Henriette van Praag

List of Publications by Year
in descending order

91	24,481	38742 50	48315 88
papers	citations	h-index	g-index

99	99	99	18895
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Can exercise training teach us how to treat Alzheimerâ€™s disease?. Ageing Research Reviews, 2022, 75, 101559.	10.9	23
2	An exercise infusion benefits brain function. Cell Research, 2022, , .	12.0	2
3	Exerkines in health, resilience and disease. Nature Reviews Endocrinology, 2022, 18, 273-289.	9.6	268
4	AdipoRon Treatment Induces a Dose-Dependent Response in Adult Hippocampal Neurogenesis. International Journal of Molecular Sciences, 2021, 22, 2068.	4.1	11
5	Effects of Aerobic Exercise Training on Systemic Biomarkers and Cognition in Late Middle-Aged Adults at Risk for Alzheimerâ€™s Disease. Frontiers in Endocrinology, 2021, 12, 660181.	3.5	55
6	Effects of Combined Anti-Hypertensive and Statin Treatment on Memory, Fear Extinction, Adult Neurogenesis, and Angiogenesis in Adult and Middle-Aged Mice. Cells, 2021, 10, 1778.	4.1	1
7	Steps towards standardized quantification of adult neurogenesis. Nature Communications, 2020, 11, 4275.	12.8	34
8	Neurochemical and behavioral comparisons of contingent and non-contingent methamphetamine exposure following binge or yoked long-access self-administration paradigms. Psychopharmacology, 2020, 237, 1989-2005.	3.1	19
9	Topoisomerase 3Î² knockout mice show transcriptional and behavioural impairments associated with neurogenesis and synaptic plasticity. Nature Communications, 2020, 11, 3143.	12.8	22
10	Physical activity and muscle-brain crosstalk. Japanese Journal of Physical Fitness and Sports Medicine, 2020, 69, 12-12.	0.0	0
11	Activity-Dependent Reconnection of Adult-Born Dentate Granule Cells in a Mouse Model of Frontotemporal Dementia. Journal of Neuroscience, 2019, 39, 5794-5815.	3.6	12
12	Exercise and Hippocampal Memory Systems. Trends in Cognitive Sciences, 2019, 23, 318-333.	7.8	141
13	Reduced mitochondrial fusion and Huntingtin levels contribute to impaired dendritic maturation and behavioral deficits in Fmr1-mutant mice. Nature Neuroscience, 2019, 22, 386-400.	14.8	67
14	Exercise Effects on Cognitive Function in Humans. Brain Plasticity, 2019, 5, 1-2.	3.5	1
15	Conditioned media from AICAR-treated skeletal muscle cells increases neuronal differentiation of adult neural progenitor cells. Neuropharmacology, 2019, 145, 123-130.	4.1	24
16	Physical Activity and Brain Plasticity. Journal of Exercise Nutrition & Biochemistry, 2019, 23, 23-25.	1.3	4
17	JNK1 controls adult hippocampal neurogenesis and imposes cell-autonomous control of anxiety behaviour from the neurogenic niche. Molecular Psychiatry, 2018, 23, 362-374.	7.9	62
18	On the Run for Hippocampal Plasticity. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a029736.	6.2	120

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19	Lifestyle Factors and Alzheimerâ€™s Disease. Brain Plasticity, 2018, 4, 1-2.	3.5	12
20	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimerâ€™s mouse model. Science, 2018, 361, .	12.6	536
21	Stage-specific functions of Semaphorin7A during adult hippocampal neurogenesis rely on distinct receptors. Nature Communications, 2017, 8, 14666.	12.8	26
22	Running Changes the Brain: the Long and the Short of It. Physiology, 2017, 32, 410-424.	3.1	87
23	Running reorganizes the circuitry of one-week-old adult-born hippocampal neurons. Scientific Reports, 2017, 7, 10903.	3.3	50
24	Exercise in a Pill: The Latest on Exercise-Mimetics. Brain Plasticity, 2017, 2, 153-169.	3.5	59
25	Running-Induced Systemic Cathepsin B Secretion Is Associated with Memory Function. Cell Metabolism, 2016, 24, 332-340.	16.2	375
26	Can physical exercise in old age improve memory and hippocampal function?. Brain, 2016, 139, 662-673.	7.6	231
27	Running rewires the neuronal network of adult-born dentate granule cells. NeuroImage, 2016, 131, 29-41.	4.2	124
28	Cognitive Impairments Induced by Concussive Mild Traumatic Brain Injury in Mouse Are Ameliorated by Treatment with Phenserine via Multiple Non-Cholinergic and Cholinergic Mechanisms. PLoS ONE, 2016, 11, e0156493.	2.5	36
29	Exercise-mimetic AICAR transiently benefits brain function. Oncotarget, 2015, 6, 18293-18313.	1.8	40
30	Plant-derived flavanol (â˜)epicatechin mitigates anxiety in association with elevated hippocampal monoamine and BDNF levels, but does not influence pattern separation in mice. Translational Psychiatry, 2015, 5, e493-e493.	4.8	64
31	Maternal immune activation differentially impacts mature and adult-born hippocampal neurons in male mice. Brain, Behavior, and Immunity, 2015, 45, 60-70.	4.1	72
32	AMPK agonist AICAR improves cognition and motor coordination in young and aged mice. Learning and Memory, 2014, 21, 119-126.	1.3	102
33	Exercise, Energy Intake, Glucose Homeostasis, and the Brain. Journal of Neuroscience, 2014, 34, 15139-15149.	3.6	117
34	Muscle Over Mind. Cell Metabolism, 2014, 20, 560-562.	16.2	26
35	Neuron-Specific Expression of Tomosyn1 in the Mouse Hippocampal Dentate Gyrus Impairs Spatial Learning and Memory. NeuroMolecular Medicine, 2013, 15, 351-363.	3.4	17
36	Bridging animal and human models of exercise-induced brain plasticity. Trends in Cognitive Sciences, 2013, 17, 525-544.	7.8	748

