

# Cindy K Barha

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,627  
citations

236612

25  
h-index

197535

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex differences in exercise efficacy to improve cognition: A systematic review and meta-analysis of randomized controlled trials in older humans. <i>Frontiers in Neuroendocrinology</i> , 2017, 46, 71-85.	2.5	275
2	Effects of steroid hormones on neurogenesis in the hippocampus of the adult female rodent during the estrous cycle, pregnancy, lactation and aging. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 343-357.	2.5	265
3	Influence of different estrogens on neuroplasticity and cognition in the hippocampus. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1056-1067.	1.1	145
4	Chronic restraint stress in adolescence differentially influences hypothalamicâ€‘pituitaryâ€‘adrenal axis function and adult hippocampal neurogenesis in male and female rats. <i>Hippocampus</i> , 2011, 21, 1216-1227.	0.9	143
5	Endocrine substrates of cognitive and affective changes during pregnancy and postpartum.. <i>Behavioral Neuroscience</i> , 2012, 126, 54-72.	0.6	113
6	Endocrine regulation of cognition and neuroplasticity: Our pursuit to unveil the complex interaction between hormones, the brain, and behaviour.. <i>Canadian Journal of Experimental Psychology</i> , 2008, 62, 247-260.	0.7	109
7	Low Doses of 17 $\beta$ -Estradiol and 17 $\alpha$ -Estradiol Facilitate, Whereas Higher Doses of Estrone and 17 $\beta$ - and 17 $\alpha$ -Estradiol Impair, Contextual Fear Conditioning in Adult Female Rats. <i>Neuropsychopharmacology</i> , 2010, 35, 547-559.	2.8	107
8	Progesterone treatment normalizes the levels of cell proliferation and cell death in the dentate gyrus of the hippocampus after traumatic brain injury. <i>Experimental Neurology</i> , 2011, 231, 72-81.	2.0	102
9	17 $\alpha$ -Estradiol, but not estrone, increases the survival and activation of new neurons in the hippocampus in response to spatial memory in adult female rats. <i>Hormones and Behavior</i> , 2013, 63, 144-157.	1.0	93
10	Different Forms of Oestrogen Rapidly Upregulate Cell Proliferation in the Dentate Gyrus of Adult Female Rats. <i>Journal of Neuroendocrinology</i> , 2009, 21, 155-166.	1.2	91
11	Sex differences in neurogenesis and activation of new neurons in response to spatial learning and memory. <i>Psychoneuroendocrinology</i> , 2013, 38, 1236-1250.	1.3	85
12	Motherhood alters the cellular response to estrogens in the hippocampus later in life. <i>Neurobiology of Aging</i> , 2011, 32, 2091-2095.	1.5	81
13	Personalising exercise recommendations for brain health: considerations and future directions. <i>British Journal of Sports Medicine</i> , 2017, 51, 636-639.	3.1	81
14	Maternal care affects male and female offspring working memory and stress reactivity. <i>Physiology and Behavior</i> , 2007, 92, 939-950.	1.0	79
15	Exercise and the Aging Brain: Considerations for Sex Differences. <i>Brain Plasticity</i> , 2018, 4, 53-63.	1.9	77
16	Effects of computerized cognitive training on neuroimaging outcomes in older adults: a systematic review. <i>BMC Geriatrics</i> , 2017, 17, 139.	1.1	64
17	Multiparity-induced enhancement of hippocampal neurogenesis and spatial memory depends on ovarian hormone status in middle age. <i>Neurobiology of Aging</i> , 2015, 36, 2391-2405.	1.5	60
18	Physical activity for brain health in older adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 1105-1112.	0.9	60

