

Yvonne M Nolan

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,415
citations

117453

34
h-index

106150

65
g-index

82
all docs

82
docs citations

82
times ranked

6087
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Contributions of central and systemic inflammation to the pathophysiology of Parkinson's disease. <i>Neuropharmacology</i> , 2012, 62, 2154-2168.	2.0	248
3	The influence of microglia on the pathogenesis of Parkinson's disease. <i>Progress in Neurobiology</i> , 2009, 89, 277-287.	2.8	247
4	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
5	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
6	Depression's Unholy Trinity: Dysregulated Stress, Immunity, and the Microbiome. <i>Annual Review of Psychology</i> , 2020, 71, 49-78.	9.9	152
7	Activation of p38 Plays a Pivotal Role in the Inhibitory Effect of Lipopolysaccharide and Interleukin-1 β on Long Term Potentiation in Rat Dentate Gyrus. <i>Journal of Biological Chemistry</i> , 2003, 278, 19453-19462.	1.6	150
8	Neuroinflammation negatively affects adult hippocampal neurogenesis and cognition: can exercise compensate?. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 61, 121-131.	2.9	146
9	A Phosphorescent Nanoparticle-Based Probe for Sensing and Imaging of (Intra)Cellular Oxygen in Multiple Detection Modalities. <i>Advanced Functional Materials</i> , 2012, 22, 4931-4939.	7.8	136
10	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
11	Lipopolysaccharide-induced increase in signalling in hippocampus is abrogated by IL-10 - a role for IL-1 β ?. <i>Journal of Neurochemistry</i> , 2004, 88, 635-646.	2.1	124
12	The Anti-inflammatory Cytokine, Interleukin (IL)-10, Blocks the Inhibitory Effect of IL-1 β on Long Term Potentiation. <i>Journal of Biological Chemistry</i> , 2001, 276, 45564-45572.	1.6	122
13	Stress and adolescent hippocampal neurogenesis: diet and exercise as cognitive modulators. <i>Translational Psychiatry</i> , 2017, 7, e1081-e1081.	2.4	115
14	Differential effect of chronic antidepressant treatments on lipopolysaccharide-induced depressive-like behavioural symptoms in the rat. <i>Life Sciences</i> , 1999, 65, 1773-1786.	2.0	112
15	A role for interleukin-1 β in determining the lineage fate of embryonic rat hippocampal neural precursor cells. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 311-321.	1.0	108
16	Imaging of neurosphere oxygenation with phosphorescent probes. <i>Biomaterials</i> , 2013, 34, 9307-9317.	5.7	105
17	Tumour necrosis factor- α impairs neuronal differentiation but not proliferation of hippocampal neural precursor cells: Role of Hes1. <i>Molecular and Cellular Neurosciences</i> , 2010, 43, 127-135.	1.0	102
18	Parkinson's disease in the nuclear age of neuroinflammation. <i>Trends in Molecular Medicine</i> , 2013, 19, 187-196.	3.5	101

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19	GSK-3 mediates the release of IL-1 β , TNF- α and IL-10 from cortical glia. <i>Neurochemistry International</i> , 2012, 61, 666-671.	1.9	93
20	Born this way: Hippocampal neurogenesis across the lifespan. <i>Aging Cell</i> , 2019, 18, e13007.	3.0	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. <i>Experimental Neurology</i> , 2003, 184, 794-804.	2.0	84
22	Inflammation and the developing brain: Consequences for hippocampal neurogenesis and behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 40, 20-34.	2.9	77
23	Exposure of foetal neural progenitor cells to IL-1 β impairs their proliferation and alters their differentiation – a role for maternal inflammation?. <i>Journal of Neurochemistry</i> , 2012, 120, 964-973.	2.1	73
24	Negative regulation of TLX by IL-1 β correlates with an inhibition of adult hippocampal neural precursor cell proliferation. <i>Brain, Behavior, and Immunity</i> , 2013, 33, 7-13.	2.0	61
25	Nigral overexpression of α -synuclein in a rat Parkinson's disease model indicates alterations in the enteric nervous system and the gut microbiome. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13726.	1.6	61
26	Evidence of a protective effect of phosphatidylserine-containing liposomes on lipopolysaccharide-induced impairment of long-term potentiation in the rat hippocampus. <i>Journal of Neuroimmunology</i> , 2004, 151, 12-23.	1.1	55
27	Glycogen Synthase Kinase-3 as a Therapeutic Target for Cognitive Dysfunction in Neuropsychiatric Disorders. <i>CNS Drugs</i> , 2015, 29, 1-15.	2.7	55
28	Evidence that interleukin-1 β 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
29	Neuroprotective effects of novel phosphatidylglycerol-based phospholipids in the 6-hydroxydopamine model of Parkinson's disease. <i>European Journal of Neuroscience</i> , 2008, 27, 294-300.	1.2	50
30	Interleukin-1 β contributes to dopaminergic neuronal death induced by lipopolysaccharide-stimulated rat glia in vitro. <i>Journal of Neuroimmunology</i> , 2010, 226, 20-26.	1.1	48
31	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
32	Unlocking mechanisms in interleukin-1 β -induced changes in hippocampal neurogenesis – a role for GSK-3 β and TLX. <i>Translational Psychiatry</i> , 2012, 2, e194-e194.	2.4	46
33	Dietary Supplementation with a Magnesium-Rich Marine Mineral Blend Enhances the Diversity of Gastrointestinal Microbiota. <i>Marine Drugs</i> , 2018, 16, 216.	2.2	41
34	Inflammation, Lifestyle Factors, and the Microbiome-Gut-Brain Axis: Relevance to Depression and Antidepressant Action. <i>Clinical Pharmacology and Therapeutics</i> , 2023, 113, 246-259.	2.3	40
35	Nuclear deterrents: Intrinsic regulators of IL-1 β -induced effects on hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2017, 66, 394-412.	2.0	34
36	Mitogen-Activated Protein Kinase Phosphatase (MKP)-1 as a Neuroprotective Agent: Promotion of the Morphological Development of Midbrain Dopaminergic Neurons. <i>NeuroMolecular Medicine</i> , 2013, 15, 435-446.	1.8	33

