Meharvan Singh

List of Publications by Year in Descending Order

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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	Neuronal mitochondrial dysfunction in a cellular model of circadian rhythm disruption is rescued by donepezil. *Biochemical and Biophysical Research Communications*, **2021**, 567, 56-62	3.4	1
68	HIV-1 Impairment via UBE3A and HIV-1 Nef Interactions Utilizing the Ubiquitin Proteasome System. *Viruses*, **2019**, 11,	6.2	2
67	Signature molecules expressed differentially in a liver disease stage-specific manner by HIV-1 and HCV co-infection. *PLoS ONE*, **2018**, 13, e0202524	3.7	3
66	inhibition enhances progesterone-induced functional recovery in a mouse model of ischemia. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E9668-E9677	11.5	14
65	Gonadal Steroid Hormones and Brain Protection **2017**, 355-376		
64	Effects of Oxidative Stress and Testosterone on Pro-Inflammatory Signaling in a Female Rat Dopaminergic Neuronal Cell Line. *Endocrinology*, **2016**, 157, 2824-35	4.8	35
63	From the 90 to now: A brief historical perspective on more than two decades of estrogen neuroprotection. *Brain Research*, **2016**, 1633, 96-100	3.7	38
62	Pgrmc1/BDNF Signaling Plays a Critical Role in Mediating Glia-Neuron Cross Talk. *Endocrinology*, **2016**, 157, 2067-79	4.8	18
61	Total testosterone and neuropsychiatric symptoms in elderly men with Alzheimer disease. *Alzheimer Research and Therapy*, **2015**, 7, 24	9	5
60	The effects of sigma (1) receptor-selective ligands on muscarinic receptor antagonist-induced cognitive deficits in mice. *British Journal of Pharmacology*, **2015**, 172, 2519-31	8.6	29
59	protects SH-SY5Y cells against -Butyl hydroperoxide-induced cell death via the ERK and PI3K pathways **2015**, 67, 20-26		
58	Pgrmc1/KLF4 Signaling Mediates the Neuron-Glia Crosstalk As A Neuroprotective Mechanism. *FASEB Journal*, **2015**, 29, LB498	0.9	
57	ERK5/KLF4 signaling as a common mediator of the neuroprotective effects of both nerve growth factor and hydrogen peroxide preconditioning. *Age*, **2014**, 36, 9685		29
56	The impact of APOE status on relationship of biomarkers of vascular risk and systemic inflammation to neuropsychiatric symptoms in Alzheimer disease. *Journal of Alzheimer Disease*, **2014**, 40, 887-96	4.3	12
55	Oxidative stress, testosterone, and cognition among Caucasian and Mexican-American men with and without Alzheimer disease. *Journal of Alzheimer Disease*, **2014**, 40, 563-73	4.3	36
54	The Association of Free Testosterone Levels in Men and Lifestyle Factors and Chronic Disease Status: A North Texas Healthy Heart Study. *Journal of Primary Care and Community Health*, **2014**, 5, 173-9	2.1	4
53	Total cholesterol and neuropsychiatric symptoms in Alzheimer disease: the impact of total cholesterol level and gender. *Dementia and Geriatric Cognitive Disorders*, **2014**, 38, 300-9	2.6	9

