

# Etienne Sibille

## List of Publications by Year in descending order

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113  
papers

7,100  
citations

57719

44  
h-index

69214

77  
g-index

132  
all docs

132  
docs citations

132  
times ranked

8897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical 5-HT <sub>2A</sub> Receptor Signaling Modulates Anxiety-Like Behaviors in Mice. <i>Science</i> , 2006, 313, 536-540.	6.0	375
2	Integrated behavioral z-scoring increases the sensitivity and reliability of behavioral phenotyping in mice: Relevance to emotionality and sex. <i>Journal of Neuroscience Methods</i> , 2011, 197, 21-31.	1.3	242
3	Somatostatin-Positive Gamma-Aminobutyric Acid Interneuron Deficits in Depression: Cortical Microcircuit and Therapeutic Perspectives. <i>Biological Psychiatry</i> , 2017, 82, 549-559.	0.7	238
4	Brain-Derived Neurotrophic Factor Signaling and Subgenual Anterior Cingulate Cortex Dysfunction in Major Depressive Disorder. <i>American Journal of Psychiatry</i> , 2012, 169, 1194-1202.	4.0	221
5	Effects of aging on circadian patterns of gene expression in the human prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 206-211.	3.3	215
6	An R package suite for microarray meta-analysis in quality control, differentially expressed gene analysis and pathway enrichment detection. <i>Bioinformatics</i> , 2012, 28, 2534-2536.	1.8	208
7	Opposite Molecular Signatures of Depression in Men and Women. <i>Biological Psychiatry</i> , 2018, 84, 18-27.	0.7	205
8	Using the Gene Ontology for Microarray Data Mining: A Comparison of Methods and Application to Age Effects in Human Prefrontal Cortex. <i>Neurochemical Research</i> , 2004, 29, 1213-1222.	1.6	202
9	Molecular aging in human prefrontal cortex is selective and continuous throughout adult life. <i>Biological Psychiatry</i> , 2005, 57, 549-558.	0.7	202
10	Genetic Inactivation of the Serotonin <sub>1A</sub> Receptor in Mice Results in Downregulation of Major GABA <sub>A</sub> Receptor $\alpha$ Subunits, Reduction of GABA <sub>A</sub> Receptor Binding, and Benzodiazepine-Resistant Anxiety. <i>Journal of Neuroscience</i> , 2000, 20, 2758-2765.	1.7	186
11	GABA-related transcripts in the dorsolateral prefrontal cortex in mood disorders. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 721-734.	1.0	185
12	A Molecular Signature of Depression in the Amygdala. <i>American Journal of Psychiatry</i> , 2009, 166, 1011-1024.	4.0	177
13	Corticolimbic Transcriptome Changes are State-Dependent and Region-Specific in a Rodent Model of Depression and of Antidepressant Reversal. <i>Neuropsychopharmacology</i> , 2009, 34, 1363-1380.	2.8	173
14	Neuronal Tryptophan Hydroxylase mRNA Expression in the Human Dorsal and Median Raphe Nuclei: Major Depression and Suicide. <i>Neuropsychopharmacology</i> , 2006, 31, 814-824.	2.8	172
15	Reduced somatostatin in subgenual anterior cingulate cortex in major depression. <i>Neurobiology of Disease</i> , 2011, 42, 116-124.	2.1	156
16	Sex differences in mood disorders: perspectives from humans and rodent models. <i>Biology of Sex Differences</i> , 2014, 5, 17.	1.8	146
17	Altered GABA-mediated information processing and cognitive dysfunctions in depression and other brain disorders. <i>Molecular Psychiatry</i> , 2021, 26, 151-167.	4.1	133
18	Opposing Effects of Acute versus Chronic Blockade of Frontal Cortex Somatostatin-Positive Inhibitory Neurons on Behavioral Emotionality in Mice. <i>Neuropsychopharmacology</i> , 2014, 39, 2252-2262.	2.8	132

