

# Kenneth J O'riordan

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

6,149  
citations

236925

25  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

7698  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Microbiota-Gut-Brain Axis. <i>Physiological Reviews</i> , 2019, 99, 1877-2013.	28.8	2,304
2	Regulation of Histone Acetylation during Memory Formation in the Hippocampus. <i>Journal of Biological Chemistry</i> , 2004, 279, 40545-40559.	3.4	982
3	The gut microbiome in neurological disorders. <i>Lancet Neurology</i> , The, 2020, 19, 179-194.	10.2	669
4	ERK/MAPK regulates hippocampal histone phosphorylation following contextual fear conditioning. <i>Learning and Memory</i> , 2006, 13, 322-328.	1.3	301
5	Microbiota-Gut-Brain Axis: New Therapeutic Opportunities. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 477-502.	9.4	227
6	Towards a psychobiotic therapy for depression: <i>Bifidobacterium breve</i> CCFM1025 reverses chronic stress-induced depressive symptoms and gut microbial abnormalities in mice. <i>Neurobiology of Stress</i> , 2020, 12, 100216.	4.0	159
7	Metabolic Regulation of Neuronal Plasticity by the Energy Sensor AMPK. <i>PLoS ONE</i> , 2010, 5, e8996.	2.5	152
8	Short chain fatty acids: Microbial metabolites for gut-brain axis signalling. <i>Molecular and Cellular Endocrinology</i> , 2022, 546, 111572.	3.2	117
9	MAPK recruitment by beta-amyloid in organotypic hippocampal slice cultures depends on physical state and exposure time. <i>Journal of Neurochemistry</i> , 2004, 91, 349-361.	3.9	105
10	Reversal of Fragile X Phenotypes by Manipulation of $\hat{A}^2PP/\hat{A}^2$ Levels in <i>Fmr1KO</i> Mice. <i>PLoS ONE</i> , 2011, 6, e26549.	2.5	103
11	When Rhythms Meet the Blues: Circadian Interactions with the Microbiota-Gut-Brain Axis. <i>Cell Metabolism</i> , 2020, 31, 448-471.	16.2	101
12	Regulation of Nuclear Factor $\hat{A}B$ in the Hippocampus by Group I Metabotropic Glutamate Receptors. <i>Journal of Neuroscience</i> , 2006, 26, 4870-4879.	3.6	98
13	Pin1 and PKM $\hat{I}$ Sequentially Control Dendritic Protein Synthesis. <i>Science Signaling</i> , 2010, 3, ra18.	3.6	75
14	Environmental enrichment improves learning and memory and long-term potentiation in young adult rats through a mechanism requiring mGluR5 signaling and sustained activation of p70s6k. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 126-134.	1.9	74
15	Altered longevity assurance activity of p53:p44 in the mouse causes memory loss, neurodegeneration and premature death. <i>Aging Cell</i> , 2010, 9, 174-190.	6.7	68
16	Microbiota and sleep: awakening the gut feeling. <i>Trends in Molecular Medicine</i> , 2021, 27, 935-945.	6.7	65
17	Microbiota-gut-brain axis as a regulator of reward processes. <i>Journal of Neurochemistry</i> , 2021, 157, 1495-1524.	3.9	60
18	Environmental enrichment improves hippocampal function in aged rats by enhancing learning and memory, LTP, and mGluR5-Homer1c activity. <i>Neurobiology of Aging</i> , 2018, 63, 1-11.	3.1	55

#	ARTICLE	IF	CITATIONS
19	Dietary phospholipids: Role in cognitive processes across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 111, 183-193.	6.1	43
20	Reduced Juvenile Long-Term Depression in Tuberous Sclerosis Complex Is Mitigated in Adults by Compensatory Recruitment of mGluR5 and Erk Signaling. <i>PLoS Biology</i> , 2013, 11, e1001627.	5.6	40
21	Rescue of synaptic plasticity and spatial learning deficits in the hippocampus of Homer1 knockout mice by recombinant Adeno-associated viral gene delivery of Homer1c. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 17-29.	1.9	36
22	Potent anti-seizure effects of D-leucine. <i>Neurobiology of Disease</i> , 2015, 82, 46-53.	4.4	35
23	A biological framework for emotional dysregulation in alcohol misuse: from gut to brain. <i>Molecular Psychiatry</i> , 2021, 26, 1098-1118.	7.9	33
24	Improved proteostasis in the secretory pathway rescues Alzheimer's disease in the mouse. <i>Brain</i> , 2016, 139, 937-952.	7.6	30
25	Microbial memories: Sex-dependent impact of the gut microbiome on hippocampal plasticity. <i>European Journal of Neuroscience</i> , 2021, 54, 5235-5244.	2.6	30
26	NMDA and Dopamine Converge on the NMDA-Receptor to Induce ERK Activation and Synaptic Depression in Mature Hippocampus. <i>PLoS ONE</i> , 2006, 1, e138.	2.5	27
27	Histone deacetylase inhibitors restore normal hippocampal synaptic plasticity and seizure threshold in a mouse model of Tuberous Sclerosis Complex. <i>Scientific Reports</i> , 2019, 9, 5266.	3.3	26
28	Maternal antibiotic administration during a critical developmental window has enduring neurobehavioural effects in offspring mice. <i>Behavioural Brain Research</i> , 2021, 404, 113156.	2.2	26
29	Facilitates LTD at Schaffer Collateral Synapses Preferentially in the Left Hippocampus. <i>Cell Reports</i> , 2018, 22, 2053-2065.	6.4	22
30	Of bowels, brain and behavior: A role for the gut microbiota in psychiatric comorbidities in irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14095.	3.0	21
31	Physiological activation of mGlu5 receptors supports the ion channel function of NMDA receptors in hippocampal LTD induction in vivo. <i>Scientific Reports</i> , 2018, 8, 4391.	3.3	19
32	The amyloid precursor protein (APP) intracellular domain regulates translation of p44, a short isoform of p53, through an IRES-dependent mechanism. <i>Neurobiology of Aging</i> , 2015, 36, 2725-2736.	3.1	18
33	The role of Homer1c in metabotropic glutamate receptor-dependent long-term potentiation. <i>Hippocampus</i> , 2014, 24, 1-6.	1.9	16
34	Strain differences in behaviour and immunity in aged mice: Relevance to Autism. <i>Behavioural Brain Research</i> , 2021, 399, 113020.	2.2	12
35	Induction of Metabotropic Glutamate Receptor-Mediated Long-Term Depression in the Hippocampal Schaffer Collateral Pathway of Aging Rats. <i>Methods in Molecular Biology</i> , 2019, 1941, 93-105.	0.9	0