

# Francis S Lee

## List of Publications by Year in descending order

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87  
papers

9,158  
citations

71102

41  
h-index

56724

83  
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89  
all docs

89  
docs citations

89  
times ranked

11856  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Adaptations Underlying Susceptibility and Resistance to Social Defeat in Brain Reward Regions. <i>Cell</i> , 2007, 131, 391-404.	28.9	1,927
2	Genetic Variant BDNF (Val66Met) Polymorphism Alters Anxiety-Related Behavior. <i>Science</i> , 2006, 314, 140-143.	12.6	1,201
3	Adolescent mental health—Opportunity and obligation. <i>Science</i> , 2014, 346, 547-549.	12.6	358
4	Altered fear learning across development in both mouse and human. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16318-16323.	7.1	334
5	Rare coding variants in ten genes confer substantial risk for schizophrenia. <i>Nature</i> , 2022, 604, 509-516.	27.8	326
6	The microbiota regulate neuronal function and fear extinction learning. <i>Nature</i> , 2019, 574, 543-548.	27.8	302
7	Slitrk5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsive-like behaviors in mice. <i>Nature Medicine</i> , 2010, 16, 598-602.	30.7	281
8	Variant Brain-Derived Neurotrophic Factor Val66Met Polymorphism Alters Vulnerability to Stress and Response to Antidepressants. <i>Journal of Neuroscience</i> , 2012, 32, 4092-4101.	3.6	253
9	proBDNF Negatively Regulates Neuronal Remodeling, Synaptic Transmission, and Synaptic Plasticity in Hippocampus. <i>Cell Reports</i> , 2014, 7, 796-806.	6.4	238
10	D-Cycloserine Augmentation of Exposure-Based Cognitive Behavior Therapy for Anxiety, Obsessive-Compulsive, and Posttraumatic Stress Disorders. <i>JAMA Psychiatry</i> , 2017, 74, 501.	11.0	236
11	FAAH genetic variation enhances fronto-amygdala function in mouse and human. <i>Nature Communications</i> , 2015, 6, 6395.	12.8	227
12	D-Cycloserine Augmentation of Exposure Therapy for Post-Traumatic Stress Disorder: A Pilot Randomized Clinical Trial. <i>Neuropsychopharmacology</i> , 2014, 39, 1052-1058.	5.4	191
13	Activation of Trk Neurotrophin Receptor Signaling by Pituitary Adenylate Cyclase-activating Polypeptides. <i>Journal of Biological Chemistry</i> , 2002, 277, 9096-9102.	3.4	178
14	GIPC and GAIP Form a Complex with TrkA: A Putative Link between G Protein and Receptor Tyrosine Kinase Pathways. <i>Molecular Biology of the Cell</i> , 2001, 12, 615-627.	2.1	151
15	The Role of the Endocannabinoid System and Genetic Variation in Adolescent Brain Development. <i>Neuropsychopharmacology</i> , 2018, 43, 21-33.	5.4	139
16	Variant BDNF Val66Met Polymorphism Affects Extinction of Conditioned Aversive Memory. <i>Journal of Neuroscience</i> , 2009, 29, 4056-4064.	3.6	135
17	Distinctive features of Trk neurotrophin receptor transactivation by G protein-coupled receptors. <i>Cytokine and Growth Factor Reviews</i> , 2002, 13, 11-17.	7.2	133
18	Dynamic changes in neural circuitry during adolescence are associated with persistent attenuation of fear memories. <i>Nature Communications</i> , 2016, 7, 11475.	12.8	127

