

# Meharvan Singh

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

4,859

citations

36

h-index

69

g-index

74

ext. papers

5,227

ext. citations

4.4

avg, IF

5.55

L-index

#	Paper	IF	Citations
69	ER-X: a novel, plasma membrane-associated, putative estrogen receptor that is regulated during development and after ischemic brain injury. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 8391-401	6.6	476
68	Estrogen-induced activation of mitogen-activated protein kinase in cerebral cortical explants: convergence of estrogen and neurotrophin signaling pathways. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 1179-88	6.6	426
67	Ovarian steroid deprivation results in a reversible learning impairment and compromised cholinergic function in female Sprague-Dawley rats. <i>Brain Research</i> , <b>1994</b> , 644, 305-12	3.7	419
66	Novel mechanisms of estrogen action in the brain: new players in an old story. <i>Frontiers in Neuroendocrinology</i> , <b>1999</b> , 20, 97-121	8.9	362
65	Sex differences in cognitive impairment and Alzheimer's disease. <i>Frontiers in Neuroendocrinology</i> , <b>2014</b> , 35, 385-403	8.9	252
64	Estrogen-induced activation of the mitogen-activated protein kinase cascade in the cerebral cortex of estrogen receptor-alpha knock-out mice. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 1694-700	6.6	232
63	Role of estrogen replacement therapy in memory enhancement and the prevention of neuronal loss associated with Alzheimer's disease. <i>American Journal of Medicine</i> , <b>1997</b> , 103, 19S-25S	2.4	212
62	Ovarian hormones elicit phosphorylation of Akt and extracellular-signal regulated kinase in explants of the cerebral cortex. <i>Endocrine</i> , <b>2001</b> , 14, 407-15		159
61	Progesterone increases brain-derived neurotrophic factor expression and protects against glutamate toxicity in a mitogen-activated protein kinase- and phosphoinositide-3 kinase-dependent manner in cerebral cortical explants. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 2441-9	4.4	130
60	The potential role for estrogen replacement therapy in the treatment of the cognitive decline and neurodegeneration associated with Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>1994</b> , 15 Suppl 2, S195-7	5.6	126
59	Matrix metalloproteinase-9 in cerebral aneurysms. <i>Neurosurgery</i> , <b>1997</b> , 41, 642-66; discussion 646-7	3.2	110
58	Progesterone and neuroprotection. <i>Hormones and Behavior</i> , <b>2013</b> , 63, 284-90	3.7	105
57	Dihydrotestosterone differentially modulates the mitogen-activated protein kinase and the phosphoinositide 3-kinase/Akt pathways through the nuclear and novel membrane androgen receptor in C6 cells. <i>Endocrinology</i> , <b>2006</b> , 147, 2028-34	4.8	93
56	Novel mechanisms for estrogen-induced neuroprotection. <i>Experimental Biology and Medicine</i> , <b>2006</b> , 231, 514-21	3.7	83
55	Estrogens and progesterone as neuroprotectants: what animal models teach us. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 1083-9	2.8	76
54	Constitutive GABAA receptor endocytosis is dynamin-mediated and dependent on a dileucine AP2 adaptin-binding motif within the beta 2 subunit of the receptor. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 24046-52	5.4	75
53	Non-genomic mechanisms of progesterone action in the brain. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 159	5.1	72

