

Sandrine Thuret

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

9,357
citations

87888

38
h-index

49909

87
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all docs

97
docs citations

97
times ranked

15658
citing authors

#	ARTICLE	IF	CITATIONS
1	Translational Findings on Brain-Derived Neurotrophic Factor and Anxiety: Contributions from Basic Research to Clinical Practice. <i>Neuropsychobiology</i> , 2013, 68, 129-138.	1.9	2,900
2	Therapeutic interventions after spinal cord injury. <i>Nature Reviews Neuroscience</i> , 2006, 7, 628-643.	10.2	893
3	Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018, 23, 25-30.	11.1	601
4	Antidepressants increase human hippocampal neurogenesis by activating the glucocorticoid receptor. <i>Molecular Psychiatry</i> , 2011, 16, 738-750.	7.9	371
5	Interleukin-1 β : A New Regulator of the Kynurenine Pathway Affecting Human Hippocampal Neurogenesis. <i>Neuropsychopharmacology</i> , 2012, 37, 939-949.	5.4	328
6	The role of inflammatory cytokines as key modulators of neurogenesis. <i>Trends in Neurosciences</i> , 2015, 38, 145-157.	8.6	293
7	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, 8708-8713.	7.1	272
8	Diet and depression: exploring the biological mechanisms of action. <i>Molecular Psychiatry</i> , 2021, 26, 134-150.	7.9	265
9	Glucocorticoid-Related Molecular Signaling Pathways Regulating Hippocampal Neurogenesis. <i>Neuropsychopharmacology</i> , 2013, 38, 872-883.	5.4	262
10	Nutrition for the ageing brain: Towards evidence for an optimal diet. <i>Ageing Research Reviews</i> , 2017, 35, 222-240.	10.9	161
11	Impact of diet on adult hippocampal neurogenesis. <i>Genes and Nutrition</i> , 2009, 4, 271-282.	2.5	159
12	Effects of Diet on Brain Plasticity in Animal and Human Studies: Mind the Gap. <i>Neural Plasticity</i> , 2014, 2014, 1-32.	2.2	153
13	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018, 42, 40-55.	10.9	136
14	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.	4.1	120
15	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, 1-18.	4.0	116
16	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.	3.7	109
17	Adult Hippocampal Neurogenesis in Major Depressive Disorder and Alzheimer's Disease. <i>Trends in Molecular Medicine</i> , 2020, 26, 803-818.	6.7	98
18	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.	2.1	85

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19	Midbrain dopaminergic neurons: control of their cell fate by the engrailed transcription factors. <i>Cell and Tissue Research</i> , 2004, 318, 53-61.	2.9	76
20	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.	11.1	76
21	Hippocampus-dependent learning is associated with adult neurogenesis in MRL/MpJ mice. <i>Hippocampus</i> , 2009, 19, 658-669.	1.9	75
22	The Role of Lipid Biomarkers in Major Depression. <i>Healthcare (Switzerland)</i> , 2017, 5, 5.	2.0	73
23	Gut Microbiota: A Modulator of Brain Plasticity and Cognitive Function in Ageing. <i>Healthcare (Switzerland)</i> , 2015, 3, 898-916.	2.0	67
24	Consequences of cancer treatments on adult hippocampal neurogenesis: implications for cognitive function and depressive symptoms. <i>Neuro-Oncology</i> , 2014, 16, 476-492.	1.2	64
25	Hippocampal Neurogenesis in Alzheimer's Disease: Is There a Role for Dietary Modulation?. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 11-38.	2.6	62
26	Human Neural Progenitor Cell Engraftment Increases Neurogenesis and Microglial Recruitment in the Brain of Rats with Stroke. <i>PLoS ONE</i> , 2012, 7, e50444.	2.5	62
27	Gender Differences in the Neurobiology of Anxiety: Focus on Adult Hippocampal Neurogenesis. <i>Neural Plasticity</i> , 2016, 2016, 1-14.	2.2	59
28	Chronic post-COVID-19 syndrome and chronic fatigue syndrome: Is there a role for extracorporeal apheresis?. <i>Molecular Psychiatry</i> , 2022, 27, 34-37.	7.9	59
29	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , 2020, 62, 101079.	10.9	56
30	Intermittent fasting enhances long-term memory consolidation, adult hippocampal neurogenesis, and expression of longevity gene Klotho. <i>Molecular Psychiatry</i> , 2021, 26, 6365-6379.	7.9	54
31	Antidepressant Compounds Can Be Both Pro- and Anti-Inflammatory in Human Hippocampal Cells. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu076-pyu076.	2.1	52
32	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.	4.8	51
33	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, 4153-4158.	7.1	47
34	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, 1302-1311.	3.9	44
35	Hippocampal biomarkers of fear memory in an animal model of generalized anxiety disorder. <i>Behavioural Brain Research</i> , 2014, 263, 34-45.	2.2	44
36	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, 638.	4.1	43

