

Sandrine Thuret

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.

89 papers	4,450 citations	31 h-index	66 g-index
97 ext. papers	5,571 ext. citations	7.3 avg, IF	5.69 L-index

#	Paper	IF	Citations
89	Therapeutic interventions after spinal cord injury. <i>Nature Reviews Neuroscience</i> , 2006 , 7, 628-43	13.5	747
88	Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018 , 23, 25-30	18	394
87	Antidepressants increase human hippocampal neurogenesis by activating the glucocorticoid receptor. <i>Molecular Psychiatry</i> , 2011 , 16, 738-50	15.1	303
86	Interleukin-1 α a new regulator of the kynurenine pathway affecting human hippocampal neurogenesis. <i>Neuropsychopharmacology</i> , 2012 , 37, 939-49	8.7	283
85	The role of inflammatory cytokines as key modulators of neurogenesis. <i>Trends in Neurosciences</i> , 2015 , 38, 145-57	13.3	227
84	Glucocorticoid-related molecular signaling pathways regulating hippocampal neurogenesis. <i>Neuropsychopharmacology</i> , 2013 , 38, 872-83	8.7	213
83	Role for the kinase SGK1 in stress, depression, and glucocorticoid effects on hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8708-13	11.5	209
82	Impact of diet on adult hippocampal neurogenesis. <i>Genes and Nutrition</i> , 2009 , 4, 271-82	4.3	132
81	Nutrition for the ageing brain: Towards evidence for an optimal diet. <i>Ageing Research Reviews</i> , 2017 , 35, 222-240	12	120
80	Effects of diet on brain plasticity in animal and human studies: mind the gap. <i>Neural Plasticity</i> , 2014 , 2014, 563160	3.3	120
79	The role of dietary polyphenols on adult hippocampal neurogenesis: molecular mechanisms and behavioural effects on depression and anxiety. <i>Oxidative Medicine and Cellular Longevity</i> , 2012 , 2012, 541971	6.7	92
78	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018 , 42, 40-55	12	83
77	Nutrition, adult hippocampal neurogenesis and mental health. <i>British Medical Bulletin</i> , 2012 , 103, 89-114	5.4	77
76	Why looking at the whole hippocampus is not enough-a critical role for anteroposterior axis, subfield and activation analyses to enhance predictive value of hippocampal changes for Alzheimer's disease diagnosis. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 95	6.1	73
75	Hippocampus-dependent learning is associated with adult neurogenesis in MRL/MpJ mice. <i>Hippocampus</i> , 2009 , 19, 658-69	3.5	73
74	Diet and depression: exploring the biological mechanisms of action. <i>Molecular Psychiatry</i> , 2021 , 26, 134-150	15.1	66
73	Midbrain dopaminergic neurons: control of their cell fate by the engrailed transcription factors. <i>Cell and Tissue Research</i> , 2004 , 318, 53-61	4.2	64

72	Hippocampal neurogenesis in Alzheimer's disease: is there a role for dietary modulation?. <i>Journal of Alzheimer's Disease</i> , 2014 , 38, 11-38	4.3	56
71	Interferon-Alpha Reduces Human Hippocampal Neurogenesis and Increases Apoptosis via Activation of Distinct STAT1-Dependent Mechanisms. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 187-200	5.8	55
70	Consequences of cancer treatments on adult hippocampal neurogenesis: implications for cognitive function and depressive symptoms. <i>Neuro-Oncology</i> , 2014 , 16, 476-92	1	54
69	Gut Microbiota: A Modulator of Brain Plasticity and Cognitive Function in Ageing. <i>Healthcare (Switzerland)</i> , 2015 , 3, 898-916	3.4	54
68	Cortical area size dictates performance at modality-specific behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4153-8	11.5	46
67	Human neural progenitor cell engraftment increases neurogenesis and microglial recruitment in the brain of rats with stroke. <i>PLoS ONE</i> , 2012 , 7, e50444	3.7	46
66	Antidepressant compounds can be both pro- and anti-inflammatory in human hippocampal cells. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	44
65	The Role of Lipid Biomarkers in Major Depression. <i>Healthcare (Switzerland)</i> , 2017 , 5,	3.4	43
64	Gender Differences in the Neurobiology of Anxiety: Focus on Adult Hippocampal Neurogenesis. <i>Neural Plasticity</i> , 2016 , 2016, 5026713	3.3	42
63	The neuregulin receptor, ErbB4, is not required for normal development and adult maintenance of the substantia nigra pars compacta. <i>Journal of Neurochemistry</i> , 2004 , 91, 1302-11	6	38
62	Identification and developmental analysis of genes expressed by dopaminergic neurons of the substantia nigra pars compacta. <i>Molecular and Cellular Neurosciences</i> , 2004 , 25, 394-405	4.8	37
61	Hippocampal biomarkers of fear memory in an animal model of generalized anxiety disorder. <i>Behavioural Brain Research</i> , 2014 , 263, 34-45	3.4	33
60	Modulation of adult hippocampal neurogenesis by early-life environmental challenges triggering immune activation. <i>Neural Plasticity</i> , 2014 , 2014, 194396	3.3	31
59	Enhanced functional recovery in MRL/MpJ mice after spinal cord dorsal hemisection. <i>PLoS ONE</i> , 2012 , 7, e30904	3.7	31
58	Adult Hippocampal Neurogenesis in Major Depressive Disorder and Alzheimer's Disease. <i>Trends in Molecular Medicine</i> , 2020 , 26, 803-818	11.5	30
57	Adult Human Hippocampal Neurogenesis: Controversy and Evidence. <i>Trends in Molecular Medicine</i> , 2018 , 24, 521-522	11.5	29
56	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , 2020 , 62, 101079	12	29
55	Resveratrol: A Potential Hippocampal Plasticity Enhancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 9651236	6.7	28

