Farida Sohrabji

List of Publications by Year
in descending order

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95	6,127	94433 37	71685 76
papers	citations	h-index	g-index

97	97	97	6151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of a putative estrogen response element in the gene encoding brain-derived neurotrophic factor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11110-11114.	7.1	501
2	Estrogen receptors colocalize with low-affinity nerve growth factor receptors in cholinergic neurons of the basal forebrain.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 4668-4672.	7.1	429
3	Selective impairment of song learning following lesions of a forebrain nucleus in the juvenile zebra finch. Behavioral and Neural Biology, 1990, 53, 51-63.	2.2	397
4	Considering sex as a biological variable in preclinical research. FASEB Journal, 2017, 31, 29-34.	0.5	285
5	Neuronal colocalization of mRNAs for neurotrophins and their receptors in the developing central nervous system suggests a potential for autocrine interactions.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 6439-6443.	7.1	242
6	Estrogenâ€“BDNF interactions: Implications for neurodegenerative diseases. Frontiers in Neuroendocrinology, 2006, 27, 404-414.	5.2	238
7	An Antagomir to MicroRNA Let7f Promotes Neuroprotection in an Ischemic Stroke Model. PLoS ONE, 2012, 7, e32662.	2.5	212
8	Sex differences in the brain: Implications for behavioral and biomedical research. Neuroscience and Biobehavioral Reviews, 2018, 85, 126-145.	6.1	170
9	17Î²-Estradiol Differentially Regulates Blood-Brain Barrier Permeability in Young and Aging Female Rats. Endocrinology, 2004, 145, 5471-5475.	2.8	144
10	Reciprocal regulation of estrogen and NGF receptors by their ligands in PC12 cells. Journal of Neurobiology, 1994, 25, 974-988.	3.6	143
11	Fas/Apo [Apoptosis]-1 and Associated Proteins in the Differentiating Cerebral Cortex: Induction of Caspase-Dependent Cell Death and Activation of NF-ÎºB. Journal of Neuroscience, 1999, 19, 1754-1770.	3.6	138
12	Why estrogens matter for behavior and brain health. Neuroscience and Biobehavioral Reviews, 2017, 76, 363-379.	6.1	123
13	Reproductive age modulates the impact of focal ischemia on the forebrain as well as the effects of estrogen treatment in female rats. Neurobiology of Aging, 2010, 31, 1618-1628.	3.1	122
14	Vitamin D Deficiency Exacerbates Experimental Stroke Injury and Dysregulates Ischemia-Induced Inflammation in Adult Rats. Endocrinology, 2012, 153, 2420-2435.	2.8	119
15	The Neurotoxic Effects of Estrogen on Ischemic Stroke in Older Female Rats Is Associated with Age-Dependent Loss of Insulin-Like Growth Factor-1. Journal of Neuroscience, 2010, 30, 6852-6861.	3.6	117
16	Sex differences in stroke: Review of current knowledge and evidence. Vascular Medicine, 2017, 22, 135-145.	1.5	108
17	Interactions of Estrogen with the Neurotrophins and Their Receptors during Neural Development. Hormones and Behavior, 1994, 28, 367-375.	2.1	104
18	The histone deacetylase inhibitor, sodium butyrate, exhibits neuroprotective effects for ischemic stroke in middle-aged female rats. Journal of Neuroinflammation, 2016, 13, 300.	7.2	104