52	Progesterone increases the release of brain-derived neurotrophic factor from glia via progesterone receptor membrane component 1 (Pgrmc1)-dependent ERK5 signaling. <i>Endocrinology</i> , <b>2012</b> , 153, 4389-400	4.8	71
51	Neuroprotection and estrogen receptors. <i>Neuroendocrinology</i> , <b>2012</b> , 96, 119-30	5.6	68
50	Activation of a membrane-associated androgen receptor promotes cell death in primary cortical astrocytes. <i>Endocrinology</i> , <b>2007</b> , 148, 2458-64	4.8	68
49	The differences in neuroprotective efficacy of progesterone and medroxyprogesterone acetate correlate with their effects on brain-derived neurotrophic factor expression. <i>Endocrinology</i> , <b>2009</b> , 150, 3162-8	4.8	61
48	Progesterone-induced neuroprotection. <i>Endocrine</i> , <b>2006</b> , 29, 271-4		57
47	More than a decade of estrogen neuroprotection. <i>Alzheimer's and Dementia</i> , <b>2008</b> , 4, S131-6	1.2	55
46	Risk factors for mild cognitive impairment among Mexican Americans. <i>Alzheimer's and Dementia</i> , <b>2013</b> , 9, 622-631.e1	1.2	54
45	Biomarkers of vascular risk, systemic inflammation, and microvascular pathology and neuropsychiatric symptoms in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2013</b> , 35, 363-71	4.3	54
44	The potential for estrogens in preventing Alzheimer's disease and vascular dementia. <i>Therapeutic Advances in Neurological Disorders</i> , <b>2009</b> , 2, 31-49	6.6	52
43	PKC modulation of GABAA receptor endocytosis and function is inhibited by mutation of a dileucine motif within the receptor beta 2 subunit. <i>Neuropharmacology</i> , <b>2005</b> , 48, 181-94	5.5	52
42	Oxidative stress defines the neuroprotective or neurotoxic properties of androgens in immortalized female rat dopaminergic neuronal cells. <i>Endocrinology</i> , <b>2013</b> , 154, 4281-92	4.8	50
41	Nerve growth factor (NGF) regulation of estrogen receptors in explant cultures of the developing forebrain. <i>Journal of Neurobiology</i> , <b>1996</b> , 31, 77-87		47
40	Progesterone, brain-derived neurotrophic factor and neuroprotection. <i>Neuroscience</i> , <b>2013</b> , 239, 84-91	3.9	45
39	Estradiol-induced phosphorylation of ERK1/2 in explants of the mouse cerebral cortex: the roles of heat shock protein 90 (Hsp90) and MEK2. <i>Journal of Neurobiology</i> , <b>2002</b> , 50, 1-12		45
38	Estradiol (E2) elicits SRC phosphorylation in the mouse neocortex: the initial event in E2 activation of the MAPK cascade?. <i>Endocrinology</i> , <b>2001</b> , 142, 5145-8	4.8	42
37	Mechanisms of progesterone-induced neuroprotection. <i>Annals of the New York Academy of Sciences</i> , <b>2005</b> , 1052, 145-51	6.5	40
36	Neuroendocrine mechanism for tolerance to cerebral ischemia-reperfusion injury in male rats. <i>Journal of Neurobiology</i> , <b>2005</b> , 62, 341-51		39
35	From the 90's to now: A brief historical perspective on more than two decades of estrogen neuroprotection. <i>Brain Research</i> , <b>2016</b> , 1633, 96-100	3.7	38

34	Oxidative stress, testosterone, and cognition among Caucasian and Mexican-American men with and without Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 40, 563-73	4.3	36
33	Effects of Oxidative Stress and Testosterone on Pro-Inflammatory Signaling in a Female Rat Dopaminergic Neuronal Cell Line. <i>Endocrinology</i> , <b>2016</b> , 157, 2824-35	4.8	35
32	A novel organotypic culture model of the postnatal mouse retina allows the study of glutamate-mediated excitotoxicity. <i>Journal of Neuroscience Methods</i> , <b>2007</b> , 159, 35-42	3	34
31	ERK/MAPK pathway regulates GABAA receptors. <i>Journal of Neurobiology</i> , <b>2006</b> , 66, 1467-74		34
30	Progesterone potentiates IP(3)-mediated calcium signaling through Akt/PKB. <i>Cellular Physiology and Biochemistry</i> , <b>2008</b> , 21, 161-72	3.9	33
29	Progesterone-induced neuroprotection: factors that may predict therapeutic efficacy. <i>Brain Research</i> , <b>2013</b> , 1514, 98-106	3.7	31
28	ERK5/KLF4 signaling as a common mediator of the neuroprotective effects of both nerve growth factor and hydrogen peroxide preconditioning. <i>Age</i> , <b>2014</b> , 36, 9685		29
27	The effects of sigma ( $\sigma$ ) receptor-selective ligands on muscarinic receptor antagonist-induced cognitive deficits in mice. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 2519-31	8.6	29
26	Androgens exacerbate motor asymmetry in male rats with unilateral 6-hydroxydopamine lesion. <i>Hormones and Behavior</i> , <b>2011</b> , 60, 617-24	3.7	27
25	ERK1/2 and ERK5 have distinct roles in the regulation of brain-derived neurotrophic factor expression. <i>Journal of Neuroscience Research</i> , <b>2011</b> , 89, 1542-50	4.4	25
24	Progesterone potentiates calcium release through IP3 receptors by an Akt-mediated mechanism in hippocampal neurons. <i>Cell Calcium</i> , <b>2009</b> , 45, 233-42	4	25
23	Estradiol (E2) Elicits Src Phosphorylation in the Mouse Neocortex: The Initial Event in E2 Activation of the MAPK Cascade?		24
22	Protein kinase C activity is necessary for estrogen-induced Erk phosphorylation in neocortical explants. <i>Neurochemical Research</i> , <b>2005</b> , 30, 779-90	4.6	18
21	Pgrmc1/BDNF Signaling Plays a Critical Role in Mediating Glia-Neuron Cross Talk. <i>Endocrinology</i> , <b>2016</b> , 157, 2067-79	4.8	18
20	Genistein directly inhibits native and recombinant NMDA receptors. <i>Neuropharmacology</i> , <b>2010</b> , 58, 1246-54	5.1	16
19	inhibition enhances progesterone-induced functional recovery in a mouse model of ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E9668-E9677	11.5	14
18	The impact of APOE status on relationship of biomarkers of vascular risk and systemic inflammation to neuropsychiatric symptoms in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 40, 887-96	4.3	12
17	Total cholesterol and neuropsychiatric symptoms in Alzheimer's disease: the impact of total cholesterol level and gender. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2014</b> , 38, 300-9	2.6	9