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19	Sex differences in aerobic exercise efficacy to improve cognition: A systematic review and meta-analysis of studies in older rodents. <i>Frontiers in Neuroendocrinology</i> , 2017, 46, 86-105.	2.5	55
20	Sex Difference in Aerobic Exercise Efficacy to Improve Cognition in Older Adults with Vascular Cognitive Impairment: Secondary Analysis of a Randomized Controlled Trial. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1397-1410.	1.2	55
21	Biological Sex: A Potential Moderator of Physical Activity Efficacy on Brain Health. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 329.	1.7	41
22	Number of Children and Telomere Length in Women: A Prospective, Longitudinal Evaluation. <i>PLoS ONE</i> , 2016, 11, e0146424.	1.1	40
23	The hormone therapy, Premarin, impairs hippocampus-dependent spatial learning and memory and reduces activation of new granule neurons in response to memory in female rats. <i>Neurobiology of Aging</i> , 2013, 34, 986-1004.	1.5	35
24	Sex and estrous cycle differences in immediate early gene activation in the hippocampus and the dorsal striatum after the cue competition task. <i>Hormones and Behavior</i> , 2017, 87, 69-79.	1.0	34
25	The maternal 'baby brain' revisited. <i>Nature Neuroscience</i> , 2017, 20, 134-135.	7.1	33
26	Sex-Specific Relationship Between Long-Term Maintenance of Physical Activity and Cognition in the Health ABC Study: Potential Role of Hippocampal and Dorsolateral Prefrontal Cortex Volume. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 764-770.	1.7	28
27	Sex differences in exercise efficacy: Is midlife a critical window for promoting healthy cognitive aging?. <i>FASEB Journal</i> , 2020, 34, 11329-11336.	0.2	23
28	Sex influences the effects of APOE genotype and Alzheimer's disease diagnosis on neuropathology and memory. <i>Psychoneuroendocrinology</i> , 2021, 129, 105248.	1.3	22
29	Sex-dependent effect of the BDNF Val66Met polymorphism on executive functioning and processing speed in older adults: evidence from the health ABC study. <i>Neurobiology of Aging</i> , 2019, 74, 161-170.	1.5	19
30	The Effect of Aerobic Exercise on White Matter Hyperintensity Progression May Vary by Sex. <i>Canadian Journal on Aging</i> , 2019, 38, 236-244.	0.6	18
31	Inflammation in Alzheimer's Disease: Do Sex and APOE Matter?. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 627-641.	1.2	18
32	Effects of exercise training on the cognitive function of older adults with different types of dementia: a systematic review and meta-analysis. <i>British Journal of Sports Medicine</i> , 2022, 56, 933-940.	3.1	17
33	Enzymatic Depletion of the Polysialic Acid Moiety Associated with the Neural Cell Adhesion Molecule Inhibits Antidepressant Efficacy. <i>Neuropsychopharmacology</i> , 2016, 41, 1670-1680.	2.8	16
34	Increased Aerobic Fitness Is Associated with Cortical Thickness in Older Adults with Mild Vascular Cognitive Impairment. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2018, 2, 157-169.	0.8	13
35	Active body, healthy brain: Exercise for healthy cognitive aging. <i>International Review of Neurobiology</i> , 2019, 147, 95-120.	0.9	13
36	Personalising exercise recommendations for healthy cognition and mobility in aging: time to address sex and gender (Part 1). <i>British Journal of Sports Medicine</i> , 2021, 55, 300-301.	3.1	13

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37	Maternal bisphenol A (BPA) decreases attractiveness of male offspring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11305-11306.	3.3	12
38	Variation in maternal urinary cortisol profiles across the peri-conceptual period: a longitudinal description and evaluation of potential functions. <i>Human Reproduction</i> , 2015, 30, 1460-1472.	0.4	12
39	Personalising exercise recommendations for healthy cognition and mobility in ageing: time to consider one's pre-existing function and genotype (Part 2). <i>British Journal of Sports Medicine</i> , 2021, 55, 301-303.	3.1	12
40	Basics of neuroanatomy and neurophysiology. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 138, 53-68.	1.0	10
41	Exploring the Contribution of Myelin Content in Normal Appearing White Matter to Cognitive Outcomes in Cerebral Small Vessel Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 91-101.	1.2	9
42	The Role of S100B in Aerobic Training Efficacy in Older Adults with Mild Vascular Cognitive Impairment: Secondary Analysis of a Randomized Controlled Trial. <i>Neuroscience</i> , 2019, 410, 176-182.	1.1	8
43	Early post-conception maternal cortisol, children's HPA activity and DNA methylation profiles. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 73-87.	0.7	8
44	Sex Differences in Subsequent Falls and Falls Risk: A Prospective Cohort Study in Older Adults. <i>Gerontology</i> , 2022, 68, 272-279.	1.4	7
45	Child mortality, hypothalamic-pituitary-adrenal axis activity and cellular aging in mothers. <i>PLoS ONE</i> , 2017, 12, e0177869.	1.1	6
46	Cardiovascular risk moderates the effect of aerobic exercise on executive functions in older adults with subcortical ischemic vascular cognitive impairment. <i>Scientific Reports</i> , 2021, 11, 19974.	1.6	6
47	Exercise and the Aging Brain: Considerations for Sex Differences. <i>Brain Plasticity</i> , 2018, , 1-11.	1.9	4
48	Cardiometabolic risk, biological sex, and age do not share an interactive relationship with cognitive function: a cross-sectional analysis of the Canadian Longitudinal Study on Aging. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 405-414.	0.9	3
49	Walking for Cognitive Health: Previous Parity Moderates the Relationship Between Self-Reported Walking and Cognition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 486-493.	1.7	3
50	Sex Differences in the Relationship Between Arterial Stiffness and Cognitive Function in Older Adults. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106175.	0.7	2
51	Comparing the cost-effectiveness of the Otago Exercise Programme among older women and men: A secondary analysis of a randomized controlled trial. <i>PLoS ONE</i> , 2022, 17, e0267247.	1.1	2
52	P3-103: Sex Differences in Aerobic Exercise Efficacy on Cognitive Health: Possible Role of APOE-E4. , 2016, 12, P858-P859.		0
53	P4-055: Sex and BDNF Polymorphism: Impact on Cognitive Decline and White Matter Lesion Load in Older Adults with Subcortical Vascular Cognitive Impairment. , 2016, 12, P1035-P1036.		0
54	O3-05-03: GAINS FOR BRAINS: EVIDENCE FOR SEX-DEPENDENT EFFECTS OF EXERCISE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1023.	0.4	0

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55	Cardiovascular Risk Moderates Aerobic Training Efficacy on Executive Function in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 550-550.	0.2	0