52	Sex differences in cognitive impairment and Alzheimer's disease. *Frontiers in Neuroendocrinology*, **2014**, 35, 385-403	8.9	252
51	Oxidative stress defines the neuroprotective or neurotoxic properties of androgens in immortalized female rat dopaminergic neuronal cells. *Endocrinology*, **2013**, 154, 4281-92	4.8	50
50	Risk factors for mild cognitive impairment among Mexican Americans. *Alzheimer's and Dementia*, **2013**, 9, 622-631.e1	1.2	54
49	Progesterone-induced neuroprotection: factors that may predict therapeutic efficacy. *Brain Research*, **2013**, 1514, 98-106	3.7	31
48	Progesterone, brain-derived neurotrophic factor and neuroprotection. *Neuroscience*, **2013**, 239, 84-91	3.9	45
47	Progesterone and neuroprotection. *Hormones and Behavior*, **2013**, 63, 284-90	3.7	105
46	Biomarkers of vascular risk, systemic inflammation, and microvascular pathology and neuropsychiatric symptoms in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2013**, 35, 363-71	4.3	54
45	Non-genomic mechanisms of progesterone action in the brain. *Frontiers in Neuroscience*, **2013**, 7, 159	5.1	72
44	Neuroprotection and estrogen receptors. *Neuroendocrinology*, **2012**, 96, 119-30	5.6	68
43	Progesterone increases the release of brain-derived neurotrophic factor from glia via progesterone receptor membrane component 1 (Pgrmc1)-dependent ERK5 signaling. *Endocrinology*, **2012**, 153, 4389-400	4.8	71
42	Cell Models for the Study of Sex Steroid Hormone Neurobiology. *Journal of Steroids & Hormonal Science*, **2012**, S2,		8
41	Androgens exacerbate motor asymmetry in male rats with unilateral 6-hydroxydopamine lesion. *Hormones and Behavior*, **2011**, 60, 617-24	3.7	27
40	ERK1/2 and ERK5 have distinct roles in the regulation of brain-derived neurotrophic factor expression. *Journal of Neuroscience Research*, **2011**, 89, 1542-50	4.4	25
39	Progestins and Neuroprotection: Why the Choice of Progestin Matters **2011**, 29-40		
38	Genistein directly inhibits native and recombinant NMDA receptors. *Neuropharmacology*, **2010**, 58, 1246-54	5.1	16
37	Hormetic effects of serum deprivation on androgen regulation of dopamine cell viability. *FASEB Journal*, **2010**, 24, 993.7	0.9	
36	Oxidative stress and androgens have a synergistic effect on dopamine cell viability. *FASEB Journal*, **2010**, 24, 993.6	0.9	
35	The potential for estrogens in preventing Alzheimer's disease and vascular dementia. *Therapeutic Advances in Neurological Disorders*, **2009**, 2, 31-49	6.6	52

34	The differences in neuroprotective efficacy of progesterone and medroxyprogesterone acetate correlate with their effects on brain-derived neurotrophic factor expression. *Endocrinology*, **2009**, 150, 3162-8	4.8	61
33	Progesterone potentiates calcium release through IP3 receptors by an Akt-mediated mechanism in hippocampal neurons. *Cell Calcium*, **2009**, 45, 233-42	4	25
32	Progesterone potentiates IP(3)-mediated calcium signaling through Akt/PKB. *Cellular Physiology and Biochemistry*, **2008**, 21, 161-72	3.9	33
31	More than a decade of estrogen neuroprotection. *Alzheimer's and Dementia*, **2008**, 4, S131-6	1.2	55
30	Estrogens and progesterone as neuroprotectants: what animal models teach us. *Frontiers in Bioscience - Landmark*, **2008**, 13, 1083-9	2.8	76
29	The Role of Progesterone and its Metabolites in Premenstrual Disorders of Affect **2008**, 483-491		
28	Progesterone increases brain-derived neuroptrophic factor expression and protects against glutamate toxicity in a mitogen-activated protein kinase- and phosphoinositide-3 kinase-dependent manner in cerebral cortical explants. *Journal of Neuroscience Research*, **2007**, 85, 2441-9	4.4	130
27	A novel organotypic culture model of the postnatal mouse retina allows the study of glutamate-mediated excitotoxicity. *Journal of Neuroscience Methods*, **2007**, 159, 35-42	3	34
26	Activation of a membrane-associated androgen receptor promotes cell death in primary cortical astrocytes. *Endocrinology*, **2007**, 148, 2458-64	4.8	68
25	ERK/MAPK pathway regulates GABAA receptors. *Journal of Neurobiology*, **2006**, 66, 1467-74		34
24	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. *Endocrinology*, **2006**, 147, 2028-34	4.8	93
23	Novel mechanisms for estrogen-induced neuroprotection. *Experimental Biology and Medicine*, **2006**, 231, 514-21	3.7	83
22	Progesterone-induced neuroprotection. *Endocrine*, **2006**, 29, 271-4		57
21	PKC modulation of GABAA receptor endocytosis and function is inhibited by mutation of a dileucine motif within the receptor beta 2 subunit. *Neuropharmacology*, **2005**, 48, 181-94	5.5	52
20	Mechanisms of progesterone-induced neuroprotection. *Annals of the New York Academy of Sciences* , **2005**, 1052, 145-51	6.5	40
19	Neuroendocrine mechanism for tolerance to cerebral ischemia-reperfusion injury in male rats. *Journal of Neurobiology*, **2005**, 62, 341-51		39
18	Protein kinase C activity is necessary for estrogen-induced Erk phosphorylation in neocortical explants. *Neurochemical Research*, **2005**, 30, 779-90	4.6	18
17	Consortium for the Assessment of Research on Progestins and Estrogens (CARPE) Fort Worth, Texas August 1-3, 2003. *Journal of Women's Health*, **2004**, 13, 1165-8	3	6

