Rodney W Johnson

List of Publications by Year
in descending order

156 papers	18,004 citations	26567 56 h-index	12910 131 g-index
159 all docs	159 docs citations	159 times ranked	21220 citing authors

#	Article	IF	Citations
1	From inflammation to sickness and depression: when the immune system subjugates the brain. Nature Reviews Neuroscience, 2008, 9, 46-56.	4.9	5,599
2	Exaggerated neuroinflammation and sickness behavior in aged mice after activation of the peripheral innate immune system. FASEB Journal, 2005, 19, 1329-1331.	0.2	733
3	Eddy/Wind Interactions Stimulate Extraordinary Mid-Ocean Plankton Blooms. Science, 2007, 316, 1021-1026.	6.0	722
4	Cytokine-induced sickness behavior. Brain, Behavior, and Immunity, 2003, 17, 112-118.	2.0	597
5	Neuroinflammation and disruption in working memory in aged mice after acute stimulation of the peripheral innate immune system. Brain, Behavior, and Immunity, 2008, 22, 301-311.	2.0	349
6	Inhibition of growth by pro-inflammatory cytokines: an integrated view.. Journal of Animal Science, 1997, 75, 1244.	0.2	346
7	Interleukin-10 in the Brain. Critical Reviews in Immunology, 2001, 21, 23.	1.0	321
8	Aging, microglial cell priming, and the discordant central inflammatory response to signals from the peripheral immune system. Journal of Leukocyte Biology, 2008, 84, 932-939.	1.5	317
9	Luteolin reduces IL-6 production in microglia by inhibiting JNK phosphorylation and activation of AP-1. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7534-7539.	3.3	299
10	Increased interleukin-6 expression by microglia from brain of aged mice. Journal of Neuroimmunology, 1999, 93, 139-148.	1.1	293
11	Interleukin-6 Facilitates Lipopolysaccharide-Induced Disruption in Working Memory and Expression of Other Proinflammatory Cytokines in Hippocampal Neuronal Cell Layers. Journal of Neuroscience, 2006, 26, 10709-10716.	1.7	292
12	Neuroinflammation Associated with Aging Sensitizes the Brain to the Effects of Infection or Stress. NeuroImmunoModulation, 2008, 15, 323-330.	0.9	269
13	Aging Exacerbates Depressive-like Behavior in Mice in Response to Activation of the Peripheral Innate Immune System. Neuropsychopharmacology, 2008, 33, 2341-2351.	2.8	267
14	Neuroinflammation and cognitive function in aged mice following minor surgery. Experimental Gerontology, 2008, 43, 840-846.	1.2	242
15	The concept of sickness behavior: a brief chronological account of four key discoveries. Veterinary Immunology and Immunopathology, 2002, 87, 443-450.	0.5	230
16	Perinatal iron deficiency and neurocognitive development. Frontiers in Human Neuroscience, 2013, 7, 585.	1.0	214
17	Regulation of IGF-I function by proinflammatory cytokines: At the interface of immunology and endocrinology. Cellular Immunology, 2008, 252, 91-110.	1.4	202
18	Exaggerated sickness behavior and brain proinflammatory cytokine expression in aged mice in response to intracerebroventricular lipopolysaccharide. Neurobiology of Aging, 2008, 29, 1744-1753.	1.5	195

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19	Butyrate and Dietary Soluble Fiber Improve Neuroinflammation Associated With Aging in Mice. Frontiers in Immunology, 2018, 9, 1832.	2.2	192
20	An Age-Related Decline in Interleukin-10 May Contribute to the Increased Expression of Interleukin-6 in Brain of Aged Mice. NeuroImmunoModulation, 2001, 9, 183-192.	0.9	178
21	Influenza Infection Induces Neuroinflammation, Alters Hippocampal Neuron Morphology, and Impairs Cognition in Adult Mice. Journal of Neuroscience, 2012, 32, 3958-3968.	1.7	174
22	Age and Neuroinflammation: A Lifetime of Psychoneuroimmune Consequences. Immunology and Allergy Clinics of North America, 2009, 29, 321-337.	0.7	161