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19	Cannabis and the Developing Brain: Insights into Its Long-Lasting Effects. <i>Journal of Neuroscience</i> , 2019, 39, 8250-8258.	3.6	124
20	Protective effects of elevated anandamide on stress and fear-related behaviors: translational evidence from humans and mice. <i>Molecular Psychiatry</i> , 2020, 25, 993-1005.	7.9	103
21	Acetyl- <a href="#">L-carnitine</a> deficiency in patients with major depressive disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8627-8632.	7.1	102
22	Role of the Astroglial Glutamate Exchanger xCT in Ventral Hippocampus in Resilience to Stress. <i>Neuron</i> , 2017, 96, 402-413.e5.	8.1	98
23	Variant Brain-Derived Neurotrophic Factor (Valine66Methionine) Polymorphism Contributes to Developmental and Estrous Stage-Specific Expression of Anxiety-Like Behavior in Female Mice. <i>Biological Psychiatry</i> , 2012, 72, 499-504.	1.3	94
24	Treating the Developing versus Developed Brain: Translating Preclinical Mouse and Human Studies. <i>Neuron</i> , 2015, 86, 1358-1368.	8.1	88
25	Slitrk5 Mediates BDNF-Dependent TrkB Receptor Trafficking and Signaling. <i>Developmental Cell</i> , 2015, 33, 690-702.	7.0	81
26	Ventral hippocampus interacts with prelimbic cortex during inhibition of threat response via learned safety in both mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26970-26979.	7.1	78
27	mGreenLantern: a bright monomeric fluorescent protein with rapid expression and cell filling properties for neuronal imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30710-30721.	7.1	76
28	BDNF variant Val66Met interacts with estrous cycle in the control of hippocampal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4395-4400.	7.1	73
29	Individual differences in frontolimbic circuitry and anxiety emerge with adolescent changes in endocannabinoid signaling across species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4500-4505.	7.1	72
30	Sensitive Periods in Affective Development: Nonlinear Maturation of Fear Learning. <i>Neuropsychopharmacology</i> , 2015, 40, 50-60.	5.4	71
31	Brain-Derived Neurotrophic Factor Val66Met Human Polymorphism Impairs the Beneficial Exercise-Induced Neurobiological Changes in Mice. <i>Neuropsychopharmacology</i> , 2016, 41, 3070-3079.	5.4	70
32	Endocannabinoid Signaling Collapse Mediates Stress-Induced Amygdalo-Cortical Strengthening. <i>Neuron</i> , 2020, 105, 1062-1076.e6.	8.1	62
33	The Role of BDNF in the Development of Fear Learning. <i>Depression and Anxiety</i> , 2016, 33, 907-916.	4.1	59
34	Insulin receptor substrate in brain-enriched exosomes in subjects with major depression: on the path of creation of biosignatures of central insulin resistance. <i>Molecular Psychiatry</i> , 2021, 26, 5140-5149.	7.9	59
35	A sexually dimorphic pre-stressed translational signature in CA3 pyramidal neurons of BDNF Val66Met mice. <i>Nature Communications</i> , 2017, 8, 808.	12.8	57
36	Using a Developmental Ecology Framework to Align Fear Neurobiology Across Species. <i>Annual Review of Clinical Psychology</i> , 2019, 15, 345-369.	12.3	57

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37	The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. <i>Neuron</i> , 2018, 99, 163-178.e6.	8.1	53
38	Translating Developmental Neuroscience to Understand Risk for Psychiatric Disorders. <i>American Journal of Psychiatry</i> , 2019, 176, 179-185.	7.2	53
39	Differential effects of BDNF and neurotrophin 4 (NT4) on endocytic sorting of TrkB receptors. <i>Journal of Neurochemistry</i> , 2016, 138, 397-406.	3.9	51
40	BDNFVal66met polymorphism: a potential bridge between depression and thrombosis. <i>European Heart Journal</i> , 2017, 38, ehv655.	2.2	49
41	Blockade of alcohol escalation and relapse drinking by pharmacological FAAH inhibition in male and female C57BL/6J mice. <i>Psychopharmacology</i> , 2017, 234, 2955-2970.	3.1	43
42	Fear and Anxiety from Principle to Practice: Implications for When to Treat Youth With Anxiety Disorders. <i>Biological Psychiatry</i> , 2014, 75, e19-e20.	1.3	42
43	Involvement of Endocannabinoids in Alcohol Binge Drinking: Studies of Mice with Human Fatty Acid Amide Hydrolase Genetic Variation and After CB1 Receptor Antagonists. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 467-473.	2.4	36
44	Changes in Dosing and Dose Timing of D-Cycloserine Explain Its Apparent Declining Efficacy for Augmenting Exposure Therapy for Anxiety-related Disorders: An Individual Participant-data Meta-analysis. <i>Journal of Anxiety Disorders</i> , 2019, 68, 102149.	3.2	36
45	Role for fatty acid amide hydrolase (FAAH) in the leptin-mediated effects on feeding and energy balance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7605-7610.	7.1	35
46	Role of BDNF in the development of an OFC-amygdala circuit regulating sociability in mouse and human. <i>Molecular Psychiatry</i> , 2021, 26, 955-973.	7.9	32
47	Mitochondrial Complex I Deficiency in Schizophrenia and Bipolar Disorder and Medication Influence. <i>Molecular Neuropsychiatry</i> , 2017, 3, 157-169.	2.9	31
48	Bex3 Dimerization Regulates NGF-Dependent Neuronal Survival and Differentiation by Enhancing <i>trkA</i> Gene Transcription. <i>Journal of Neuroscience</i> , 2015, 35, 7190-7202.	3.6	30
49	An Adolescent Sensitive Period for Threat Responding: Impacts of Stress and Sex. <i>Biological Psychiatry</i> , 2021, 89, 651-658.	1.3	25
50	Rare Synaptogenesis-Impairing Mutations in SLITRK5 Are Associated with Obsessive Compulsive Disorder. <i>PLoS ONE</i> , 2017, 12, e0169994.	2.5	25
51	Diminished Fear Extinction in Adolescents Is Associated With an Altered Somatostatin Interneuron-Mediated Inhibition in the Infralimbic Cortex. <i>Biological Psychiatry</i> , 2019, 86, 682-692.	1.3	23
52	SorCS2 is required for social memory and trafficking of the NMDA receptor. <i>Molecular Psychiatry</i> , 2021, 26, 927-940.	7.9	23
53	Common Polymorphisms in the Age of Research Domain Criteria (RDoC): Integration and Translation. <i>Biological Psychiatry</i> , 2016, 79, 25-31.	1.3	22
54	The BDNF Val66Met polymorphism enhances glutamatergic transmission but diminishes activity-dependent synaptic plasticity in the dorsolateral striatum. <i>Neuropharmacology</i> , 2017, 112, 84-93.	4.1	22