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16	Constitutive GABAA receptor endocytosis is dynamin-mediated and dependent on a dileucine AP2 adaptin-binding motif within the beta 2 subunit of the receptor. *Journal of Biological Chemistry*, **2003**, 278, 24046-52	5.4	75
15	Estradiol-induced phosphorylation of ERK1/2 in explants of the mouse cerebral cortex: the roles of heat shock protein 90 (Hsp90) and MEK2. *Journal of Neurobiology*, **2002**, 50, 1-12		45
14	ER-X: a novel, plasma membrane-associated, putative estrogen receptor that is regulated during development and after ischemic brain injury. *Journal of Neuroscience*, **2002**, 22, 8391-401	6.6	476
13	Ovarian hormones elicit phosphorylation of Akt and extracellular-signal regulated kinase in explants of the cerebral cortex. *Endocrine*, **2001**, 14, 407-15		159
12	Estradiol (E2) elicits SRC phosphorylation in the mouse neocortex: the initial event in E2 activation of the MAPK cascade?. *Endocrinology*, **2001**, 142, 5145-8	4.8	42
11	Estrogen-induced activation of the mitogen-activated protein kinase cascade in the cerebral cortex of estrogen receptor-alpha knock-out mice. *Journal of Neuroscience*, **2000**, 20, 1694-700	6.6	232
10	Novel mechanisms of estrogen action in the brain: new players in an old story. *Frontiers in Neuroendocrinology*, **1999**, 20, 97-121	8.9	362
9	Estrogen-induced activation of mitogen-activated protein kinase in cerebral cortical explants: convergence of estrogen and neurotrophin signaling pathways. *Journal of Neuroscience*, **1999**, 19, 1179-88	6.6	426
8	Matrix metalloproteinase-9 in cerebral aneurysms. *Neurosurgery*, **1997**, 41, 642-66; discussion 646-7	3.2	110
7	Role of estrogen replacement therapy in memory enhancement and the prevention of neuronal loss associated with Alzheimer's disease. *American Journal of Medicine*, **1997**, 103, 19S-25S	2.4	212
6	Nerve growth factor (NGF) regulation of estrogen receptors in explant cultures of the developing forebrain. *Journal of Neurobiology*, **1996**, 31, 77-87		47
5	The potential role for estrogen replacement therapy in the treatment of the cognitive decline and neurodegeneration associated with Alzheimer's disease. *Neurobiology of Aging*, **1994**, 15 Suppl 2, S195-7	5.6	126
4	Ovarian steroid deprivation results in a reversible learning impairment and compromised cholinergic function in female Sprague-Dawley rats. *Brain Research*, **1994**, 644, 305-12	3.7	419
3	Opiate modulation of growth hormone secretion is compromised during the steroid-induced luteinizing hormone surge. *Neuroendocrinology*, **1992**, 55, 214-20	5.6	4
2	Opiate stimulation of prolactin secretion is reversed by ovarian hormone treatment. *Neuroendocrinology*, **1992**, 56, 195-203	5.6	7
1	Estradiol (E2) Elicits Src Phosphorylation in the Mouse Neocortex: The Initial Event in E2 Activation of the MAPK Cascade?		24