23	Brain Growth of the Domestic Pig <i>(Sus scrofa)</i> from 2 to 24 Weeks of Age: A Longitudinal MRI Study. Developmental Neuroscience, 2012, 34, 291-298.	1.0	160
24	In Vivo and in Vitro Evidence for the Involvement of Tumor Necrosis Factor-Î± in the Induction of Leptin by Lipopolysaccharide*. Endocrinology, 1998, 139, 2278-2283.	1.4	159
25	Interleukin-6 in the aging brain. Journal of Neuroimmunology, 2004, 147, 141-144.	1.1	149
26	Lipopolysaccharide-induced sickness behavior in pigs is inhibited by pretreatment with indomethacin. Journal of Animal Science, 1994, 72, 309-314.	0.2	139
27	Dysregulated neuronalâ€“microglial cross-talk during aging, stress and inflammation. Experimental Neurology, 2012, 233, 40-48.	2.0	138
28	Anti-inflammatory Ï‰-3 endocannabinoid epoxides. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6034-E6043.	3.3	136
29	Luteolin Inhibits Microglia and Alters Hippocampal-Dependent Spatial Working Memory in Aged Mice. Journal of Nutrition, 2010, 140, 1892-1898.	1.3	131
30	Consuming a Diet Supplemented with Resveratrol Reduced Infection-Related Neuroinflammation and Deficits in Working Memory in Aged Mice. Rejuvenation Research, 2009, 12, 445-453.	0.9	123
31	Interleukin (IL)-10 inhibits IL-6 production in microglia by preventing activation of NF-ÎºB. Molecular Brain Research, 2000, 77, 138-147.	2.5	115
32	Age and Neuroinflammation: A Lifetime of Psychoneuroimmune Consequences. Neurologic Clinics, 2006, 24, 521-538.	0.8	111
33	Inhibition of interleukin-6 trans-signaling in the brain facilitates recovery from lipopolysaccharide-induced sickness behavior. Journal of Neuroinflammation, 2011, 8, 54.	3.1	105
34	Cognitive and neuroinflammatory consequences of mild repeated stress are exacerbated in aged mice. Psychoneuroendocrinology, 2008, 33, 755-765.	1.3	104
35	Regulation of interleukin-6 gene expression in brain of aged mice by nuclear factor ÎºB. Journal of Neuroimmunology, 2001, 117, 87-96.	1.1	102
36	IL-1Î² Impairs Insulin-Like Growth Factor I-Induced Differentiation and Downstream Activation Signals of the Insulin-Like Growth Factor I Receptor in Myoblasts. Journal of Immunology, 2004, 172, 7713-7720.	0.4	102

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37	Proinflammatory Cytokine Impairment of Insulin-Like Growth Factor I-Induced Protein Synthesis in Skeletal Muscle Myoblasts Requires Ceramide. Endocrinology, 2004, 145, 4592-4602.	1.4	99
38	Cytokine-Hormone Interactions: Tumor Necrosis Factor Î± Impairs Biologic Activity and Downstream Activation Signals of the Insulin-Like Growth Factor I Receptor in Myoblasts. Endocrinology, 2003, 144, 2988-2996.	1.4	98
39	Cognitive deficits in interleukin-10-deficient mice after peripheral injection of lipopolysaccharide. Brain, Behavior, and Immunity, 2009, 23, 794-802.	2.0	97
40	Î±-Tocopherol reduces lipopolysaccharide-induced peroxide radical formation and interleukin-6 secretion in primary murine microglia and in brain. Journal of Neuroimmunology, 2004, 149, 101-109.	1.1	92
41	Early Supplementation of Phospholipids and Gangliosides Affects Brain and Cognitive Development in Neonatal Piglets. Journal of Nutrition, 2014, 144, 1903-1909.	1.3	88
42	IL-1Î²-Mediated Innate Immunity Is Amplified in the db/db Mouse Model of Type 2 Diabetes. Journal of Immunology, 2005, 174, 4991-4997.	0.4	82
43	Architectural changes to CA1 pyramidal neurons in adult and aged mice after peripheral immune stimulation. Psychoneuroendocrinology, 2008, 33, 1369-1377.	1.3	82
44	Environmental enrichment attenuates hippocampal neuroinflammation and improves cognitive function during influenza infection. Brain, Behavior, and Immunity, 2012, 26, 1006-1016.	2.0	82
45	Early Life Iron Deficiency Impairs Spatial Cognition in Neonatal Piglets ,2. Journal of Nutrition, 2012, 142, 2050-2056.	1.3	79