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19	Region- and peptide-specific regulation of the neurotrophins by estrogen. Molecular Brain Research, 2000, 85, 77-84.	2.3	102
20	Effects of estrogen receptor agonists on regulation of the inflammatory response in astrocytes from young adult and middle-aged female rats. Journal of Neuroimmunology, 2008, 195, 47-59.	2.3	97
21	Presumptive Estrogen Target Neurons Express mRNAs for both the Neurotrophins and Neurotrophin Receptors: A Basis for Potential Developmental Interactions of Estrogen with the Neurotrophins. Molecular and Cellular Neurosciences, 1993, 4, 510-525.	2.2	93
22	Vascular and metabolic dysfunction in Alzheimer's disease: a review. Experimental Biology and Medicine, 2011, 236, 772-782.	2.4	93
23	Circulating miRNA profiles provide a biomarker for severity of stroke outcomes associated with age and sex in a rat model. Clinical Science, 2014, 127, 77-89.	4.3	90
24	Blood Brain Barrier and Neuroinflammation Are Critical Targets of IGF-1-Mediated Neuroprotection in Stroke for Middle-Aged Female Rats. PLoS ONE, 2014, 9, e91427.	2.5	82
25	Differential effects of estrogen in the injured forebrain of young adult and reproductive senescent animals. Neurobiology of Aging, 2003, 24, 733-743.	3.1	79
26	Reproductive age-related changes in the blood brain barrier: Expression of IgG and tight junction proteins. Microvascular Research, 2009, 78, 413-424.	2.5	71
27	Astrocytic response to cerebral ischemia is influenced by sex differences and impaired by aging. Neurobiology of Disease, 2016, 85, 245-253.	4.4	71
28	Alcohol exposure during the first two trimesters equivalent alters granule cell number and neurotrophin expression in the developing rat olfactory bulb. , 1999, 41, 414-423.		67
29	Sex differences in stroke therapies. Journal of Neuroscience Research, 2017, 95, 681-691.	2.9	64
30	Estrogen-IGF-1 interactions in neuroprotection: Ischemic stroke as a case study. Frontiers in Neuroendocrinology, 2015, 36, 1-14.	5.2	61
31	Age-related changes in brain support cells: Implications for stroke severity. Neurochemistry International, 2013, 63, 291-301.	3.8	58
32	Histone methylation patterns in astrocytes are influenced by age following ischemia. Epigenetics, 2015, 10, 142-152.	2.7	57
33	Nerve growth factor (NGF) regulation of estrogen receptors in explant cultures of the developing forebrain. , 1996, 31, 77-87.		54
34	Projections of androgen-accumulating neurons in a nucleus controlling avian song. Brain Research, 1989, 488, 253-259.	2.2	52
35	The promises and pitfalls of sex difference research. Frontiers in Neuroendocrinology, 2020, 56, 100817.	5.2	50
36	Expression of Brain-Derived Neurotrophic Factor and Its Cognate Receptor, TrkB, in the Rat Suprachiasmatic Nucleus. Experimental Neurology, 1998, 151, 184-193.	4.1	46

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37	Estrogen's effects on central and circulating immune cells vary with reproductive age. Neurobiology of Aging, 2005, 26, 1365-1374.	3.1	45
38	Astrocyteâ€specific insulinâ€like growth factorâ€1 gene transfer in aging female rats improves stroke outcomes. Glia, 2017, 65, 1043-1058.	4.9	45
39	Stroke Neuroprotection: Oestrogen and <scp>Insulinâ€Like Growth Factor</scp>â€1 Interactions and the Role of Microglia. Journal of Neuroendocrinology, 2013, 25, 1173-1181.	2.6	43
40	Insulin-Like Growth Factor (IGF)-I Modulates Endothelial Blood-Brain Barrier Function in Ischemic Middle-Aged Female Rats. Endocrinology, 2016, 157, 61-69.	2.8	38
41	Prospects of modeling poststroke epileptogenesis. Journal of Neuroscience Research, 2017, 95, 1000-1016.	2.9	38
42	Sex differences in stroke co-morbidities. Experimental Neurology, 2020, 332, 113384.	4.1	38
43	Temporal expression of IL-1Î² protein and mRNA in the brain after systemic LPS injection is affected by age and estrogen. Journal of Neuroimmunology, 2006, 174, 82-91.	2.3	37
44	Mir363-3p improves ischemic stroke outcomes in female but not male rats. Neurochemistry International, 2017, 107, 168-181.	3.8	37
45	Estrogen: A Neuroprotective or Proinflammatory Hormone? Emerging Evidence from Reproductive Aging Models. Annals of the New York Academy of Sciences, 2005, 1052, 75-90.	3.8	36
46	Reproductive Senescence and Ischemic Stroke Remodel the Gut Microbiome and Modulate the Effects of Estrogen Treatment in Female Rats. Translational Stroke Research, 2020, 11, 812-830.	4.2	36
47	Estrogen Enhances Retrograde Transport of Brain-Derived Neurotrophic Factor in the Rodent Forebrain. Endocrinology, 2003, 144, 5022-5029.	2.8	35
48	Characterization of neurons born and incorporated into a vocal control nucleus during avian song learning. Brain Research, 1993, 620, 335-338.	2.2	34
49	Local and cortical effects of olfactory bulb lesions on trophic support and cholinergic function and their modulation by estrogen. Journal of Neurobiology, 2000, 45, 61-74.	3.6	34
50	Sex differences in stroke outcome correspond to rapid and severe changes in gut permeability in adult Sprague-Dawley rats. Biology of Sex Differences, 2021, 12, 14.	4.1	31
51	Guarding the Bloodâ€“Brain Barrier: A Role for Estrogen in the Etiology of Neurodegenerative Disease. Gene Expression, 2006, 13, 311-319.	1.2	30
52	Sex hormones and stroke: Beyond estrogens. Hormones and Behavior, 2019, 111, 87-95.	2.1	30
53	Developmental and hormonal regulation of NR2A mRNA in forebrain regions controlling avian vocal learning. Journal of Neurobiology, 2002, 51, 149-159.	3.6	29
54	Ethanol Regulates Angiogenic Cytokines During Neural Development: Evidence From an in Vitro Model of Mitogenâ€Withdrawalâ€“Induced Cerebral Cortical Neuroepithelial Differentiation. Alcoholism: Clinical and Experimental Research, 2007, 31, 324-335.	2.4	29

