

Sarah J Spencer

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

4,779
citations

94269

37
h-index

106150

65
g-index

113
all docs

113
docs citations

113
times ranked

6389
citing authors

#	ARTICLE	IF	CITATIONS
1	Obesity and neuroinflammation: A pathway to cognitive impairment. <i>Brain, Behavior, and Immunity</i> , 2014, 42, 10-21.	2.0	561
2	Postnatal Inflammation Increases Seizure Susceptibility in Adult Rats. <i>Journal of Neuroscience</i> , 2008, 28, 6904-6913.	1.7	257
3	Eating behavior and stress: a pathway to obesity. <i>Frontiers in Psychology</i> , 2014, 5, 434.	1.1	221
4	Ghrelin Regulates the Hypothalamic-Pituitary-Adrenal Axis and Restricts Anxiety After Acute Stress. <i>Biological Psychiatry</i> , 2012, 72, 457-465.	0.7	196
5	Food for thought: how nutrition impacts cognition and emotion. <i>Npj Science of Food</i> , 2017, 1, 7.	2.5	154
6	Medial prefrontal cortex control of the paraventricular hypothalamic nucleus response to psychological stress: Possible role of the bed nucleus of the stria terminalis. <i>Journal of Comparative Neurology</i> , 2005, 481, 363-376.	0.9	151
7	High-fat diet and aging interact to produce neuroinflammation and impair hippocampal- and amygdalar-dependent memory. <i>Neurobiology of Aging</i> , 2017, 58, 88-101.	1.5	138
8	The glucocorticoid contribution to obesity. <i>Stress</i> , 2011, 14, 233-246.	0.8	114
9	Microglia: Key players in neurodevelopment and neuronal plasticity. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 94, 56-60.	1.2	104
10	Ghrelin's Role in the Hypothalamic-Pituitary-Adrenal Axis Stress Response: Implications for Mood Disorders. <i>Biological Psychiatry</i> , 2015, 78, 19-27.	0.7	103
11	Early life immune challenge's effects on behavioural indices of adult rat fear and anxiety. <i>Behavioural Brain Research</i> , 2005, 164, 231-238.	1.2	102
12	Early-Life Immune Challenge: Defining a Critical Window for Effects on Adult Responses to Immune Challenge. <i>Neuropsychopharmacology</i> , 2006, 31, 1910-1918.	2.8	98
13	Thalamic paraventricular nucleus lesions facilitate central amygdala neuronal responses to acute psychological stress. <i>Brain Research</i> , 2004, 997, 234-237.	1.1	93
14	Early Life Activation of Toll-Like Receptor 4 Reprograms Neural Anti-Inflammatory Pathways. <i>Journal of Neuroscience</i> , 2010, 30, 7975-7983.	1.7	74
15	Neonatal overfeeding alters adult anxiety and stress responsiveness. <i>Psychoneuroendocrinology</i> , 2009, 34, 1133-1143.	1.3	73
16	Neonatal programming of innate immune function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E11-E18.	1.8	72
17	Neonatal immune challenge alters nociception in the adult rat. <i>Pain</i> , 2005, 119, 133-141.	2.0	70
18	Neonatal overfeeding alters hypothalamic microglial profiles and central responses to immune challenge long-term. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 32-43.	2.0	63

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19	The impact of obesity and hypercaloric diet consumption on anxiety and emotional behavior across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 173-182.	2.9	59
20	Peripheral Inflammation Exacerbates Damage After Global Ischemia Independently of Temperature and Acute Brain Inflammation. <i>Stroke</i> , 2007, 38, 1570-1577.	1.0	55
21	Postnatal Overfeeding Leads to Obesity and Exacerbated Febrile Responses to Lipopolysaccharide Throughout Life. <i>Journal of Neuroendocrinology</i> , 2012, 24, 511-524.	1.2	54
22	Perinatal programming of neuroendocrine mechanisms connecting feeding behavior and stress. <i>Frontiers in Neuroscience</i> , 2013, 7, 109.	1.4	54
23	Early Life Programming of Obesity: The Impact of the Perinatal Environment on the Development of Obesity and Metabolic Dysfunction in the Offspring.. <i>Current Diabetes Reviews</i> , 2012, 8, 55-68.	0.6	52
24	Perinatal programming by inflammation. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 1-7.	2.0	52
25	High-fat diet worsens the impact of aging on microglial function and morphology in a region-specific manner. <i>Neurobiology of Aging</i> , 2019, 74, 121-134.	1.5	52
26	Gender inequality in publishing during the COVID-19 pandemic. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 1-3.	2.0	50
27	Diet-induced obesity causes ghrelin resistance in reward processing tasks. <i>Psychoneuroendocrinology</i> , 2015, 62, 114-120.	1.3	49
28	Linking Stress and Infertility: A Novel Role for Ghrelin. <i>Endocrine Reviews</i> , 2017, 38, 432-467.	8.9	47
29	Understanding the role of P2X7 in affective disorders—are glial cells the major players?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 258.	1.8	46
30	The Role of Intestinal Macrophages in Gastrointestinal Homeostasis: Heterogeneity and Implications in Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1701-1718.	2.3	46
31	Early life overfeeding impairs spatial memory performance by reducing microglial sensitivity to learning. <i>Journal of Neuroinflammation</i> , 2016, 13, 112.	3.1	44
32	Conditional microglial depletion in rats leads to reversible anorexia and weight loss by disrupting gustatory circuitry. <i>Brain, Behavior, and Immunity</i> , 2019, 77, 77-91.	2.0	44
33	Rat Neonatal Immune Challenge Alters Adult Responses to Cerebral Ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 456-467.	2.4	43
34	Neonatal immune challenge does not affect body weight regulation in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R581-R589.	0.9	42
35	Efficacy of post-insult minocycline administration to alter long-term hypoxia-ischemia-induced damage to the serotonergic system in the immature rat brain. <i>Neuroscience</i> , 2011, 182, 184-192.	1.1	42
36	Effects of Neonatal Overfeeding on Juvenile and Adult Feeding and Energy Expenditure in the Rat. <i>PLoS ONE</i> , 2012, 7, e52130.	1.1	42