16	Cell Models for the Study of Sex Steroid Hormone Neurobiology. <i>Journal of Steroids &amp; Hormonal Science</i> , <b>2012</b> , S2,		8
15	Opiate stimulation of prolactin secretion is reversed by ovarian hormone treatment. <i>Neuroendocrinology</i> , <b>1992</b> , 56, 195-203	5.6	7
14	Consortium for the Assessment of Research on Progestins and Estrogens (CARPE) Fort Worth, Texas August 1-3, 2003. <i>Journal of Women's Health</i> , <b>2004</b> , 13, 1165-8	3	6
13	Total testosterone and neuropsychiatric symptoms in elderly men with Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , <b>2015</b> , 7, 24	9	5
12	The Association of Free Testosterone Levels in Men and Lifestyle Factors and Chronic Disease Status: A North Texas Healthy Heart Study. <i>Journal of Primary Care and Community Health</i> , <b>2014</b> , 5, 173-9 <sup>2.1</sup>		4
11	Opiate modulation of growth hormone secretion is compromised during the steroid-induced luteinizing hormone surge. <i>Neuroendocrinology</i> , <b>1992</b> , 55, 214-20	5.6	4
10	Signature molecules expressed differentially in a liver disease stage-specific manner by HIV-1 and HCV co-infection. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202524	3.7	3
9	HIV-1 Impairment via UBE3A and HIV-1 Nef Interactions Utilizing the Ubiquitin Proteasome System. <i>Viruses</i> , <b>2019</b> , 11,	6.2	2
8	Neuronal mitochondrial dysfunction in a cellular model of circadian rhythm disruption is rescued by donepezil. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 567, 56-62	3.4	1
7	Gonadal Steroid Hormones and Brain Protection <b>2017</b> , 355-376		
6	Progestins and Neuroprotection: Why the Choice of Progestin Matters <b>2011</b> , 29-40		
5	protects SH-SY5Y cells against -Butyl hydroperoxide-induced cell death via the ERK and PI3K pathways <b>2015</b> , 67, 20-26		
4	The Role of Progesterone and its Metabolites in Premenstrual Disorders of Affect <b>2008</b> , 483-491		
3	Pgrmc1/KLF4 Signaling Mediates the Neuron-Glia Crosstalk As A Neuroprotective Mechanism. <i>FASEB Journal</i> , <b>2015</b> , 29, LB498	0.9	
2	Hormetic effects of serum deprivation on androgen regulation of dopamine cell viability. <i>FASEB Journal</i> , <b>2010</b> , 24, 993.7	0.9	
1	Oxidative stress and androgens have a synergistic effect on dopamine cell viability. <i>FASEB Journal</i> , <b>2010</b> , 24, 993.6	0.9	