46	A Neonatal Piglet Model for Investigating Brain and Cognitive Development in Small for Gestational Age Human Infants. PLoS ONE, 2014, 9, e91951.	1.1	75
47	Î±-Tocopherol attenuates lipopolysaccharide-induced sickness behavior in mice. Brain, Behavior, and Immunity, 2004, 18, 149-157.	2.0	72
48	Central inhibition of interleukin-1Î² ameliorates sickness behavior in aged mice. Brain, Behavior, and Immunity, 2009, 23, 396-401.	2.0	71
49	Voluntary wheel running, but not a diet containing (â^')-epigallocatechin-3-gallate and Î²-alanine, improves learning, memory and hippocampal neurogenesis in aged mice. Behavioural Brain Research, 2014, 272, 131-140.	1.2	71
50	IL-10 promotes survival of microglia without activating Akt. Journal of Neuroimmunology, 2002, 122, 9-19.	1.1	68
51	Neuro-immune dysfunction during brain aging: new insights in microglial cell regulation. Current Opinion in Pharmacology, 2016, 26, 96-101.	1.7	67
52	Î±-Tocopherol attenuates NFÎºB activation and pro-inflammatory cytokine production in brain and improves recovery from lipopolysaccharide-induced sickness behavior. Journal of Neuroimmunology, 2005, 169, 97-105.	1.1	66
53	Effects of IL-10 and age on IL-6, IL-1Î², and TNF-Î± responses in mouse skeletal and cardiac muscle to an acute inflammatory insult. Journal of Applied Physiology, 2008, 104, 991-997.	1.2	64
54	Aging sensitizes mice to behavioral deficits induced by central HIV-1 gp120. Neurobiology of Aging, 2008, 29, 614-621.	1.5	63

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55	The Domestic Piglet: An Important Model for Investigating the Neurodevelopmental Consequences of Early Life Insults. Annual Review of Animal Biosciences, 2015, 3, 245-264.	3.6	62
56	Behavioral assessment of cognitive function using a translational neonatal piglet model. Brain, Behavior, and Immunity, 2010, 24, 1156-1165.	2.0	60
57	Insulin-like growth factor-I enhances the biological activity of brain-derived neurotrophic factor on cerebrocortical neurons. Journal of Neuroimmunology, 2006, 179, 186-190.	1.1	57
58	Exacerbated fatigue and motor deficits in interleukin-10-deficient mice after peripheral immune stimulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1109-R1114.	0.9	57
59	Central inhibition of interleukin-6 trans-signaling during peripheral infection reduced neuroinflammation and sickness in aged mice. Brain, Behavior, and Immunity, 2013, 30, 66-72.	2.0	57
60	An In Vivo Three-Dimensional Magnetic Resonance Imaging-Based Averaged Brain Collection of the Neonatal Piglet (Sus scrofa). PLoS ONE, 2014, 9, e107650.	1.1	56
61	Regulation of Food Intake by Inflammatory Cytokines in the Brain. Neuroendocrinology, 2007, 86, 183-190.	1.2	54
62	Improved psychomotor performance in aged mice fed diet high in antioxidants is associated with reduced ex vivo brain interleukin-6 production. Brain, Behavior, and Immunity, 2005, 19, 512-520.	2.0	53
63	Interleukin-6 trans-signaling in the senescent mouse brain is involved in infection-related deficits in contextual fear conditioning. Brain, Behavior, and Immunity, 2012, 26, 732-738.	2.0	52
64	Aging and peripheral lipopolysaccharide can modulate epigenetic regulators and decrease IL-1Î² promoter DNA methylation in microglia. Neurobiology of Aging, 2016, 47, 1-9.	1.5	52
65	Dietary Luteolin Reduces Proinflammatory Microglia in the Brain of Senescent Mice. Rejuvenation Research, 2016, 19, 286-292.	0.9	52
66	Central administration of insulin-like growth factor-1 inhibits lipopolysaccharide-induced sickness behavior in mice. NeuroReport, 1999, 10, 289-292.	0.6	51
67	Place and direction learning in a spatial T-maze task by neonatal piglets. Animal Cognition, 2012, 15, 667-676.	0.9	51