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19	Why are cortical GABA neurons relevant to internal focus in depression? A cross-level model linking cellular, biochemical and neural network findings. <i>Molecular Psychiatry</i> , 2014, 19, 966-977.	4.1	113
20	Gene Expression Profiling of Depression and Suicide in Human Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2004, 29, 351-361.	2.8	105
21	Beyond genotype: serotonin transporter epigenetic modification predicts human brain function. <i>Nature Neuroscience</i> , 2014, 17, 1153-1155.	7.1	105
22	Reduced brain somatostatin in mood disorders: a common pathophysiological substrate and drug target?. <i>Frontiers in Pharmacology</i> , 2013, 4, 110.	1.6	103
23	Molecular aging of the brain, neuroplasticity, and vulnerability to depression and other brain-related disorders. <i>Dialogues in Clinical Neuroscience</i> , 2013, 15, 53-65.	1.8	101
24	Brain molecular aging, promotion of neurological disease and modulation by Sirtuin5 longevity gene polymorphism. <i>Neurobiology of Disease</i> , 2011, 41, 279-290.	2.1	85
25	Characterization of GABAergic Marker Expression in the Chronic Unpredictable Stress Model of Depression. <i>Chronic Stress</i> , 2017, 1, 247054701772045.	1.7	81
26	MetaQC: objective quality control and inclusion/exclusion criteria for genomic meta-analysis. <i>Nucleic Acids Research</i> , 2012, 40, e15-e15.	6.5	79
27	Detecting disease-associated genes with confounding variable adjustment and the impact on genomic meta-analysis: With application to major depressive disorder. <i>BMC Bioinformatics</i> , 2012, 13, 52.	1.2	76
28	A Conserved BDNF, Glutamate- and GABA-Enriched Gene Module Related to Human Depression Identified by Coexpression Meta-Analysis and DNA Variant Genome-Wide Association Studies. <i>PLoS ONE</i> , 2014, 9, e90980.	1.1	75
29	The Role of BDNF in Age-Dependent Changes of Excitatory and Inhibitory Synaptic Markers in the Human Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2016, 41, 3080-3091.	2.8	74
30	Antisense Inhibition of 5-Hydroxytryptamine2aReceptor Induces an Antidepressant-Like Effect in Mice. <i>Molecular Pharmacology</i> , 1997, 52, 1056-1063.	1.0	73
31	Human Induced Pluripotent Stem Cell-Derived Models to Investigate Human Cytomegalovirus Infection in Neural Cells. <i>PLoS ONE</i> , 2012, 7, e49700.	1.1	69
32	Laminar and cellular analyses of reduced somatostatin gene expression in the subgenual anterior cingulate cortex in major depression. <i>Neurobiology of Disease</i> , 2015, 73, 213-219.	2.1	69
33	Between destiny and disease: Genetics and molecular pathways of human central nervous system aging. <i>Progress in Neurobiology</i> , 2011, 93, 165-181.	2.8	66
34	The Role of Genetic Sex in Affect Regulation and Expression of GABA-Related Genes Across Species. <i>Frontiers in Psychiatry</i> , 2013, 4, 104.	1.3	65
35	Sex chromosome complement regulates expression of mood-related genes. <i>Biology of Sex Differences</i> , 2013, 4, 20.	1.8	64
36	SERT-ainly Involved in Depression, But When?. <i>American Journal of Psychiatry</i> , 2006, 163, 8-11.	4.0	61