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37	Microglia depletion fails to abrogate inflammation-induced sickness in mice and rats. <i>Journal of Neuroinflammation</i> , 2020, 17, 172.	3.1	42
38	Prewearing Over- and Underfeeding Alters Onset of Puberty in the Rat Without Affecting Kisspeptin1. <i>Biology of Reproduction</i> , 2012, 86, 145, 1-8.	1.2	41
39	Neonatal overfeeding induces early decline of the ovarian reserve: Implications for the role of leptin. <i>Molecular and Cellular Endocrinology</i> , 2016, 431, 24-35.	1.6	39
40	Ghrelin and hypothalamic NPY/AgRP expression in mice are affected by chronic early-life stress exposure in a sex-specific manner. <i>Psychoneuroendocrinology</i> , 2017, 86, 73-77.	1.3	39
41	Long term alterations in neuroimmune responses of female rats after neonatal exposure to lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 325-330.	2.0	38
42	Postnatal programming of the innate immune response. <i>Integrative and Comparative Biology</i> , 2009, 49, 237-245.	0.9	36
43	Neural and humoral changes associated with the adjustable gastric band: insights from a rodent model. <i>International Journal of Obesity</i> , 2012, 36, 1403-1411.	1.6	36
44	One size does not fit all – Patterns of vulnerability and resilience in the COVID-19 pandemic and why heterogeneity of disease matters. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 1-3.	2.0	36
45	Des-Acyl Ghrelin and Ghrelin O-Acyltransferase Regulate Hypothalamic-Pituitary-Adrenal Axis Activation and Anxiety in Response to Acute Stress. <i>Endocrinology</i> , 2016, 157, 3946-3957.	1.4	35
46	Glial remodeling enhances short-term memory performance in Wistar rats. <i>Journal of Neuroinflammation</i> , 2020, 17, 52.	3.1	33
47	Blocked, delayed, or obstructed: What causes poor white matter development in intrauterine growth restricted infants?. <i>Progress in Neurobiology</i> , 2017, 154, 62-77.	2.8	32
48	Differential involvement of rat medial prefrontal cortex dopamine receptors in modulation of hypothalamic- pituitary-adrenal axis responses to different stressors. <i>European Journal of Neuroscience</i> , 2004, 20, 1008-1016.	1.2	31
49	Central and peripheral neuroimmune responses: hyporesponsiveness during pregnancy. <i>Journal of Physiology</i> , 2008, 586, 399-406.	1.3	30
50	Microglial ablation in rats disrupts the circadian system. <i>FASEB Journal</i> , 2021, 35, e21195.	0.2	30
51	Neuroimmunology of the female brain across the lifespan: Plasticity to psychopathology. <i>Brain, Behavior, and Immunity</i> , 2019, 79, 39-55.	2.0	29
52	Neonatal immune challenge exacerbates experimental colitis in adult rats: potential role for TNF- α . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R308-R315.	0.9	28
53	The Role of Ghrelin in Neuroprotection after Ischemic Brain Injury. <i>Brain Sciences</i> , 2013, 3, 344-359.	1.1	28
54	Perinatal nutrition programs neuroimmune function long-term: mechanisms and implications. <i>Frontiers in Neuroscience</i> , 2013, 7, 144.	1.4	28