68	Sulforaphane induces Nrf2 target genes and attenuates inflammatory gene expression in microglia from brain of young adult and aged mice. Experimental Gerontology, 2016, 73, 42-48.	1.2	51
69	Use of Medaka in Toxicity Testing. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2009, 39, Unit1.10.	1.1	49
70	Immunology discovers physiology. Veterinary Immunology and Immunopathology, 1994, 43, 157-165.	0.5	48
71	Defect in Interleukin-1Î² Secretion Prevents Sickness Behavior in C3H/HeJ Mice. Physiology and Behavior, 1997, 61, 873-878.	1.0	47
72	Decreased Protein Accretion in Pigs with Viral and Bacterial Pneumonia Is Associated with Increased Myostatin Expression in Muscle. Journal of Nutrition, 2004, 134, 3047-3053.	1.3	46

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73	Microglia priming by interleukin-6 signaling is enhanced in aged mice. Journal of Neuroimmunology, 2018, 324, 90-99.	1.1	46
74	Respiratory Viral Infection in Neonatal Piglets Causes Marked Microglia Activation in the Hippocampus and Deficits in Spatial Learning. Journal of Neuroscience, 2014, 34, 2120-2129.	1.7	45
75	Impact of neonatal iron deficiency on hippocampal DNA methylation and gene transcription in a porcine biomedical model of cognitive development. BMC Genomics, 2016, 17, 856.	1.2	44
76	Tumor necrosis factor-? regulates secretion of the adipocyte-derived cytokine, leptin. Microscopy Research and Technique, 2000, 50, 209-215.	1.2	42
77	Effects of mannan oligosaccharide on cytokine secretions by porcine alveolar macrophages and serum cytokine concentrations in nursery pigs12. Journal of Animal Science, 2012, 90, 657-668.	0.2	41
78	Hypoxia/Reoxygenation Impairs Memory Formation via Adenosine-Dependent Activation of Caspase 1. Journal of Neuroscience, 2012, 32, 13945-13955.	1.7	40
79	C-Jun N-Terminal Kinase Mediates Tumor Necrosis Factor-Î± Suppression of Differentiation in Myoblasts. Endocrinology, 2006, 147, 4363-4373.	1.4	39
80	Maternal viral infection during pregnancy elicits anti-social behavior in neonatal piglet offspring independent of postnatal microglial cell activation. Brain, Behavior, and Immunity, 2017, 59, 300-312.	2.0	39
81	Mannan oligosaccharide improves immune responses and growth efficiency of nursery pigs experimentally infected with porcine reproductive and respiratory syndrome virus1,2. Journal of Animal Science, 2011, 89, 2592-2602.	0.2	38
82	Behaviour of pigs with viral and bacterial pneumonia. Applied Animal Behaviour Science, 2007, 105, 42-50.	0.8	37
83	Exercise but not (â€“)-epigallocatechin-3-gallate or Î²-alanine enhances physical fitness, brain plasticity, and behavioral performance in mice. Physiology and Behavior, 2015, 145, 29-37.	1.0	37
84	Feeding the beast: Can microglia in the senescent brain be regulated by diet?. Brain, Behavior, and Immunity, 2015, 43, 1-8.	2.0	37
85	Anorexia, weight loss and increased plasma interleukin-6 caused by chronic intracerebroventricular infusion of interleukin-1 Î² in the rat. Brain Research, 1997, 761, 333-337.	1.1	36
86	Tumor necrosis factorÎ± and insulin-like growth factor-I in the brain: Is the whole greater than the sum of its parts?. Journal of Neuroimmunology, 2001, 119, 151-165.	1.1	36
87	Î±-Tocopherol and Selenium Facilitate Recovery from Lipopolysaccharide-Induced Sickness in Aged Mice. Journal of Nutrition, 2005, 135, 1157-1163.	1.3	36
88	Induction of interleukin-1Î²-converting enzyme (ICE) in murine microglia by lipopolysaccharide. Molecular Brain Research, 1997, 51, 170-178.	2.5	34
89	Lipopolysaccharide-Induced Reductions in Food Intake Do Not Decrease the Efficiency of Lysine and Threonine Utilization for Protein Accretion in Chickens. Journal of Nutrition, 1998, 128, 1760-1766.	1.3	33