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37	Adult Human Hippocampal Neurogenesis: Controversy and Evidence. <i>Trends in Molecular Medicine</i> , 2018, 24, 521-522.	6.7	42
38	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.	2.2	41
39	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.	3.3	40
40	Enhanced Functional Recovery in MRL/MpJ Mice after Spinal Cord Dorsal Hemisection. <i>PLoS ONE</i> , 2012, 7, e30904.	2.5	36
41	Modulation of Adult Hippocampal Neurogenesis by Early-Life Environmental Challenges Triggering Immune Activation. <i>Neural Plasticity</i> , 2014, 2014, 1-10.	2.2	36
42	Resveratrol: A Potential Hippocampal Plasticity Enhancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	4.0	31
43	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.	6.2	31
44	Modulation of Adult Hippocampal Neurogenesis by Sleep: Impact on Mental Health. <i>Frontiers in Neural Circuits</i> , 2017, 11, 74.	2.8	30
45	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.	4.8	28
46	Lifestyle mediates the role of nutrient-sensing pathways in cognitive aging: cellular and epidemiological evidence. <i>Communications Biology</i> , 2020, 3, 157.	4.4	27
47	The systemic milieu as a mediator of dietary influence on stem cell function during ageing. <i>Ageing Research Reviews</i> , 2015, 19, 53-64.	10.9	26
48	Telomere length and human hippocampal neurogenesis. <i>Neuropsychopharmacology</i> , 2020, 45, 2239-2247.	5.4	25
49	Prolactin, Estradiol and Testosterone Differentially Impact Human Hippocampal Neurogenesis in an In Vitro Model. <i>Neuroscience</i> , 2021, 454, 15-39.	2.3	25
50	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.	5.5	23
51	Expression of neurogenic markers in Alzheimer's disease: a systematic review and metatranscriptional analysis. <i>Neurobiology of Aging</i> , 2019, 76, 166-180.	3.1	21
52	Genetic Risk for Psychiatric Disorders and Telomere Length. <i>Frontiers in Genetics</i> , 2018, 9, 468.	2.3	20
53	Maternal immune activation primes deficiencies in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 410-422.	4.1	20
54	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.	6.1	20

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55	Polygenic risk for circulating reproductive hormone levels and their influence on hippocampal volume and depression susceptibility. <i>Psychoneuroendocrinology</i> , 2019, 106, 284-292.	2.7	18
56	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.	5.2	18
57	Hippocampal volume, function, and related molecular activity in anorexia nervosa: A scoping review. <i>Expert Review of Clinical Pharmacology</i> , 2020, 13, 1367-1387.	3.1	17
58	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.	3.3	17
59	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.	4.0	16
60	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.	1.7	16
61	Extracorporeal apheresis therapy for Alzheimer disease—targeting lipids, stress, and inflammation. <i>Molecular Psychiatry</i> , 2020, 25, 275-282.	7.9	16
62	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.	3.3	15
63	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.	1.5	14
64	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.	4.1	14
65	Associations between childhood maltreatment and inflammatory markers. <i>BJPsych Open</i> , 2019, 5, e3.	0.7	14
66	In the Long Run: Physical Activity in Early Life and Cognitive Aging. <i>Frontiers in Neuroscience</i> , 2019, 13, 884.	2.8	13
67	Lithium treatment and human hippocampal neurogenesis. <i>Translational Psychiatry</i> , 2021, 11, 555.	4.8	13
68	The serum metabolome mediates the concert of diet, exercise, and neurogenesis, determining the risk for cognitive decline and dementia. <i>Alzheimer's and Dementia</i> , 2022, 18, 654-675.	0.8	12
69	Emerging Molecular Pathways Governing Dietary Regulation of Neural Stem Cells during Aging. <i>Frontiers in Physiology</i> , 2017, 8, 17.	2.8	11
70	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.	4.0	11
71	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 806.	3.7	11
72	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.	2.7	10

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73	Serum from Older Adults Increases Apoptosis and Molecular Aging Markers in Human Hippocampal Progenitor Cells. , 2021, 12, 2151.		10
74	The impact of mastication on cognition: Evidence for intervention and the role of adult hippocampal neurogenesis. Nutrition and Aging (Amsterdam, Netherlands), 2016, 3, 115-123.	0.3	9
75	Chronic stress induces significant gene expression changes in the prefrontal cortex alongside alterations in adult hippocampal neurogenesis. Brain Communications, 2020, 2, fcaa153.	3.3	8
76	Modulation of the Hypothalamic Nutrient Sensing Pathways by Sex and Early-Life Stress. Frontiers in Neuroscience, 2021, 15, 695367.	2.8	8
77	Diet and depression: future needs to unlock the potential. Molecular Psychiatry, 2022, 27, 778-780.	7.9	8
78	P45 Forms a Complex with FADD and Promotes Neuronal Cell Survival Following Spinal Cord Injury. PLoS ONE, 2013, 8, e69286.	2.5	7
79	Merging Mouse Transcriptome Analyses with Parkinson's Disease Linkage Studies. DNA Research, 2007, 14, 79-89.	3.4	6
80	Neurogenesis right under your nose. Nature Neuroscience, 2020, 23, 297-298.	14.8	5
81	Apolipoprotein E expression pattern in human induced pluripotent stem cells during in vitro neural induction. F1000Research, 2020, 9, 353.	1.6	5
82	Lower pattern recognition memory scores in anorexia nervosa. Journal of Eating Disorders, 2021, 9, 49.	2.7	3
83	Synthèse de l'acide 2-acrylamido 2-méthylpropanoïque et copolymérisation avec l'acrylamide. Macromolecular Chemistry and Physics, 1996, 197, 2595-2602.	2.2	2
84	The effects of genotype on inflammatory response in hippocampal progenitor cells: A computational approach. Brain, Behavior, & Immunity - Health, 2021, 15, 100286.	2.5	2
85	Apolipoprotein E expression pattern in human induced pluripotent stem cells during in vitro neural induction. F1000Research, 2020, 9, 353.	1.6	2
86	P1009: EARLY BLOOD LIPID SIGNATURE PREDICTING ACCELERATED COGNITIVE DECLINE IN OLDER PERSONS. Alzheimer's and Dementia, 2018, 14, P265.	0.8	0
87	The Hippocampus and Panic Disorder: Evidence from Animal and Human Studies. , 2016, , 79-91.		0