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55	Ghrelin-Related Peptides Exert Protective Effects in the Cerebral Circulation of Male Mice Through a Nonclassical Ghrelin Receptor(s). <i>Endocrinology</i> , 2015, 156, 280-290.	1.4	28
56	Effects of mild calorie restriction on anxiety and hypothalamic-pituitary-adrenal axis responses to stress in the male rat. <i>Physiological Reports</i> , 2014, 2, e00265.	0.7	27
57	Diet, behavior and immunity across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 58, 46-62.	2.9	26
58	Neonatal Programming by Neuroimmune Challenge: Effects on Responses and Tolerance to Septic Doses of Lipopolysaccharide in Adult Male and Female Rats. <i>Journal of Neuroendocrinology</i> , 2010, 22, 272-281.	1.2	25
59	Role of catecholaminergic inputs to the medial prefrontal cortex in local and subcortical expression of Fos after psychological stress. <i>Journal of Neuroscience Research</i> , 2004, 78, 279-288.	1.3	24
60	Neonatal overfeeding attenuates acute central pro-inflammatory effects of short-term high fat diet. <i>Frontiers in Neuroscience</i> , 2015, 8, 446.	1.4	24
61	Protective actions of des-acylated ghrelin on brain injury and blood-brain barrier disruption after stroke in mice. <i>Clinical Science</i> , 2016, 130, 1545-1558.	1.8	24
62	Overfeeding during a critical postnatal period exacerbates hypothalamic-pituitary-adrenal axis responses to immune challenge: a role for adrenal melanocortin 2 receptors. <i>Scientific Reports</i> , 2016, 6, 21097.	1.6	24
63	Early life disruption to the ghrelin system with over-eating is resolved in adulthood in male rats. <i>Neuropharmacology</i> , 2017, 113, 21-30.	2.0	23
64	Effects of exercise on adolescent and adult hypothalamic and hippocampal neuroinflammation. <i>Hippocampus</i> , 2016, 26, 1435-1446.	0.9	22
65	Hypothalamic effects of neonatal diet: reversible and only partially leptin dependent. <i>Journal of Endocrinology</i> , 2017, 234, 41-56.	1.2	22
66	Anxiety and hypothalamic-pituitary-adrenal axis responses to psychological stress are attenuated in male rats made lean by large litter rearing. <i>Psychoneuroendocrinology</i> , 2011, 36, 1080-1091.	1.3	21
67	Endogenous ghrelin's role in hippocampal neuroprotection after global cerebral ischemia: does endogenous ghrelin protect against global stroke?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R980-R990.	0.9	21
68	Increased hypothalamic microglial activation after viral-induced pneumococcal lung infection is associated with excess serum amyloid A production. <i>Journal of Neuroinflammation</i> , 2018, 15, 200.	3.1	19
69	Emerging roles of extracellular vesicles in the intercellular communication for exercise-induced adaptations. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E320-E329.	1.8	19
70	Effects of Global Cerebral Ischemia in the Pregnant Rat. <i>Stroke</i> , 2008, 39, 975-982.	1.0	18
71	Hormonal and nutritional regulation of postnatal hypothalamic development. <i>Journal of Endocrinology</i> , 2018, 237, R47-R64.	1.2	18
72	Microglial regulation of satiety and cognition. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12838.	1.2	18