90	Heat and social rank impact behavior and physiology of PRRS-virus-infected pigs. Physiology and Behavior, 2007, 90, 73-81.	1.0	33

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91	Novel activity of an anti-inflammatory cytokine: IL-10 prevents TNFÎ±-induced resistance to IGF-I in myoblasts. Journal of Neuroimmunology, 2007, 188, 48-55.	1.1	33
92	Influenza infection triggers disease in a genetic model of experimental autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6107-E6116.	3.3	32
93	Postnatal Iron Deficiency Alters Brain Development in Piglets. Journal of Nutrition, 2016, 146, 1420-1427.	1.3	31
94	Expression of inflammatory cytokines and Toll-like receptors in the brain and respiratory tract of pigs infected with porcine reproductive and respiratory syndrome virus. Veterinary Immunology and Immunopathology, 2010, 135, 314-319.	0.5	30
95	Mannan oligosaccharide increases serum concentrations of antibodies and inflammatory mediators in weanling pigs experimentally infected with porcine reproductive and respiratory syndrome virus1,2. Journal of Animal Science, 2012, 90, 2784-2793.	0.2	30
96	Pretreatment of Young Pigs with Vitamin E Attenuates the Elevation in Plasma Interleukin-6 and Cortisol Caused by a Challenge Dose of Lipopolysaccharide. Journal of Nutrition, 1998, 128, 1657-1660.	1.3	29
97	Gene Expression Profiling of 17Î²-Estradiol and Genistein Effects on Mouse Thymus. Toxicological Sciences, 2005, 87, 97-112.	1.4	29
98	A neurotoxic regimen of methamphetamine exacerbates the febrile and neuroinflammatory response to a subsequent peripheral immune stimulus. Journal of Neuroinflammation, 2010, 7, 82.	3.1	29
99	Methamphetamine sensitization attenuates the febrile and neuroinflammatory response to a subsequent peripheral immune stimulus. Brain, Behavior, and Immunity, 2010, 24, 502-511.	2.0	29
100	Peripheral viral infection induced microglial sensome genes and enhanced microglial cell activity in the hippocampus of neonatal piglets. Brain, Behavior, and Immunity, 2016, 54, 243-251.	2.0	29
101	Central Interleukin-1 Receptors as Mediators of Sickness. Annals of the New York Academy of Sciences, 1997, 823, 234-246.	1.8	28
102	In vivo vitamin E administration attenuates interleukinâ€6 and interleukinâ€1Î² responses to an acute inflammatory insult in mouse skeletal and cardiac muscle. Experimental Physiology, 2008, 93, 1263-1272.	0.9	28
103	Altered Hippocampal Gene Expression and Morphology in Fetal Piglets following Maternal Respiratory Viral Infection. Developmental Neuroscience, 2018, 40, 104-119.	1.0	28
104	Can consuming flavonoids restore old microglia to their youthful state?. Nutrition Reviews, 2010, 68, 719-728.	2.6	26
105	Role of corticosterone in the behavioral effects of central interleukin-1Î². Physiology and Behavior, 1997, 61, 7-13.	1.0	25
106	Prototypical anti-inflammatory cytokine IL-10 prevents loss of IGF-I-induced myogenin protein expression caused by IL-1Î². American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E709-E718.	1.8	25
107	Magnetic resonance imaging of the neonatal piglet brain. Pediatric Research, 2012, 71, 179-184.	1.1	25
108	Lasting and Sex-Dependent Impact of Maternal Immune Activation on Molecular Pathways of the Amygdala. Frontiers in Neuroscience, 2020, 14, 774.	1.4	25

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109	Interleukin-1Î²-converting enzyme-deficient mice resist central but not systemic endotoxin-induced anorexia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R1829-R1833.	0.9	24
110	Mannan oligosaccharide modulates gene expression profile in pigs experimentally infected with porcine reproductive and respiratory syndrome virus12. Journal of Animal Science, 2011, 89, 3016-3029.	0.2	23