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37	Sex-Dependent Anti-Stress Effect of an $\alpha 5$ Subunit Containing GABAA Receptor Positive Allosteric Modulator. <i>Frontiers in Pharmacology</i> , 2016, 7, 446.	1.6	60
38	The Age-by-Disease Interaction Hypothesis of Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2013, 21, 418-432.	0.6	58
39	Testing the Predictive Value of Peripheral Gene Expression for Nonremission Following Citalopram Treatment for Major Depression. <i>Neuropsychopharmacology</i> , 2015, 40, 701-710.	2.8	58
40	Molecular and Genetic Characterization of Depression: Overlap with Other Psychiatric Disorders and Aging. <i>Molecular Neuropsychiatry</i> , 2015, 1, 1-12.	3.0	56
41	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , 2019, 5, 84-97.	3.0	54
42	Anticipated Brain Molecular Aging in Major Depression. <i>American Journal of Geriatric Psychiatry</i> , 2013, 21, 450-460.	0.6	53
43	Differential effects of 5-HT1A receptor deletion upon basal and fluoxetine-evoked 5-HT concentrations as revealed by in vivo microdialysis. <i>Brain Research</i> , 2001, 902, 11-17.	1.1	51
44	Enhanced Molecular Aging in Late-Life Depression: the Senescent-Associated Secretory Phenotype. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 64-72.	0.6	50
45	A Neural "Tuning Curve" for Multisensory Experience and Cognitive-Perceptual Schizotypy. <i>Schizophrenia Bulletin</i> , 2017, 43, 801-813.	2.3	48
46	Shifting priorities: highly conserved behavioral and brain network adaptations to chronic stress across species. <i>Translational Psychiatry</i> , 2018, 8, 26.	2.4	48
47	The Role of Dendritic Brain-Derived Neurotrophic Factor Transcripts on Altered Inhibitory Circuitry in Depression. <i>Biological Psychiatry</i> , 2019, 85, 517-526.	0.7	47
48	$\alpha 5$ GABA <sub>A</sub> receptor deficiency causes autism-like behaviors. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 392-398.	1.7	43
49	Circulating biosignatures of late-life depression (LLD): Towards a comprehensive, data-driven approach to understanding LLD pathophysiology. <i>Journal of Psychiatric Research</i> , 2016, 82, 1-7.	1.5	41
50	Norepinephrine Transporter Gene Variants and Remission From Depression With Venlafaxine Treatment in Older Adults. <i>American Journal of Psychiatry</i> , 2017, 174, 468-475.	4.0	41
51	Decrease in somatostatin-positive cell density in the amygdala of females with major depression. <i>Depression and Anxiety</i> , 2017, 34, 68-78.	2.0	39
52	Ulk2 controls cortical excitatory-inhibitory balance via autophagic regulation of p62 and GABAA receptor trafficking in pyramidal neurons. <i>Human Molecular Genetics</i> , 2018, 27, 3165-3176.	1.4	39
53	Age-Related Gene Expression in the Frontal Cortex Suggests Synaptic Function Changes in Specific Inhibitory Neuron Subtypes. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 162.	1.7	38
54	Altered Gene Synchrony Suggests a Combined Hormone-Mediated Dysregulated State in Major Depression. <i>PLoS ONE</i> , 2010, 5, e9970.	1.1	38

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55	A unique gene expression signature associated with serotonin 2C receptor RNA editing in the prefrontal cortex and altered in suicide. <i>Human Molecular Genetics</i> , 2014, 23, 4801-4813.	1.4	37
56	Residual avoidance: A new, consistent and repeatable readout of chronic stress-induced conflict anxiety reversible by antidepressant treatment. <i>Neuropharmacology</i> , 2019, 153, 98-110.	2.0	37
57	Large-Scale Transcriptomics Studies Provide Insight Into Sex Differences in Depression. <i>Biological Psychiatry</i> , 2022, 91, 14-24.	0.7	36
58	Chronic Stress Alters Astrocyte Morphology in Mouse Prefrontal Cortex. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 842-853.	1.0	36
59	Reduced GABAergic cortical inhibition in aging and depression. <i>Neuropsychopharmacology</i> , 2018, 43, 2277-2284.	2.8	34
60	Identification of a novel gene regulating amygdala-mediated fear extinction. <i>Molecular Psychiatry</i> , 2019, 24, 601-612.	4.1	34
61	Biological substrates underpinning diagnosis of major depression. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1893-1909.	1.0	33
62	Sustained Molecular Pathology Across Episodes and Remission in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2018, 83, 81-89.	0.7	33
63	Chronic Stress-induced Behaviors Correlate with Exacerbated Acute Stress-induced Cingulate Cortex and Ventral Hippocampus Activation. <i>Neuroscience</i> , 2020, 440, 113-129.	1.1	32
64	The roles of sex and serotonin transporter levels in age- and stress-related emotionality in mice. <i>Brain Research</i> , 2009, 1286, 84-93.	1.1	31
65	Major depression and enhanced molecular senescence abnormalities in young and middle-aged adults. <i>Translational Psychiatry</i> , 2019, 9, 198.	2.4	31
66	Behavioral Deficits Induced by Somatostatin-Positive GABA Neuron Silencing Are Rescued by Alpha 5 GABA-A Receptor Potentiation. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 505-518.	1.0	31
67	Reduced inhibition in depression impairs stimulus processing in human cortical microcircuits. <i>Cell Reports</i> , 2022, 38, 110232.	2.9	30
68	Predisposition to treatment response in major depressive episode: A peripheral blood gene coexpression network analysis. <i>Journal of Psychiatric Research</i> , 2016, 81, 119-126.	1.5	29
69	Adaptive Changes in Postsynaptic Dopamine Receptors Despite Unaltered Dopamine Dynamics in Mice Lacking Monoamine Oxidase B. <i>Journal of Neurochemistry</i> , 2002, 73, 647-655.	2.1	28
70	Sigma-1 and N-Methyl-D-Aspartate Receptors: A Partnership with Beneficial Outcomes. <i>Molecular Neuropsychiatry</i> , 2015, 1, 47-51.	3.0	28
71	The Relative Contributions of Cell-Dependent Cortical Microcircuit Aging to Cognition and Anxiety. <i>Biological Psychiatry</i> , 2019, 85, 257-267.	0.7	28
72	Adenylate Cyclase 7 Is Implicated in the Biology of Depression and Modulation of Affective Neural Circuitry. <i>Biological Psychiatry</i> , 2012, 71, 627-632.	0.7	27

