-associated Neuroprotection in Rat Brain. Journal of Biological Chemistry, 2008, 283, 1808-1817.	3.4	78
86	CD200 Ligandâ€“Receptor Interaction Modulates Microglial Activation<i>In Vivo</i>and<i>In Vitro</i>: A Role for IL-4. Journal of Neuroscience, 2007, 27, 8309-8313.	3.6	235
87	Eicosapentaenoic acid confers neuroprotection in the amyloid-Î² challenged aged hippocampus. Neurobiology of Aging, 2007, 28, 845-855.	3.1	135
88	The HMG-CoA reductase inhibitor, atorvastatin, attenuates the effects of acute administration of amyloid-Î²1â€“42 in the rat hippocampus in vivo. Neuropharmacology, 2007, 52, 136-145.	4.1	60
89	Treatment with dexamethasone and vitamin D₃ attenuates neuroinflammatory ageâ€related changes in rat hippocampus. Synapse, 2007, 61, 851-861.	1.2	29
90	IL-4 attenuates the neuroinflammation induced by amyloid-Î²Âin vivoÂandÂin vitro. Journal of Neurochemistry, 2007, 101, 771-781.	3.9	115

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91	Modulation of amyloid-Î²-induced and age-associated changes in rat hippocampus by eicosapentaenoic acid. Journal of Neurochemistry, 2007, 103, 914-926.	3.9	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 ? and insulin-like growth factor-1 in hippocampus impacts on the ability of rats to sustain long-term potentiation. Journal of Neurochemistry, 2006, 96, 1560-1571.	3.9	75
94	The ageâ€related attenuation in longâ€term potentiation is associated with microglial activation. Journal of Neurochemistry, 2006, 99, 1263-1272.	3.9	253
95	Activation of c-Jun-N-terminal kinase is critical in mediating lipopolysaccharide-induced changes in the rat hippocampus. Journal of Neurochemistry, 2005, 93, 221-231.	3.9	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. Journal of Infectious Diseases, 2005, 192, 1628-1633.	4.0	45
97	Role of Interleukin-4 in Regulation of Age-related Inflammatory Changes in the Hippocampus. Journal of Biological Chemistry, 2005, 280, 9354-9362.	3.4	187
98	Evidence of an Anti-Inflammatory Role for Vasogenâ€™s Immune Modulation Therapy. NeuroImmunoModulation, 2005, 12, 113-116.	1.8	5
99	Downregulation of IL-4-induced signalling in hippocampus contributes to deficits in LTP in the aged rat. Neurobiology of Aging, 2005, 26, 717-728.	3.1	135
100	Neuroprotective actions of eicosapentaenoic acid on lipopolysaccharideâ€induced dysfunction in rat hippocampus. Journal of Neurochemistry, 2004, 91, 20-29.	3.9	75
101	Lipopolysaccharideâ€induced increase in signalling in hippocampus is abrogated by ILâ€10 â€" a role for ILâ€1Î²?. Journal of Neurochemistry, 2004, 88, 635-646.	3.9	124
102	Analysis of the presynaptic signalling mechanisms underlying the inhibition of LTP in rat dentate gyrus by the tyrosine kinase inhibitor, genistein. Hippocampus, 2004, 14, 4-4.	1.9	6
103	Long-Term Potentiation and Memory. Physiological Reviews, 2004, 84, 87-136.	28.8	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. Prostaglandins Leukotrienes and Essential Fatty Acids, 2004, 70, 391-397.	2.2	39
105	BDNF-induced LTP in dentate gyrus is impaired with age: analysis of changes in cell signaling events. Neurobiology of Aging, 2004, 25, 1323-1331.	3.1	116
106	Increased IL-1Î² in cortex of aged rats is accompanied by downregulation of ERK and PI-3 kinase. Neurobiology of Aging, 2004, 25, 795-806.	3.1	67
107	IL-1Î²-dependent neurological effects of the whole cell pertussis vaccine: a role for IL-1-associated signalling components in vaccine reactogenicity. Journal of Neuroimmunology, 2003, 136, 25-33.	2.3	17
108	Interleukin-1 receptor antagonist exerts agonist activity in the hippocampus independent of the interleukin-1 type I receptor. Journal of Neuroimmunology, 2003, 137, 117-124.	2.3	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. Experimental Neurology, 2003, 184, 794-804.	4.1	84
110	Activation of p38 Plays a Pivotal Role in the Inhibitory Effect of Lipopolysaccharide and Interleukin-1Î² on Long Term Potentiation in Rat Dentate Gyrus. Journal of Biological Chemistry, 2003, 278, 19453-19462.	3.4	150
111	Activation of the c-Jun N-terminal Kinase Signaling Cascade Mediates the Effect of Amyloid-Î² on Long Term Potentiation and Cell Death in Hippocampus. Journal of Biological Chemistry, 2003, 278, 27971-27980.	3.4	107
112	Analysis of Interleukin-1Î²-induced Cell Signaling Activation in Rat Hippocampus following Exposure to Gamma Irradiation. Journal of Biological Chemistry, 2003, 278, 51075-51084.	3.4	36