111	Maternal viral infection causes global alterations in porcine fetal microglia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20190-20200.	3.3	23
112	Anti-inflammatory agents inhibit the induction of leptin by tumor necrosis factor-Î±. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R1429-R1435.	0.9	22
113	IL-1Î² Suppresses Prolonged Akt Activation and Expression of E2F-1 and Cyclin A in Breast Cancer Cells. Journal of Immunology, 2004, 172, 7272-7281.	0.4	21
114	Dietary broccoli mildly improves neuroinflammation in aged mice but does not reduce lipopolysaccharide-induced sickness behavior. Nutrition Research, 2014, 34, 990-999.	1.3	19
115	Intracerebroventricular injection of lipopolysaccharide increases plasma leptin levels. NeuroReport, 1999, 10, 153-156.	0.6	18
116	Effects of exercise and dietary epigallocatechin gallate and Î²-alanine on skeletal muscle in aged mice. Applied Physiology, Nutrition and Metabolism, 2016, 41, 181-190.	0.9	17
117	Sulforaphane reduces lipopolysaccharide-induced proinflammatory markers in hippocampus and liver but does not improve sickness behavior. Nutritional Neuroscience, 2017, 20, 195-202.	1.5	16
118	Enhanced neuronal activation in central autonomic network nuclei in aged mice following acute peripheral immune challenge. Autonomic Neuroscience: Basic and Clinical, 2007, 131, 137-142.	1.4	15
119	Long-Lasting Impact of Maternal Immune Activation and Interaction With a Second Immune Challenge on Pig Behavior. Frontiers in Veterinary Science, 2020, 7, 561151.	0.9	15
120	Copperâ€Binding Peptides Attenuate Microglia Inflammation through Suppression of NFâ€kB Pathway. Molecular Nutrition and Food Research, 2021, 65, e2100153.	1.5	15
121	Mice deficient in interleukin-1Î² converting enzyme resist anorexia induced by central lipopolysaccharide. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R1435-R1443.	0.9	14
122	Tumor Necrosis Factor Î± Inhibits Insulin-Like Growth Factor I-Induced Hematopoietic Cell Survival and Proliferation. Endocrinology, 2004, 145, 3101-3105.	1.4	14
123	Behavior of Adult and Aged Mice Before and After Central Injection of Interleukin-1Î². Physiology and Behavior, 1999, 66, 673-679.	1.0	13
124	Inhibition of DNA Methylation With Zebularine Alters Lipopolysaccharide-Induced Sickness Behavior and Neuroinflammation in Mice. Frontiers in Neuroscience, 2018, 12, 636.	1.4	13
125	Interacting impact of maternal inflammatory response and stress on the amygdala transcriptome of pigs. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	13
126	The Combined Effect of Weaning Stress and Immune Activation during Pig Gestation on Serum Cytokine and Analyte Concentrations. Animals, 2021, 11, 2274.	1.0	13

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127	Long-term supplementation with EGCG and beta-alanine decreases mortality but does not affect cognitive or muscle function in aged mice. Experimental Gerontology, 2017, 98, 22-29.	1.2	12
128	Supplementing drinking water with Solutein did not mitigate acute morbidity effects of porcine reproductive and respiratory syndrome virus in nursery pigs. Journal of Animal Science, 2006, 84, 2101-2109.	0.2	11
129	Early postnatal respiratory viral infection alters hippocampal neurogenesis, cell fate, and neuron morphology in the neonatal piglet. Brain, Behavior, and Immunity, 2015, 44, 82-90.	2.0	11
130	Aging sensitizes male mice to cognitive dysfunction induced by central HIV-1 gp120. Experimental Gerontology, 2019, 126, 110694.	1.2	11
131	Biochemistry and Immune Biomarkers Indicate Interacting Effects of Pre- and Postnatal Stressors in Pigs across Sexes. Animals, 2021, 11, 987.	1.0	10