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37	Chronic interleukin-1 β in the dorsal hippocampus impairs behavioural pattern separation. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 252-264.	2.0	33
38	Differential effects of adolescent and adult-initiated exercise on cognition and hippocampal neurogenesis. <i>Hippocampus</i> , 2019, 29, 352-365.	0.9	30
39	Treatment with dexamethasone and vitamin D ₃ attenuates neuroinflammatory age-related changes in rat hippocampus. <i>Synapse</i> , 2007, 61, 851-861.	0.6	29
40	Evidence that the marine-derived multi-mineral aquamin has anti-inflammatory effects on cortical glial-enriched cultures. <i>Phytotherapy Research</i> , 2011, 25, 765-767.	2.8	28
41	A low-cost touchscreen operant chamber using a Raspberry Pi, <i>Behavior Research Methods</i> , 2018, 50, 2523-2530.	2.3	28
42	Deletion of TLX and social isolation impairs exercise-induced neurogenesis in the adolescent hippocampus. <i>Hippocampus</i> , 2018, 28, 3-11.	0.9	28
43	Mitogen-Activated Protein Kinase Phosphatase (MKP)-1 in Nervous System Development and Disease. <i>Molecular Neurobiology</i> , 2015, 51, 1158-1167.	1.9	27
44	Attenuation of LPS-Induced Changes in Synaptic Activity in Rat Hippocampus by Vasogen's Immune Modulation Therapy. <i>NeuroImmunoModulation</i> , 2002, 10, 40-46.	0.9	25
45	IL-1 β inhibits axonal growth of developing sympathetic neurons. <i>Molecular and Cellular Neurosciences</i> , 2011, 48, 142-150.	1.0	24
46	Differential effects of adolescent and adult-initiated voluntary exercise on context and cued fear conditioning. <i>Neuropharmacology</i> , 2019, 145, 49-58.	2.0	24
47	Lipopolysaccharide administration produces time-dependent and region-specific alterations in tryptophan and tyrosine hydroxylase activities in rat brain. <i>Journal of Neural Transmission</i> , 2000, 107, 1393-1401.	1.4	23
48	Treatment with the noradrenaline re-uptake inhibitor atomoxetine alone and in combination with the β -2-adrenoceptor antagonist idazoxan attenuates loss of dopamine and associated motor deficits in the LPS inflammatory rat model of Parkinson's disease. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 456-469.	2.0	21
49	Adult-born neurons from the dorsal, intermediate, and ventral regions of the longitudinal axis of the hippocampus exhibit differential sensitivity to glucocorticoids. <i>Molecular Psychiatry</i> , 2020, 26, 3240-3252.	4.1	21
50	The nuclear receptor Tlx regulates motor, cognitive and anxiety-related behaviours during adolescence and adulthood. <i>Behavioural Brain Research</i> , 2016, 306, 36-47.	1.2	20
51	Adolescent social isolation stress unmask the combined effects of adolescent exercise and adult inflammation on hippocampal neurogenesis and behavior. <i>Neuroscience</i> , 2017, 365, 226-236.	1.1	20
52	Chronic intrahippocampal interleukin-1 β overexpression in adolescence impairs hippocampal neurogenesis but not neurogenesis-associated cognition. <i>Brain, Behavior, and Immunity</i> , 2020, 83, 172-179.	2.0	19
53	Neuroprotective effects of voluntary running on cognitive dysfunction in an α -synuclein rat model of Parkinson's disease. <i>Neurobiology of Aging</i> , 2018, 65, 60-68.	1.5	16
54	TLX is an intrinsic regulator of the negative effects of IL-1 β on proliferating hippocampal neural progenitor cells. <i>FASEB Journal</i> , 2018, 32, 613-624.	0.2	15