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55	Age-related severity of focal ischemia in female rats is associated with impaired astrocyte function. Neurobiology of Aging, 2012, 33, 1123.e1-1123.e16.	3.1	29
56	Sex and the Lab: An Alcoholâ€Focused Commentary on the <scp>NIH</scp> Initiative to Balance Sex in Cell and Animal Studies. Alcoholism: Clinical and Experimental Research, 2016, 40, 1182-1191.	2.4	28
57	Morphine increases macrophages at the lesion site following spinal cord injury: Protective effects of minocycline. Brain, Behavior, and Immunity, 2019, 79, 125-138.	4.1	28
58	Insulin-like Growth Factor (IGF)-1 treatment stabilizes the microvascular cytoskeleton under ischemic conditions. Experimental Neurology, 2019, 311, 162-172.	4.1	28
59	Age-Related Changes in Neuroprotection: Is Estrogen Pro-inflammatory for the Reproductive Senescent Brain?. Endocrine, 2006, 29, 191-198.	2.2	26
60	Fetal Alcohol Exposure Alters Blood Flow and Neurological Responses to Transient Cerebral Ischemia in Adult Mice. Alcoholism: Clinical and Experimental Research, 2017, 41, 117-127.	2.4	25
61	Mir363-3p attenuates post-stroke depressive-like behaviors in middle-aged female rats. Brain, Behavior, and Immunity, 2019, 78, 31-40.	4.1	25
62	Sex Differences in the Impact of Shift Work Schedules on Pathological Outcomes in an Animal Model of Ischemic Stroke. Endocrinology, 2016, 157, 2836-2843.	2.8	21
63	Prenatal alcohol-induced sex differences in immune, metabolic and neurobehavioral outcomes in adult rats. Brain, Behavior, and Immunity, 2021, 98, 86-100.	4.1	21
64	The neurotrophin receptor p75NTR mediates early anti-inflammatory effects of estrogen in the forebrain of young adult rats. BMC Neuroscience, 2005, 6, 58.	1.9	20
65	Stroke triggers nigrostriatal plasticity and increases alcohol consumption in rats. Scientific Reports, 2017, 7, 2501.	3.3	20
66	Sex differences in miRNA as therapies for ischemic stroke. Neurochemistry International, 2019, 127, 56-63.	3.8	20
67	NGF Stimulation Increases JNK2 Phosphorylation and Reduces Caspase-3 Activity in the Olfactory Bulb of Estrogen-Replaced Animals. Endocrinology, 2001, 142, 2401-2404.	2.8	19
68	Revisiting the timing hypothesis: Biomarkers that define the therapeutic window of estrogen for stroke. Hormones and Behavior, 2013, 63, 222-230.	2.1	19
69	Estrogen Receptor-Î± Overexpression Suppresses 17Î²-Estradiol-Mediated Vascular Endothelial Growth Factor Expression and Activation of Survival Kinases. Endocrinology, 2008, 149, 3881-3889.	2.8	17
70	New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. Frontiers in Aging Neuroscience, 2021, 13, 623751.	3.4	17
71	Adverse effects of incorporating ketoprofen into established rodent studies. Journal of the American Association for Laboratory Animal Science, 2008, 47, 20-4.	1.2	17
72	Impact of intestinal disorders on central and peripheral nervous system diseases. Neurobiology of Disease, 2022, 165, 105627.	4.4	17