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73	Acupuncture: A Promising Approach for Comorbid Depression and Insomnia in Perimenopause. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1823-1863.	1.4	18
74	Western Diet Chow Consumption in Rats Induces Striatal Neuronal Activation While Reducing Dopamine Levels without Affecting Spatial Memory in the Radial Arm Maze. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 22.	1.0	16
75	Being Suckled in a Large Litter Mitigates the Effects of Early Life Stress on Hypothalamic-Pituitary-Adrenal Axis Function in the Male Rat. <i>Journal of Neuroendocrinology</i> , 2013, 25, 792-802.	1.2	15
76	Acylated Ghrelin Supports the Ovarian Transcriptome and Follicles in the Mouse: Implications for Fertility. <i>Frontiers in Endocrinology</i> , 2018, 9, 815.	1.5	15
77	Neurohypophysial peptides: gatekeepers in the amygdala. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 343-344.	3.1	13
78	Neonatal overfeeding disrupts pituitary ghrelin signalling in female rats long-term; Implications for the stress response. <i>PLoS ONE</i> , 2017, 12, e0173498.	1.1	13
79	Acylated ghrelin suppresses the cytokine response to lipopolysaccharide and does so independently of the hypothalamic-pituitary-adrenal axis. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 86-95.	2.0	12
80	The role of microglia in the second and third postnatal weeks of life in rat hippocampal development and memory. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 675-687.	2.0	12
81	Maternal diet before and during pregnancy modulates microglial activation and neurogenesis in the postpartum rat brain. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 185-197.	2.0	12
82	Obesity after neonatal overfeeding is independent of hypothalamic microgliosis. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12757.	1.2	11
83	Neonatal overfeeding by small litter rearing sensitises hippocampal microglial responses to immune challenge: Reversal with neonatal repeated injections of saline or minocycline. <i>Journal of Neuroendocrinology</i> , 2017, 29, e12540.	1.2	10
84	Hyperleptinemia in Neonatally Overfed Female Rats Does Not Dysregulate Feeding Circuitry. <i>Frontiers in Endocrinology</i> , 2017, 8, 287.	1.5	10
85	Chronic predator stress in female mice reduces primordial follicle numbers: implications for the role of ghrelin. <i>Journal of Endocrinology</i> , 2019, 241, 201-219.	1.2	10
86	Systemic apomorphine alters HPA axis responses to interleukin-1 β administration but not sound stress. <i>Psychoneuroendocrinology</i> , 2003, 28, 715-732.	1.3	9
87	Cigarette Smoke Exposure Induces Neurocognitive Impairments and Neuropathological Changes in the Hippocampus. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	1.4	9
88	Psychoneuroimmunology goes East: Development of the PNIRS affiliate and its expansion into PNIRS. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 75-87.	2.0	8
89	Ovarian follicles are resistant to monocyte perturbations—implications for ovarian health with immune disruption. <i>Biology of Reproduction</i> , 2021, 105, 100-112.	1.2	8
90	Novel pharmacological strategies to treat cognitive dysfunction in chronic obstructive pulmonary disease. , 2022, 233, 108017.		8

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91	Neonatal overfeeding increases capacity for catecholamine biosynthesis from the adrenal gland acutely and long-term in the male rat. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 295-303.	1.6	7
92	Early life stress and metabolism. <i>Current Opinion in Behavioral Sciences</i> , 2019, 28, 25-30.	2.0	7
93	High Maternal Omega-3 Supplementation Dysregulates Body Weight and Leptin in Newborn Male and Female Rats: Implications for Hypothalamic Developmental Programming. <i>Nutrients</i> , 2021, 13, 89.	1.7	5
94	Validation of quantitative magnetic resonance as a non-invasive measure of body composition in an Australian microbat. <i>Australian Mammalogy</i> , 2021, 43, 196.	0.7	4
95	Whatâ€™s in a name? How about being listed in the â€œPsychiatryâ€ category in Clarivateâ€™s Journal Citation Index!. <i>Brain, Behavior, and Immunity</i> , 2019, 78, 3-4.	2.0	3
96	Consequences of early life overfeeding for microglia â€“ Perspectives from rodent models. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 256-261.	2.0	3
97	Monocyte perturbation modulates the ovarian response to an immune challenge. <i>Molecular and Cellular Endocrinology</i> , 2021, 536, 111418.	1.6	3
98	Delayed Spatial Win-shift Test on Radial Arm Maze. <i>Bio-protocol</i> , 2016, 6, .	0.2	2
99	The Role of Acupuncture in the Management of Insomnia as a Major or Residual Symptom Among Patients With Active or Previous Depression: A Systematic Review and Meta-Analysis. <i>Frontiers in Psychiatry</i> , 2022, 13, 863134.	1.3	2
100	How Stress Can (Sometimes) Make Us Eat More. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	1
101	Long-term role of neonatal microglia and monocytes in ovarian health. <i>Journal of Endocrinology</i> , 2022, 254, 103-119.	1.2	1
102	Cover Image, Volume 26, Issue 11. <i>Hippocampus</i> , 2016, 26, C1-C1.	0.9	0
103	Effects of exercise on adolescent and adult hypothalamic and hippocampal neuroinflammation. <i>Hippocampus</i> , 2018, 28, 312-312.	0.9	0
104	How Food Can Change a Babyâ€™s Brain. <i>Frontiers for Young Minds</i> , 2018, 6, .	0.8	0
105	Babyâ€™s genes may bear the consequences of Mumâ€™s distress. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 153-154.	2.0	0
106	Targeting Central Inflammation to Combat Obesity and Obesity-related Cognitive Dysfunction - NHMRC. <i>Impact</i> , 2019, 2019, 15-17.	0.0	0
107	Chrelin Plays a Role in Various Physiological and Pathophysiological Brain Functions. <i>Receptors</i> , 2014, , 191-204.	0.2	0
108	Perinatal and Postnatal Determinants of Brain Development: Recent Studies and Methodological Advances. <i>NeuroMethods</i> , 2016, , 189-201.	0.2	0

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109	Curcumin-nanodiamond-silk wound dressings for sensing infection. , 2019, , .		0