54	Translational findings on brain-derived neurotrophic factor and anxiety: contributions from basic research to clinical practice. <i>Neuropsychobiology</i> , 2013 , 68, 129-38	4	26
53	Chronic stress followed by social isolation promotes depressive-like behaviour, alters microglial and astrocyte biology and reduces hippocampal neurogenesis in male mice. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 24-47	16.6	26
52	Restoring miR-132 expression rescues adult hippocampal neurogenesis and memory deficits in Alzheimer's disease. <i>Cell Stem Cell</i> , 2021 , 28, 1805-1821.e8	18	21
51	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900177	5.9	20
50	The systemic milieu as a mediator of dietary influence on stem cell function during ageing. <i>Ageing Research Reviews</i> , 2015 , 19, 53-64	12	20
49	The type of stress matters: repeated injection and permanent social isolation stress in male mice have a differential effect on anxiety- and depressive-like behaviours, and associated biological alterations. <i>Translational Psychiatry</i> , 2020 , 10, 325	8.6	20
48	Conditionally immortalized stem cell lines from human spinal cord retain regional identity and generate functional V2a interneurons and motoneurons. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 69	8.3	18
47	Modulation of Adult Hippocampal Neurogenesis by Sleep: Impact on Mental Health. <i>Frontiers in Neural Circuits</i> , 2017 , 11, 74	3.5	17
46	Chronic post-COVID-19 syndrome and chronic fatigue syndrome: Is there a role for extracorporeal apheresis?. <i>Molecular Psychiatry</i> , 2021 ,	15.1	15
45	Energy Restriction Enhances Adult Hippocampal Neurogenesis-Associated Memory after Four Weeks in an Adult Human Population with Central Obesity; a Randomized Controlled Trial. <i>Nutrients</i> , 2020 , 12,	6.7	14
44	Transcriptomic profiling of human hippocampal progenitor cells treated with antidepressants and its application in drug repositioning. <i>Journal of Psychopharmacology</i> , 2017 , 31, 338-345	4.6	13
43	Polygenic risk for circulating reproductive hormone levels and their influence on hippocampal volume and depression susceptibility. <i>Psychoneuroendocrinology</i> , 2019 , 106, 284-292	5	13
42	Prolactin, Estradiol and Testosterone Differentially Impact Human Hippocampal Neurogenesis in an In Vitro Model. <i>Neuroscience</i> , 2021 , 454, 15-39	3.9	13
41	Genetic Risk for Psychiatric Disorders and Telomere Length. <i>Frontiers in Genetics</i> , 2018 , 9, 468	4.5	13
40	Expression of neurogenic markers in Alzheimer's disease: a systematic review and metatranscriptional analysis. <i>Neurobiology of Aging</i> , 2019 , 76, 166-180	5.6	12
39	The genome-wide expression effects of escitalopram and its relationship to neurogenesis, hippocampal volume, and antidepressant response. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2017 , 174, 427-434	3.5	11
38	Inter-individual variation in genes governing human hippocampal progenitor differentiation in vitro is associated with hippocampal volume in adulthood. <i>Scientific Reports</i> , 2017 , 7, 15112	4.9	11
37	Lifestyle mediates the role of nutrient-sensing pathways in cognitive aging: cellular and epidemiological evidence. <i>Communications Biology</i> , 2020 , 3, 157	6.7	9