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73	Gonadal hormones and stroke risk: PCOS as a case study. Frontiers in Neuroendocrinology, 2020, 58, 100853.	5.2	14
74	Mir363-3p Treatment Attenuates Long-Term Cognitive Deficits Precipitated by an Ischemic Stroke in Middle-Aged Female Rats. Frontiers in Aging Neuroscience, 2020, 12, 586362.	3.4	13
75	NGF Stimulation Increases JNK2 Phosphorylation and Reduces Caspase-3 Activity in the Olfactory Bulb of Estrogen-Replaced Animals. Endocrinology, 2001, 142, 2401-2401.	2.8	12
76	A high cholesterol diet elevates hippocampal cytokine expression in an age and estrogen-dependent manner in female rats. Journal of Neuroimmunology, 2010, 223, 31-38.	2.3	11
77	Functional Assessment of Stroke-Induced Regulation of miR-20a-3p and Its Role as a Neuroprotectant. Translational Stroke Research, 2022, 13, 432-448.	4.2	11
78	Chapter 2. Gonadal Steroid Receptors: Possible Roles in the Etiology and Therapy of Cognitive and Neurological Disorders. Annual Reports in Medicinal Chemistry, 1996, 31, 11-20.	0.9	8
79	Astrocytes from acyclic female rats exhibit lowered capacity for neuronal differentiation. Aging Cell, 2008, 7, 836-849.	6.7	8
80	Hormone replacement: therapeutic strategies in the treatment of Alzheimerâ€™s disease and ageing-related cognitive disorders. Expert Opinion on Therapeutic Patents, 1997, 7, 611-629.	5.0	5
81	Premenopausal Oophorectomy and the Risk for Dementia. Women's Health, 2008, 4, 127-131.	1.5	5
82	Sex Differences in Neurological Diseases. , 2016, , 297-323.		4
83	Sex differences in the diathetic effects of shift work schedules on circulating cytokine levels and pathological outcomes of ischemic stroke during middle age. Neurobiology of Sleep and Circadian Rhythms, 2022, 13, 100079.	2.8	3
84	Cerebrovascular Stroke. , 2015, , 125-141.		2
85	Neurodegeneration in women. Alcohol Research, 2002, 26, 316-8.	1.0	2
86	Activation of G protein-coupled estrogen receptor fine-tunes age-related decreased vascular activities in the aortae of female and male rats. Steroids, 2022, 183, 108997.	1.8	2
87	Estrogen Differentially Regulates Estrogen and Nerve Growth Factor Receptor mRNAs in Adult Sensory Neurons. Obstetrical and Gynecological Survey, 1994, 49, 495-497.	0.4	1
88	Age and sex differences in post-ischemic outcome and therapy. Neurochemistry International, 2019, 127, 104472.	3.8	1
89	Editorial. Hormones and Behavior, 2013, 63, 191-192.	2.1	0
90	New directions in behavioral neuroscience: Sometimes old is new. Neuroscience and Biobehavioral Reviews, 2021, 125, 108-109.	6.1	0

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91	The Impact of Aging on Ischemic Stroke. , 2016, , 161-196.		0
92	Abstract TMP33: Repair of Ischemic Intestinal Epithelial Stem Cells: Potential Therapy to Improve Stroke Outcomes. Stroke, 2020, 51, .	2.0	0
93	Sex Differences in the Long-Term Consequences of Stroke. Current Topics in Behavioral Neurosciences, 2022, , 1.	1.7	0
94	June Literature Synopsis. Stroke, 2022, 53, .	2.0	0
95	August Literature Synopsis. Stroke, 0, , .	2.0	0