Yvonne M Nolan

List of Publications by Year
in descending order

81 papers	4,415 citations	117625 34 h-index	106344 65 g-index
82 all docs	82 docs citations	82 times ranked	6087 citing authors

#	Article	IF	Citations
1	The ageâ€related attenuation in longâ€term potentiation is associated with microglial activation. Journal of Neurochemistry, 2006, 99, 1263-1272.	3.9	253
2	Contributions of central and systemic inflammation to the pathophysiology of Parkinson's disease. Neuropharmacology, 2012, 62, 2154-2168.	4.1	248
3	The influence of microglia on the pathogenesis of Parkinson's disease. Progress in Neurobiology, 2009, 89, 277-287.	5.7	247
4	CD200 Ligandâ€“Receptor Interaction Modulates Microglial ActivationIn VivoandIn Vitro: A Role for IL-4. Journal of Neuroscience, 2007, 27, 8309-8313.	3.6	235
5	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
6	Depression's Unholy Trinity: Dysregulated Stress, Immunity, and the Microbiome. Annual Review of Psychology, 2020, 71, 49-78.	17.7	152
7	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
8	Neuroinflammation negatively affects adult hippocampal neurogenesis and cognition: can exercise compensate?. Neuroscience and Biobehavioral Reviews, 2016, 61, 121-131.	6.1	146
9	A Phosphorescent Nanoparticleâ€Based Probe for Sensing and Imaging of (Intra)Cellular Oxygen in Multiple Detection Modalities. Advanced Functional Materials, 2012, 22, 4931-4939.	14.9	136
10	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
11	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
12	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
13	Stress and adolescent hippocampal neurogenesis: diet and exercise as cognitive modulators. Translational Psychiatry, 2017, 7, e1081-e1081.	4.8	115
14	Differential effect of chronic antidepressant treatments on lipopolysaccharide-induced depressive-like behavioural symptoms in the rat. Life Sciences, 1999, 65, 1773-1786.	4.3	112
15	A role for interleukin-1Î² in determining the lineage fate of embryonic rat hippocampal neural precursor cells. Molecular and Cellular Neurosciences, 2012, 49, 311-321.	2.2	108
16	Imaging of neurosphere oxygenation with phosphorescent probes. Biomaterials, 2013, 34, 9307-9317.	11.4	105
17	Tumour necrosis factor-Î± impairs neuronal differentiation but not proliferation of hippocampal neural precursor cells: Role of Hes1. Molecular and Cellular Neurosciences, 2010, 43, 127-135.	2.2	102
18	Parkinson's disease in the nuclear age of neuroinflammation. Trends in Molecular Medicine, 2013, 19, 187-196.	6.7	101

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19	GSK-3 mediates the release of IL-1Î², TNF-Î± and IL-10 from cortical glia. Neurochemistry International, 2012, 61, 666-671.	3.8	93
20	Born this way: Hippocampal neurogenesis across the lifespan. Aging Cell, 2019, 18, e13007.	6.7	90
21	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
22	Inflammation and the developing brain: Consequences for hippocampal neurogenesis and behavior. Neuroscience and Biobehavioral Reviews, 2014, 40, 20-34.	6.1	77
23	Exposure of foetal neural progenitor cells to ILâ€1Î² impairs their proliferation and alters their differentiation â€“ a role for maternal inflammation?. Journal of Neurochemistry, 2012, 120, 964-973.	3.9	73
24	Negative regulation of TLX by IL-1Î² correlates with an inhibition of adult hippocampal neural precursor cell proliferation. Brain, Behavior, and Immunity, 2013, 33, 7-13.	4.1	61
25	Nigral overexpression of Î±â€synuclein in a rat Parkinsonâ€™s disease model indicates alterations in the enteric nervous system and the gut microbiome. Neurogastroenterology and Motility, 2020, 32, e13726.	3.0	61
26	Evidence of a protective effect of phosphatidylserine-containing liposomes on lipopolysaccharide-induced impairment of long-term potentiation in the rat hippocampus. Journal of Neuroimmunology, 2004, 151, 12-23.	2.3	55
27	Glycogen Synthase Kinase-3 as a Therapeutic Target for Cognitive Dysfunction in Neuropsychiatric Disorders. CNS Drugs, 2015, 29, 1-15.	5.9	55
28	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
29	Neuroprotective effects of novel phosphatidylglycerolâ€based phospholipids in the 6â€hydroxydopamine model of Parkinson's disease. European Journal of Neuroscience, 2008, 27, 294-300.	2.6	50
30	Interleukin-1Î² contributes to dopaminergic neuronal death induced by lipopolysaccharide-stimulated rat glia in vitro. Journal of Neuroimmunology, 2010, 226, 20-26.	2.3	48
31	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
32	Unlocking mechanisms in interleukin-1Î²-induced changes in hippocampal neurogenesisâ€”a role for GSK-3Î² and TLX. Translational Psychiatry, 2012, 2, e194-e194.	4.8	46
33	Dietary Supplementation with a Magnesium-Rich Marine Mineral Blend Enhances the Diversity of Gastrointestinal Microbiota. Marine Drugs, 2018, 16, 216.	4.6	41
34	Inflammation, Lifestyle Factors, and the Microbiomeâ€Gutâ€Brain Axis: Relevance to Depression and Antidepressant Action. Clinical Pharmacology and Therapeutics, 2023, 113, 246-259.	4.7	40
35	Nuclear deterrents: Intrinsic regulators of IL-1Î²-induced effects on hippocampal neurogenesis. Brain, Behavior, and Immunity, 2017, 66, 394-412.	4.1	34
36	Mitogen-Activated Protein Kinase Phosphatase (MKP)-1 as a Neuroprotective Agent: Promotion of the Morphological Development of Midbrain Dopaminergic Neurons. NeuroMolecular Medicine, 2013, 15, 435-446.	3.4	33