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55	Absence of the neurogenesis-dependent nuclear receptor TLX induces inflammation in the hippocampus. <i>Journal of Neuroimmunology</i> , 2019, 331, 87-96.	1.1	15
56	The Omega-3 Polyunsaturated Fatty Acid Docosahexaenoic Acid (DHA) Reverses Corticosterone-Induced Changes in Cortical Neurons. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv130.	1.0	14
57	The orphan nuclear receptor TLX regulates hippocampal transcriptome changes induced by IL-1 β . <i>Brain, Behavior, and Immunity</i> , 2018, 70, 268-279.	2.0	14
58	Regulation of behaviour by the nuclear receptor <sc>TLX</sc>. <i>Genes, Brain and Behavior</i> , 2018, 17, e12357.	1.1	12
59	Treatment with phosphatidylglycerol-based nanoparticles prevents motor deficits induced by proteasome inhibition: Implications for Parkinson's disease. <i>Behavioural Brain Research</i> , 2008, 195, 271-274.	1.2	10
60	Inhibition of Constitutive Nitric Oxide Production Increases the Severity of Lipopolysaccharide-Induced Sickness Behaviour: A Role for TNF- α . <i>NeuroImmunoModulation</i> , 2002, 10, 367-378.	0.9	9
61	A role for the orphan nuclear receptor TLX in the interaction between neural precursor cells and microglia. <i>Neuronal Signaling</i> , 2019, 3, NS20180177.	1.7	8
62	A role for mitogen-activated protein kinase phosphatase 1 (MKP1) in neural cell development and survival. <i>Neural Regeneration Research</i> , 2015, 10, 1748.	1.6	8
63	The utility of plasma circulating cell-free messenger RNA as a biomarker of glioma: a pilot study. <i>Acta Neurochirurgica</i> , 2022, 164, 723-735.	0.9	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. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 327-338.	2.0	8
65	Exercise as therapy for Parkinson's?. <i>Aging</i> , 2018, 10, 1536-1537.	1.4	7
66	TLX knockdown in the dorsal dentate gyrus of juvenile rats differentially affects adolescent and adult behaviour. <i>Behavioural Brain Research</i> , 2019, 360, 36-50.	1.2	7
67	Universal design for learning in anatomy education of healthcare students: A scoping review. <i>Anatomical Sciences Education</i> , 2023, 16, 10-26.	2.5	7
68	The gut microbiome and adult hippocampal neurogenesis: A new focal point for epilepsy?. <i>Neurobiology of Disease</i> , 2022, 170, 105746.	2.1	7
69	Knockdown of interleukin-1 receptor 1 is not neuroprotective in the 6-hydroxydopamine striatal lesion rat model of Parkinson's disease. <i>International Journal of Neuroscience</i> , 2015, 125, 70-77.	0.8	6
70	Evidence of an Anti-Inflammatory Role for Vasogen's Immune Modulation Therapy. <i>NeuroImmunoModulation</i> , 2005, 12, 113-116.	0.9	5
71	Analysis of the Impact of CD200 on Neurodegenerative Diseases. , 2011, , .		4
72	Motivation and learning methods of anatomy: Associations with mental well-being. <i>Clinical Anatomy</i> , 2022, 35, 26-39.	1.5	4

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73	Juvenile stress exerts sex-independent effects on anxiety, antidepressant-like behaviours and dopaminergic innervation of the prefrontal cortex in adulthood and does not alter hippocampal neurogenesis. <i>Behavioural Brain Research</i> , 2022, 421, 113725.	1.2	4
74	Expression of endogenous Mkp1 in 6-OHDA rat models of Parkinson's disease. <i>SpringerPlus</i> , 2014, 3, 205.	1.2	3
75	Enduring effects of an unhealthy diet during adolescence on systemic but not neurobehavioural measures in adult rats. <i>Nutritional Neuroscience</i> , 2022, 25, 657-669.	1.5	3
76	<i>Toxoplasma gondii</i> : An unwelcome visitor that damages social and neuronal connections. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 4-5.	2.0	2
77	Lutein and zeaxanthin: The possible contribution, mechanisms of action and implications of modern dietary intake for cognitive development in children. <i>HRB Open Research</i> , 0, 2, 8.	0.3	1
78	Cover Image, Volume 28, Issue 1. <i>Hippocampus</i> , 2018, 28, C1.	0.9	0
79	A Reduction in Behavioral Pattern Separation Is Attenuated by Dietary Supplementation with a Magnesium-Rich Marine Mineral Blend in Middle-Aged Rats. <i>Journal of Medicinal Food</i> , 2021, , .	0.8	0
80	3D O 2 imaging in the neuronal spheroids. <i>FASEB Journal</i> , 2013, 27, 574.1.	0.2	0
81	Therapeutic Response Evaluation in Advanced Melanoma Patients Incorporating Plasma cfDNA, LDH, VEGF, PD-L1, and IFN- γ Measurements. <i>Anticancer Research</i> , 2022, 42, 801-810.	0.5	0