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37	Functional circuits of new neurons in the dentate gyrus. Frontiers in Neural Circuits, 2013, 7, 15.	2.8	112
38	Prolonged Running, not Fluoxetine Treatment, Increases Neurogenesis, but does not Alter Neuropathology, in the 3xTg Mouse Model of Alzheimerâ€™s Disease. Current Topics in Behavioral Neurosciences, 2013, 15, 313-340.	1.7	85
39	Exercise and the Brain: Neurogenesis, Synaptic Plasticity, Spine Density, and Angiogenesis. , 2012, , 3-24.		13
40	Molecular changes in brain aging and Alzheimer's disease are mirrored in experimentally silenced cortical neuron networks. Neurobiology of Aging, 2012, 33, 205.e1-205.e18.	3.1	33
41	Tumor necrosis factor-Î± synthesis inhibitor 3,6â€²-dithiothalidomide attenuates markers of inflammation, Alzheimer pathology and behavioral deficits in animal models of neuroinflammation and Alzheimerâ€™s disease. Journal of Neuroinflammation, 2012, 9, 106.	7.2	179
42	Monosynaptic inputs to new neurons in the dentate gyrus. Nature Communications, 2012, 3, 1107.	12.8	244
43	Muscle Fatigue and Cognition: What is the Link?. Frontiers in Physiology, 2012, 3, 14.	2.8	6
44	All About Running: Synaptic Plasticity, Growth Factors and Adult Hippocampal Neurogenesis. Current Topics in Behavioral Neurosciences, 2012, 15, 189-210.	1.7	293
45	Running throughout middleâ€age improves memory function, hippocampal neurogenesis, and BDNF levels in female C57BL/6J mice. Developmental Neurobiology, 2012, 72, 943-952.	3.0	261
46	Running reduces stress and enhances cell genesis in aged mice. Neurobiology of Aging, 2011, 32, 2279-2286.	3.1	93
47	The HIV-1 Rev/RRE system is required for HIV-1 5' UTR cis elements to augment encapsidation of heterologous RNA into HIV-1 viral particles. Retrovirology, 2011, 8, 51.	2.0	23
48	Running is the neurogenic and neurotrophic stimulus in environmental enrichment. Learning and Memory, 2011, 18, 605-609.	1.3	315
49	Endurance factors improve hippocampal neurogenesis and spatial memory in mice. Learning and Memory, 2011, 18, 103-107.	1.3	93
50	Comparison of neurogenic effects of fluoxetine, duloxetine and running in mice. Brain Research, 2010, 1341, 93-99.	2.2	87
51	TLR2 activation inhibits embryonic neural progenitor cell proliferation. Journal of Neurochemistry, 2010, 114, 462-474.	3.9	91
52	Regulation of AMPA receptor channels and synaptic plasticity by cofilin phosphatase Slingshot in cortical neurons. Journal of Physiology, 2010, 588, 2361-2371.	2.9	47
53	Neurogenesis and Exercise. , 2010, , 404-409.		2
54	When neurogenesis encounters aging and disease. Trends in Neurosciences, 2010, 33, 569-579.	8.6	337