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73	Sensitivity to <i>Jerky</i> Gene Dosage Underlies Epileptic Seizures in Mice. <i>Journal of Neuroscience</i> , 1997, 17, 4562-4569.	1.7	26
74	Neonatal testosterone partially organizes sex differences in stress-induced emotionality in mice. <i>Neurobiology of Disease</i> , 2012, 46, 486-496.	2.1	26
75	The RNA Binding Domain of Jerky Consists of Tandemly Arranged Helix-Turn-Helix/Homeodomain-Like Motifs and Binds Specific Sets of mRNAs. <i>Molecular and Cellular Biology</i> , 2003, 23, 4083-4093.	1.1	25
76	A human-mouse conserved sex bias in amygdala gene expression related to circadian clock and energy metabolism. <i>Molecular Brain</i> , 2011, 4, 18.	1.3	24
77	Hypermethylation of BDNF and SST Genes in the Orbital Frontal Cortex of Older Individuals: A Putative Mechanism for Declining Gene Expression with Age. <i>Neuropsychopharmacology</i> , 2015, 40, 2604-2613.	2.8	24
78	Sleep-dependent gene expression in the hippocampus and prefrontal cortex following long-term potentiation. <i>Physiology and Behavior</i> , 2009, 98, 44-52.	1.0	23
79	Older molecular brain age in severe mental illness. <i>Molecular Psychiatry</i> , 2021, 26, 3646-3656.	4.1	23
80	Genome-wide analysis suggests the importance of vascular processes and neuroinflammation in late-life antidepressant response. <i>Translational Psychiatry</i> , 2021, 11, 127.	2.4	22
81	Differential and spatial expression meta-analysis of genes identified in genome-wide association studies of depression. <i>Translational Psychiatry</i> , 2021, 11, 8.	2.4	22
82	Molecular characterization of depression trait and state. <i>Molecular Psychiatry</i> , 2022, 27, 1083-1094.	4.1	22
83	Reversal of Age-Related Neuronal Atrophy by $\hat{\pm}$ 5-GABAA Receptor Positive Allosteric Modulation. <i>Cerebral Cortex</i> , 2021, 31, 1395-1408.	1.6	21
84	Cell Type-Specific Gene Expression of Alpha 5 Subunit-Containing Gamma-Aminobutyric Acid Subtype A Receptors in Human and Mouse Frontal Cortex. <i>Molecular Neuropsychiatry</i> , 2018, 4, 204-215.	3.0	20
85	Synaptic underpinnings of altered hippocampal function in glutaminase-deficient mice during maturation. <i>Hippocampus</i> , 2012, 22, 1027-1039.	0.9	19
86	Fluorescence-based cell-specific detection for laser-capture microdissection in human brain. <i>Scientific Reports</i> , 2017, 7, 14213.	1.6	18
87	Combining genetic and genomic approaches to study mood disorders. <i>European Neuropsychopharmacology</i> , 2001, 11, 413-421.	0.3	17
88	Age-by-disease biological interactions: implications for late-life depression. <i>Frontiers in Genetics</i> , 2012, 3, 237.	1.1	17
89	FRAS1-related extracellular matrix 3 (FREM3) single-nucleotide polymorphism effects on gene expression, amygdala reactivity and perceptual processing speed: An accelerated aging pathway of depression risk. <i>Frontiers in Psychology</i> , 2015, 6, 1377.	1.1	17
90	Increased Neuronal DNA/RNA Oxidation in the Frontal Cortex of Mice Subjected to Unpredictable Chronic Mild Stress. <i>Chronic Stress</i> , 2017, 1, 247054701772474.	1.7	17