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37	Chronic interleukin-1Î² in the dorsal hippocampus impairs behavioural pattern separation. Brain, Behavior, and Immunity, 2018, 74, 252-264.	4.1	33
38	Differential effects of adolescent and adultâ€initiated exercise on cognition and hippocampal neurogenesis. Hippocampus, 2019, 29, 352-365.	1.9	30
39	Treatment with dexamethasone and vitamin D₃ attenuates neuroinflammatory ageâ€related changes in rat hippocampus. Synapse, 2007, 61, 851-861.	1.2	29
40	Evidence that the marineâ€derived multiâ€mineral aquamin has antiâ€inflammatory effects on cortical glialâ€enriched cultures. Phytotherapy Research, 2011, 25, 765-767.	5.8	28
41	A low-cost touchscreen operant chamber using a Raspberry Piâ„¢. Behavior Research Methods, 2018, 50, 2523-2530.	4.0	28
42	Deletion of <scp>TLX</scp> and social isolation impairs exerciseâ€induced neurogenesis in the adolescent hippocampus. Hippocampus, 2018, 28, 3-11.	1.9	28
43	Mitogen-Activated Protein Kinase Phosphatase (MKP)-1 in Nervous System Development and Disease. Molecular Neurobiology, 2015, 51, 1158-1167.	4.0	27
44	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
45	IL-1Î² inhibits axonal growth of developing sympathetic neurons. Molecular and Cellular Neurosciences, 2011, 48, 142-150.	2.2	24
46	Differential effects of adolescent and adult-initiated voluntary exercise on context and cued fear conditioning. Neuropharmacology, 2019, 145, 49-58.	4.1	24
47	Lipopolysaccharide administration produces time-dependent and region-specific alterations in tryptophan and tyrosine hydroxylase activities in rat brain. Journal of Neural Transmission, 2000, 107, 1393-1401.	2.8	23
48	Treatment with the noradrenaline re-uptake inhibitor atomoxetine alone and in combination with the Î±2-adrenoceptor antagonist idazoxan attenuates loss of dopamine and associated motor deficits in the LPS inflammatory rat model of Parkinsonâ€™s disease. Brain, Behavior, and Immunity, 2018, 69, 456-469.	4.1	21
49	Adult-born neurons from the dorsal, intermediate, and ventral regions of the longitudinal axis of the hippocampus exhibit differential sensitivity to glucocorticoids. Molecular Psychiatry, 2020, 26, 3240-3252.	7.9	21
50	The nuclear receptor Tlx regulates motor, cognitive and anxiety-related behaviours during adolescence and adulthood. Behavioural Brain Research, 2016, 306, 36-47.	2.2	20
51	Adolescent social isolation stress unmasks the combined effects of adolescent exercise and adult inflammation on hippocampal neurogenesis and behavior. Neuroscience, 2017, 365, 226-236.	2.3	20
52	Chronic intrahippocampal interleukin-1Î² overexpression in adolescence impairs hippocampal neurogenesis but not neurogenesis-associated cognition. Brain, Behavior, and Immunity, 2020, 83, 172-179.	4.1	19
53	Neuroprotective effects of voluntary running on cognitive dysfunction in an Î±-synuclein rat model of Parkinson's disease. Neurobiology of Aging, 2018, 65, 60-68.	3.1	16
54	TLX is an intrinsic regulator of the negative effects of ILâ€1Î² on proliferating hippocampal neural progenitor cells. FASEB Journal, 2018, 32, 613-624.	0.5	15