132	Effects of maternal immune activation in porcine transcript isoforms of neuropeptide and receptor genes. Journal of Integrative Neuroscience, 2021, 20, 21.	0.8	10
133	Altered Hippocampal Epigenetic Regulation Underlying Reduced Cognitive Development in Response to Early Life Environmental Insults. Genes, 2020, 11, 162.	1.0	8
134	Quantifying myelin content in brain tissue using color Spatial Light Interference Microscopy (cSLIM). PLoS ONE, 2020, 15, e0241084.	1.1	8
135	Treatment With the CSF1R Antagonist GW2580, Sensitizes Microglia to Reactive Oxygen Species. Frontiers in Immunology, 2021, 12, 734349.	2.2	8
136	Dietary Fiber as a Counterbalance to Age-Related Microglial Cell Dysfunction. Frontiers in Nutrition, 2022, 9, 835824.	1.6	8
137	Impact of Weaning and Maternal Immune Activation on the Metabolism of Pigs. Frontiers in Molecular Biosciences, 2021, 8, 660764.	1.6	7
138	Label-free screening of brain tissue myelin content using phase imaging with computational specificity (PICS). APL Photonics, 2021, 6, 076103.	3.0	7
139	The impact of aging on the brain â€“ Risk, resilience and repair. Brain, Behavior, and Immunity, 2012, 26, 714-716.	2.0	6
140	Early postnatal respiratory viral infection induces structural and neurochemical changes in the neonatal piglet brain. Brain, Behavior, and Immunity, 2015, 48, 326-335.	2.0	6
141	Herring roe oil supplementation alters microglial cell gene expression and reduces peripheral inflammation after immune activation in a neonatal piglet model. Brain, Behavior, and Immunity, 2019, 81, 455-469.	2.0	6
142	Hydrolyzed Fat Formula Increases Brain White Matter in Small for Gestational Age and Appropriate for Gestational Age Neonatal Piglets. Frontiers in Pediatrics, 2020, 8, 32.	0.9	6
143	Disruption of Alternative Splicing in the Amygdala of Pigs Exposed to Maternal Immune Activation. Immuno, 2021, 1, 499-517.	0.6	5
144	Dietary Iron Deficiency Impaired Peripheral Immunity but Did Not Alter Brain Microglia in PRRSV-Infected Neonatal Piglets. Frontiers in Immunology, 2018, 9, 3150.	2.2	4

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145	Dehydroepiandrosterone-sulfate did not mitigate sickness behavior in mice. Physiology and Behavior, 2004, 82, 713-719.	1.0	3
146	Dose-dependent decrease in mortality with no cognitive or muscle function improvements due to dietary EGCG supplementation in aged mice. Applied Physiology, Nutrition and Metabolism, 2017, 42, 495-502.	0.9	2
147	Nutrition and Immunology of Swine. , 2000, , .		2
148	Aging, Neuroinflammation, and Behavior. , 2007, , 379-391.		1
149	Development of the enteric nervous system and intestinal neuroendocrine systems in small for gestational age and average for gestational age piglets during the first month of life (1017.1). FASEB Journal, 2014, 28, 1017.1.	0.2	1
150	Reply to Maitre et al.. Journal of Nutrition, 2013, 143, 549-549.	1.3	0
151	Effects Of Dietary Fiber And Exercise On Cognition, Muscle Function, And Scfa In Young Mice. Medicine and Science in Sports and Exercise, 2016, 48, 522.	0.2	0
152	Luteolin attenuated proâ€inflammatory conditions induced by activated microglia and protected against neuronal cell death. FASEB Journal, 2009, 23, 717.10.	0.2	0
153	Cytokineâ€Induced Hormone Resistance. , 2011, , 254-258.		0
154	A Diet Containing EGCG and Betaâ€Alanine Decreases Mortality and Improves Balance in Aged Mice, but Does Not Affect Cognitive Function. FASEB Journal, 2015, 29, 392.4.	0.2	0
155	Early Supplementation of Phospholipids and Gangliosides Affects Brain and Cognitive Development in Neonatal Piglets. FASEB Journal, 2015, 29, 121.5.	0.2	0
156	Microglial Cells and Inflammatory Cytokines in the Aged Brain. , 2009, , 411-423.		0