36	Telomere length and human hippocampal neurogenesis. <i>Neuropsychopharmacology</i> , 2020 , 45, 2239-2247.	7.7	9
35	Intermittent fasting enhances long-term memory consolidation, adult hippocampal neurogenesis, and expression of longevity gene Klotho. <i>Molecular Psychiatry</i> , 2021 ,	15.1	9
34	Emotion regulation mediates the relationship between verbal learning and internalizing, trauma-related and externalizing symptoms among early-onset, persistently delinquent adolescents. <i>Learning and Individual Differences</i> , 2019 , 70, 201-215	3.1	9
33	Extracorporeal apheresis therapy for Alzheimer disease-targeting lipids, stress, and inflammation. <i>Molecular Psychiatry</i> , 2020 , 25, 275-282	15.1	9
32	The role of circulatory systemic environment in predicting interferon-alpha-induced depression: The neurogenic process as a potential mechanism. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 220-227	16.6	8
31	Repeated lipopolysaccharide exposure modifies immune and sickness behaviour response in an animal model of chronic inflammation. <i>Journal of Psychopharmacology</i> , 2018 , 32, 236-247	4.6	8
30	In the Long Run: Physical Activity in Early Life and Cognitive Aging. <i>Frontiers in Neuroscience</i> , 2019 , 13, 884	5.1	8
29	The role of omega-3 fatty acids in preventing glucocorticoid-induced reduction in human hippocampal neurogenesis and increase in apoptosis. <i>Translational Psychiatry</i> , 2020 , 10, 219	8.6	7
28	Associations between childhood maltreatment and inflammatory markers. <i>BJPsych Open</i> , 2019 , 5, e3	5	6
27	Importance of Proactive Treatment of Depression in Lewy Body Dementias: The Impact on Hippocampal Neurogenesis and Cognition in a Post-Mortem Study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017 , 44, 283-293	2.6	6
26	Emerging Molecular Pathways Governing Dietary Regulation of Neural Stem Cells during Aging. <i>Frontiers in Physiology</i> , 2017 , 8, 17	4.6	6
25	Merging mouse transcriptome analyses with Parkinson's disease linkage studies. <i>DNA Research</i> , 2007 , 14, 79-89	4.5	6
24	Chronic stress induces significant gene expression changes in the prefrontal cortex alongside alterations in adult hippocampal neurogenesis. <i>Brain Communications</i> , 2020 , 2, fcaa153	4.5	6
23	Regulation of Laminar and Area Patterning of Mammalian Neocortex and Behavioural Implications. <i>Novartis Foundation Symposium</i> , 141-164		6
22	Hippocampal volume, function, and related molecular activity in anorexia nervosa: A scoping review. <i>Expert Review of Clinical Pharmacology</i> , 2020 , 13, 1367-1387	3.8	5
21	Neurogenesis right under your nose. <i>Nature Neuroscience</i> , 2020 , 23, 297-298	25.5	5
20	P45 forms a complex with FADD and promotes neuronal cell survival following spinal cord injury. <i>PLoS ONE</i> , 2013 , 8, e69286	3.7	5
19	Do different types of stress differentially alter behavioural and neurobiological outcomes associated with depression in rodent models? A systematic review. <i>Frontiers in Neuroendocrinology</i> , 2021 , 61, 100896	8.9	5

18	The impact of mastication on cognition: Evidence for intervention and the role of adult hippocampal neurogenesis. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2016 , 3, 115-123		5
17	Food and Microbiota Metabolites Associate with Cognitive Decline in Older Subjects: A 12-Year Prospective Study. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100606	5.9	4
16	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline.. <i>Alzheimer's Research and Therapy</i> , 2022 , 14, 1	9	3
15	Diet and depression: future needs to unlock the potential. <i>Molecular Psychiatry</i> , 2021 ,	15.1	3
14	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 806	5.7	3
13	Synthèse de l'acide 2-acrylamido 2-méthylpropanoïque et copolymérisation avec l'acrylamide. <i>Macromolecular Chemistry and Physics</i> , 1996 , 197, 2595-2602	2.6	2
12	Early signature in the blood lipidome associated with subsequent cognitive decline in the elderly: A case-control analysis nested within the Three-City cohort study. <i>EBioMedicine</i> , 2021 , 64, 103216	8.8	2
11	Modulation of the Hypothalamic Nutrient Sensing Pathways by Sex and Early-Life Stress. <i>Frontiers in Neuroscience</i> , 2021 , 15, 695367	5.1	2
10	Maternal immune activation primes deficiencies in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 410-422	16.6	2
9	Cellular phenotyping of hippocampal progenitors exposed to patient serum predicts conversion to Alzheimer's Disease		1
8	Lower pattern recognition memory scores in anorexia nervosa. <i>Journal of Eating Disorders</i> , 2021 , 9, 49	4.1	1
7	The effects of genotype on inflammatory response in hippocampal progenitor cells: A computational approach. <i>Brain, Behavior, & Immunity - Health</i> , 2021 , 15, 100286	5.1	1
6	Serum from Older Adults Increases Apoptosis and Molecular Aging Markers in Human Hippocampal Progenitor Cells 2021 , 12, 2151-2172		0
5	Apolipoprotein E expression pattern in human induced pluripotent stem cells during in vitro neural induction. <i>F1000Research</i> , 2020 , 9, 353	3.6	0
4	Lithium treatment and human hippocampal neurogenesis. <i>Translational Psychiatry</i> , 2021 , 11, 555	8.6	0
3	Apolipoprotein E expression pattern in human induced pluripotent stem cells during neural induction. <i>F1000Research</i> , 2020 , 9, 353	3.6	
2	The Hippocampus and Panic Disorder: Evidence from Animal and Human Studies 2016 , 79-91		
1	P1-009: EARLY BLOOD LIPID SIGNATURE PREDICTING ACCELERATED COGNITIVE DECLINE IN OLDER PERSONS 2018 , 14, P265-P266		