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55	Absence of the neurogenesis-dependent nuclear receptor TLX induces inflammation in the hippocampus. Journal of Neuroimmunology, 2019, 331, 87-96.	2.3	15
56	The Omega-3 Polyunsaturated Fatty Acid Docosahexaenoic Acid (DHA) Reverses Corticosterone-Induced Changes in Cortical Neurons. International Journal of Neuropsychopharmacology, 2016, 19, pyv130.	2.1	14
57	The orphan nuclear receptor TLX regulates hippocampal transcriptome changes induced by IL-1Î². Brain, Behavior, and Immunity, 2018, 70, 268-279.	4.1	14
58	Regulation of behaviour by the nuclear receptor <scp>TLX</scp>. Genes, Brain and Behavior, 2018, 17, e12357.	2.2	12
59	Treatment with phosphotidylglycerol-based nanoparticles prevents motor deficits induced by proteasome inhibition: Implications for Parkinsonâ€™s disease. Behavioural Brain Research, 2008, 195, 271-274.	2.2	10
60	Inhibition of Constitutive Nitric Oxide Production Increases the Severity of Lipopolysaccharide-Induced Sickness Behaviour: A Role for TNF-Î±. NeuroImmunoModulation, 2002, 10, 367-378.	1.8	9
61	A role for the orphan nuclear receptor TLX in the interaction between neural precursor cells and microglia. Neuronal Signaling, 2019, 3, NS20180177.	3.2	8
62	A role for mitogen-activated protein kinase phosphatase 1 (MKP1) in neural cell development and survival. Neural Regeneration Research, 2015, 10, 1748.	3.0	8
63	The utility of plasma circulating cell-free messenger RNA as a biomarker of glioma: a pilot study. Acta Neurochirurgica, 2022, 164, 723-735.	1.7	8
64	Prior maternal separation stress alters the dendritic complexity of new hippocampal neurons and neuroinflammation in response to an inflammatory stressor in juvenile female rats. Brain, Behavior, and Immunity, 2022, 99, 327-338.	4.1	8
65	Exercise as therapy for Parkinson's?. Aging, 2018, 10, 1536-1537.	3.1	7
66	TLX knockdown in the dorsal dentate gyrus of juvenile rats differentially affects adolescent and adult behaviour. Behavioural Brain Research, 2019, 360, 36-50.	2.2	7
67	Universal design for learning in anatomy education of healthcare students: A scoping review. Anatomical Sciences Education, 2023, 16, 10-26.	3.7	7
68	The gut microbiome and adult hippocampal neurogenesis: A new focal point for epilepsy?. Neurobiology of Disease, 2022, 170, 105746.	4.4	7
69	Knockdown of interleukin-1 receptor 1 is not neuroprotective in the 6-hydroxydopamine striatal lesion rat model of Parkinson's disease. International Journal of Neuroscience, 2015, 125, 70-77.	1.6	6
70	Evidence of an Anti-Inflammatory Role for Vasogenâ€™s Immune Modulation Therapy. NeuroImmunoModulation, 2005, 12, 113-116.	1.8	5
71	Analysis of the Impact of CD200 on Neurodegenerative Diseases. , 2011, , .		4
72	Motivation and learning methods of anatomy: Associations with mental wellâ€being. Clinical Anatomy, 2022, 35, 26-39.	2.7	4

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73	Juvenile stress exerts sex-independent effects on anxiety, antidepressant-like behaviours and dopaminergic innervation of the prelimbic cortex in adulthood and does not alter hippocampal neurogenesis. Behavioural Brain Research, 2022, 421, 113725.	2.2	4
74	Expression of endogenous Mkp1 in 6-OHDA rat models of Parkinsonâ€™s disease. SpringerPlus, 2014, 3, 205.	1.2	3
75	Enduring effects of an unhealthy diet during adolescence on systemic but not neurobehavioural measures in adult rats. Nutritional Neuroscience, 2022, 25, 657-669.	3.1	3
76	Toxoplasma gondii: An unwelcome visitor that damages social and neuronal connections. Brain, Behavior, and Immunity, 2019, 80, 4-5.	4.1	2
77	Lutein and zeaxanthin: The possible contribution, mechanisms of action and implications of modern dietary intake for cognitive development in children.. HRB Open Research, 0, 2, 8.	0.6	1
78	Cover Image, Volume 28, Issue 1. Hippocampus, 2018, 28, C1.	1.9	0
79	A Reduction in Behavioral Pattern Separation Is Attenuated by Dietary Supplementation with a Magnesium-Rich Marine Mineral Blend in Middle-Aged Rats. Journal of Medicinal Food, 2021, , .	1.5	0
80	3D O 2 imaging in the neuronal spheroids. FASEB Journal, 2013, 27, 574.1.	0.5	0
81	Therapeutic Response Evaluation in Advanced Melanoma Patients Incorporating Plasma cfDNA, LDH, VEGF, PD-L1, and IFN-Î³ Measurements. Anticancer Research, 2022, 42, 801-810.	1.1	0