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91	DNA methylation in the human frontal cortex reveals a putative mechanism for age-by-disease interactions. <i>Translational Psychiatry</i> , 2019, 9, 39.	2.4	16
92	Synthesis of chiral GABAA receptor subtype selective ligands as potential agents to treat schizophrenia as well as depression. <i>Arkivoc</i> , 2018, 2018, 158-182.	0.3	15
93	BDNF controls GABAAR trafficking and related cognitive processes via autophagic regulation of p62. <i>Neuropsychopharmacology</i> , 2022, 47, 553-563.	2.8	15
94	Large-scale estimates of cellular origins of mRNAs: Enhancing the yield of transcriptome analyses. <i>Journal of Neuroscience Methods</i> , 2008, 167, 198-206.	1.3	13
95	Insight into Novel Treatment for Cognitive Dysfunctions across Disorders. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2088-2090.	1.7	13
96	Handling Techniques to Reduce Stress in Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	12
97	Reduced anterior cingulate cortex volume induced by chronic stress correlates with increased behavioral emotionality and decreased synaptic puncta density. <i>Neuropharmacology</i> , 2021, 190, 108562.	2.0	11
98	Symptomatic and neurotrophic effects of GABAA receptor positive allosteric modulation in a mouse model of chronic stress. <i>Neuropsychopharmacology</i> , 2022, 47, 1608-1619.	2.8	11
99	Reduced Somatostatin Expression or Somatostatin-Positive Gamma-Aminobutyric Acid Neurons: A Shared Pathology Across Brain Disorders. <i>Biological Psychiatry</i> , 2017, 81, 467-469.	0.7	10
100	Resilient protein co-expression network in male orbitofrontal cortex layer 2/3 during human aging. <i>Neurobiology of Aging</i> , 2017, 58, 180-190.	1.5	10
101	Transcriptional markers of excitation-inhibition balance in germ-free mice show region-specific dysregulation and rescue after bacterial colonization. <i>Journal of Psychiatric Research</i> , 2021, 135, 248-255.	1.5	9
102	Elevated Hippocampal Cholinergic Neurostimulating Peptide precursor protein (HCNP-pp) mRNA in the amygdala in major depression. <i>Journal of Psychiatric Research</i> , 2015, 63, 105-116.	1.5	8
103	No interaction between polygenic scores and childhood trauma in predicting suicide attempt in schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 89, 169-173.	2.5	8
104	Hippocampal $\hat{\pm}$ 5-GABAA Receptors Modulate Dopamine Neuron Activity in the Rat Ventral Tegmental Area. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 78-86.	1.0	8
105	Altered GABAergic Function, Cortical Microcircuitry, and Information Processing in Depression. , 2019, , 315-329.		7
106	Estimating and Correcting for Off-Target Cellular Contamination in Brain Cell Type Specific RNA-Seq Data. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 637143.	1.4	7
107	Chronic stress induces coordinated cortical microcircuit cell-type transcriptomic changes consistent with altered information processing. <i>Biological Psychiatry</i> , 2021, , .	0.7	7
108	Molecular origin of somatostatin-positive neuron vulnerability. <i>Molecular Psychiatry</i> , 2022, 27, 2304-2314.	4.1	7

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109	Novel polygenic risk score as a translational tool linking depression-related changes in the corticolimbic transcriptome with neural face processing and anhedonic symptoms. <i>Translational Psychiatry</i> , 2020, 10, 410.	2.4	6
110	Transcriptome-based polygenic score links depression-related corticolimbic gene expression changes to sex-specific brain morphology and depression risk. <i>Neuropsychopharmacology</i> , 2021, 46, 2304-2311.	2.8	5
111	Molecular and Cellular Evidence for Age by Disease Interactions: Updates and Path Forward. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 237-247.	0.6	3
112	Lower Levels of GABAergic Function Markers in Corticotropin-Releasing Hormone-Expressing Neurons in the sgACC of Human Subjects With Depression. <i>Frontiers in Psychiatry</i> , 2022, 13, 827972.	1.3	3
113	From serendipity to rational drug design in brain disorders: in silico, in vitro, and in vivo approaches. <i>Current Opinion in Pharmacology</i> , 2021, 60, 177-182.	1.7	1