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55	Running enhances spatial pattern separation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2367-2372.	7.1	440
56	Exercise is not beneficial and may accelerate symptom onset in a mouse model of Huntingtonâ€™s disease. PLOS Currents, 2010, 2, RRN1201.	1.4	60
57	Exercise and the brain: something to chew on. Trends in Neurosciences, 2009, 32, 283-290.	8.6	485
58	Neurogenesis and Exercise: Past and Future Directions. NeuroMolecular Medicine, 2008, 10, 128-140.	3.4	521
59	TAGing APP constrains neurogenesis. Nature Cell Biology, 2008, 10, 249-250.	10.3	14
60	Plant-Derived Flavanol (-)Epicatechin Enhances Angiogenesis and Retention of Spatial Memory in Mice. Journal of Neuroscience, 2007, 27, 5869-5878.	3.6	256
61	Synapse formation on neurons born in the adult hippocampus. Nature Neuroscience, 2007, 10, 727-734.	14.8	499
62	Functional Convergence of Neurons Generated in the Developing and Adult Hippocampus. PLoS Biology, 2006, 4, e409.	5.6	317
63	A role for bone marrowâ€“derived cells in the vasculature of noninjured CNS. Blood, 2005, 105, 2400-2402.	1.4	28
64	Exercise Enhances Learning and Hippocampal Neurogenesis in Aged Mice. Journal of Neuroscience, 2005, 25, 8680-8685.	3.6	1,796
65	Effects of voluntary exercise on synaptic plasticity and gene expression in the dentate gyrus of adult male sprague–dawley rats in vivo. Neuroscience, 2004, 124, 71-79.	2.3	714
66	"Exercise increases hippocampal neurogenesis to high levels but does not improve spatial learning in mice bred for increased voluntary wheel running": Correction to Rhodes et al. (2003).. Behavioral Neuroscience, 2004, 118, 305-305.	1.2	1
67	Enriched environment and physical activity stimulate hippocampal but not olfactory bulb neurogenesis. European Journal of Neuroscience, 2003, 17, 2042-2046.	2.6	673
68	Exercise increases hippocampal neurogenesis to high levels but does not improve spatial learning in mice bred for increased voluntary wheel running.. Behavioral Neuroscience, 2003, 117, 1006-1016.	1.2	225
69	Genetics of Childhood Disorders: XXXVI. Stem Cell Research, Part 1: New Neurons in the Adult Brain. Journal of the American Academy of Child and Adolescent Psychiatry, 2002, 41, 354-356.	0.5	9
70	Functional neurogenesis in the adult hippocampus. Nature, 2002, 415, 1030-1034.	27.8	2,558
71	Ataxia telangiectasia mutated is essential during adult neurogenesis. Genes and Development, 2001, 15, 554-566.	5.9	144
72	Are drug targets missed owing to lack of physical activity? â€“ Reply. Drug Discovery Today, 2001, 6, 615-617.	6.4	1

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73	Adult brain neurogenesis and psychiatry: a novel theory of depression. Molecular Psychiatry, 2000, 5, 262-269.	7.9	849
74	Neural consequences of enviromental enrichment. Nature Reviews Neuroscience, 2000, 1, 191-198.	10.2	2,147
75	Lentiviral Vectors: Regulated Gene Expression. Molecular Therapy, 2000, 1, 516-521.	8.2	240
76	Chapter 3 Activity-dependent regulation of neuronal plasticity and self repair. Progress in Brain Research, 2000, 127, 35-48.	1.4	174
77	A Packaging Cell Line for Lentivirus Vectors. Journal of Virology, 1999, 73, 576-584.	3.4	260
78	Running increases cell proliferation and neurogenesis in the adult mouse dentate gyrus. Nature Neuroscience, 1999, 2, 266-270.	14.8	3,370
79	Running enhances neurogenesis, learning, and long-term potentiation in mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13427-13431.	7.1	2,499
80	Unilateral hippocampal ablation at birth causes a reduction in contralateral LTP. Brain Research, 1998, 795, 170-178.	2.2	11
81	Unilateral hippocampal lesions in newborn and adult rats: effects on spatial memory and BDNF gene expression. Behavioural Brain Research, 1998, 92, 21-30.	2.2	40
82	Neonatal vs. adult unilateral hippocampal lesions: differential alterations in contralateral hippocampal theta rhythm. Brain Research, 1997, 768, 233-241.	2.2	11
83	Unilateral Neonatal Hippocampal Lesion Alters Septal Innervation and Trophism of the Entorhinal Cortex. Experimental Neurology, 1996, 141, 130-140.	4.1	14
84	Dissociation of Motor Hyperactivity and Spatial Memory Deficits by Selective Hippocampal Lesions in the Neonatal Rat. Journal of Cognitive Neuroscience, 1994, 6, 321-331.	2.3	19
85	The development of analgesic, pro- and anti-convulsant opiate effects in the rat. Annali Dell'Istituto Superiore Di Sanita, 1993, 29, 419-29.	0.4	4
86	The effects of systemic morphine on behavior and EEG in newborn rats. Developmental Brain Research, 1992, 67, 19-26.	1.7	12
87	Evidence for opiate tolerance in newborn rats. Developmental Brain Research, 1991, 60, 99-102.	1.7	25
88	The development of stimulation-produced analgesia (SPA) in the rat. Developmental Brain Research, 1991, 64, 71-76.	1.7	56
89	The role of glutamate in opiate descending inhibition of nociceptive spinal reflexes. Brain Research, 1990, 524, 101-105.	2.2	59
90	EEG asymmetries may be affected by cranial and Brain parenchymal asymmetries. Brain Topography, 1989, 1, 221-228.	1.8	35

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91	Bilateral alpha distribution and anatomic brain asymmetries. Brain Topography, 1989, 1, 229-235.	1.8	13