113	Interleukin-1Î² exerts a myriad of effects in the brain and in particular in the hippocampus: Analysis of some of these actions. Vitamins and Hormones, 2002, 64, 185-219.	1.7	60
114	Neuroprotective Effect of Eicosapentaenoic Acid in Hippocampus of Rats Exposed to Î³-Irradiation. Journal of Biological Chemistry, 2002, 277, 20804-20811.	3.4	107
115	Apoptotic Changes in the Aged Brain Are Triggered by Interleukin-1Î²-induced Activation of p38 and Reversed by Treatment with Eicosapentaenoic Acid. Journal of Biological Chemistry, 2002, 277, 34239-34246.	3.4	128
116	Attenuation of LPS-Induced Changes in Synaptic Activity in Rat Hippocampus by Vasogenâ€™s Immune Modulation Therapy. NeuroImmunoModulation, 2002, 10, 40-46.	1.8	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.. Behavioral Neuroscience, 2002, 116, 455-463.	1.2	81
118	The ageâ€related increase in ILâ€1 type I receptor in rat hippocampus is coupled with an increase in caspaseâ€3 activation. European Journal of Neuroscience, 2002, 15, 1779-1788.	2.6	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. Nutritional Neuroscience, 2001, 4, 419-438.	3.1	34
121	Evidence that interleukin-1Î² and reactive oxygen species production play a pivotal role in stress-induced impairment of LTP in the rat dentate gyrus. European Journal of Neuroscience, 2001, 14, 1809-1819.	2.6	52
122	The Anti-inflammatory Cytokine, Interleukin (IL)-10, Blocks the Inhibitory Effect of IL-1Î² on Long Term Potentiation. Journal of Biological Chemistry, 2001, 276, 45564-45572.	3.4	122
123	Whole-Cell but Not Acellular Pertussis Vaccines Induce Convulsive Activity in Mice: Evidence of a Role for Toxin-Induced Interleukin-1Î² in a New Murine Model for Analysis of Neuronal Side Effects of Vaccination. Infection and Immunity, 2001, 69, 4217-4223.	2.2	53
124	Interleukin-1Î²-dependent changes in the hippocampus following parenteral immunization with a whole cell pertussis vaccine. Journal of Neuroimmunology, 2000, 111, 68-76.	2.3	20
125	Induction of inflammatory cytokines in the brain following respiratory infection with Bordetella pertussis. Journal of Neuroimmunology, 2000, 102, 172-181.	2.3	25
126	Lipopolysaccharide Inhibits Long Term Potentiation in the Rat Dentate Gyrus by Activating Caspase-1. Journal of Biological Chemistry, 2000, 275, 26252-26258.	3.4	154

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127	Long-term potentiation in dentate gyrus of the rat is inhibited by the phosphoinositide 3â€“kinase inhibitor, wortmannin. Neuropharmacology, 2000, 39, 643-651.	4.1	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. Neurobiology of Aging, 1999, 20, 643-653.	3.1	64
130	Age-related changes in LTP and antioxidant defenses are reversed by an Î±-lipoic acid-enriched diet. Neurobiology of Aging, 1999, 20, 655-664.	3.1	78
131	Glycerol-induced seizure. NeuroReport, 1999, 10, 1821-1825.	1.2	24
132	Age-related impairment in long-term potentiation in hippocampus: a role for the cytokine, interleukin-1ÃŽÂ²?. Progress in Neurobiology, 1998, 56, 571-589.	5.7	162
133	Dietary antioxidant supplementation reverses age-related neuronal changes. Neurobiology of Aging, 1998, 19, 461-467.	3.1	80
134	Dietary Supplementation with Vitamin E Reverses the Age-related Deficit in Long Term Potentiation in Dentate Gyrus. Journal of Biological Chemistry, 1998, 273, 12161-12168.	3.4	139
135	Analysis of the Mechanisms Underlying the Age-related Impairment in Long-Term Potentiation in the Rat. Reviews in the Neurosciences, 1998, 9, 169-201.	2.9	55
136	Biphasic modulation of intracellular Ca2+ concentration by interleukin-1Î² in cortical synaptosomes. NeuroReport, 1998, 9, 1923-1927.	1.2	21
137	LTP occludes the interaction between arachidonic acid and ACPD and NGF and ACPD. NeuroReport, 1998, 9, 4087-4091.	1.2	13
138	Evidence for a role for synaptophysin in expression of long-term potentiation in rat dentate gyrus. NeuroReport, 1998, 9, 2489-2494.	1.2	45
139	Evidence That Increased Hippocampal Expression of the Cytokine Interleukin-1Î² Is a Common Trigger for Age- and Stress-Induced Impairments in Long-Term Potentiation. Journal of Neuroscience, 1998, 18, 2974-2981.	3.6	352
140	Ageing is associated with changes in glutamate release, protein tyrosine kinase and protein kinase II in rat hippocampus. European Journal of Pharmacology, 1996, 309, 311-315.	3.5	33
141	Possible association of alcohol tolerance with increased synaptic Ca2+ sensitivity. Nature, 1983, 303, 175-176.	27.8	97
142	Sex-Related Microglial Perturbation Is Related to Mitochondrial Changes in a Model of Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	7