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55	The relationship between posttraumatic and depressive symptoms during virtual reality exposure therapy with a cognitive enhancer. <i>Journal of Anxiety Disorders</i> , 2019, 61, 82-88.	3.2	22
56	The Endocannabinoid System: A New Treatment Target for Obsessive Compulsive Disorder?. <i>Cannabis and Cannabinoid Research</i> , 2019, 4, 77-87.	2.9	20
57	Variant BDNF-Val66Met Polymorphism is Associated with Layer-Specific Alterations in GABAergic Innervation of Pyramidal Neurons, Elevated Anxiety and Reduced Vulnerability of Adolescent Male Mice to Activity-Based Anorexia. <i>Cerebral Cortex</i> , 2017, 27, 3980-3993.	2.9	19
58	Effect of Early-Life Fluoxetine on Anxiety-Like Behaviors in BDNF Val66Met Mice. <i>American Journal of Psychiatry</i> , 2017, 174, 1203-1213.	7.2	19
59	Impact of BDNF Val66Met Polymorphism on Myocardial Infarction: Exploring the Macrophage Phenotype. <i>Cells</i> , 2020, 9, 1084.	4.1	19
60	Endocannabinoid genetic variation enhances vulnerability to THC reward in adolescent female mice. <i>Science Advances</i> , 2020, 6, eaay1502.	10.3	19
61	Optimizing treatments for anxiety by age and genetics. <i>Annals of the New York Academy of Sciences</i> , 2015, 1345, 16-24.	3.8	16
62	Alteration of the Centromedial Amygdala Glutamatergic Synapses by the BDNF Val66Met Polymorphism. <i>Neuropsychopharmacology</i> , 2015, 40, 2269-2277.	5.4	16
63	Physical Exercise Affects Adipose Tissue Profile and Prevents Arterial Thrombosis in BDNF Val66Met Mice. <i>Cells</i> , 2019, 8, 875.	4.1	16
64	Identification of potential blood biomarkers associated with suicide in major depressive disorder. <i>Translational Psychiatry</i> , 2022, 12, 159.	4.8	16
65	Sub-Chronic Stress Exacerbates the Pro-Thrombotic Phenotype in BDNFVal/Met Mice: Gene-Environment Interaction in the Modulation of Arterial Thrombosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3235.	4.1	15
66	SLITRK5 is a negative regulator of hedgehog signaling in osteoblasts. <i>Nature Communications</i> , 2021, 12, 4611.	12.8	15
67	Pre-adolescent stress disrupts adult, but not adolescent, safety learning. <i>Behavioural Brain Research</i> , 2021, 400, 113005.	2.2	14
68	Endocannabinoids and Stress Resilience: Is Deficiency Sufficient to Promote Vulnerability?. <i>Biological Psychiatry</i> , 2016, 79, 792-793.	1.3	13
69	Global epigenetic analysis of BDNF Val66Met mice hippocampus reveals changes in dendrite and spine remodeling genes. <i>Hippocampus</i> , 2018, 28, 783-795.	1.9	13
70	Epigenetic intersection of BDNF Val66Met genotype with premenstrual dysphoric disorder transcriptome in a cross-species model of estradiol add-back. <i>Molecular Psychiatry</i> , 2020, 25, 572-583.	7.9	13
71	Connective Tissue Growth Factor Is a Novel Prodepressant. <i>Biological Psychiatry</i> , 2018, 84, 555-562.	1.3	12
72	D3 dopamine receptors and a missense mutation of fatty acid amide hydrolase linked in mouse and men: implication for addiction. <i>Neuropsychopharmacology</i> , 2020, 45, 745-752.	5.4	12

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73	Effects of the BDNF Val66Met Polymorphism on Anxiety-Like Behavior Following Nicotine Withdrawal in Mice. <i>Nicotine and Tobacco Research</i> , 2015, 17, 1428-1435.	2.6	11
74	Genomic modules and intramodular network concordance in susceptible and resilient male mice across models of stress. <i>Neuropsychopharmacology</i> , 2022, 47, 987-999.	5.4	11
75	Enhanced exposure therapy for combat-related Posttraumatic Stress Disorder (PTSD): Study protocol for a randomized controlled trial. <i>Contemporary Clinical Trials</i> , 2019, 87, 105857.	1.8	9
76	Scn2a severe hypomorphic mutation decreases excitatory synaptic input and causes autism-associated behaviors. <i>JCI Insight</i> , 2021, 6, .	5.0	9
77	Corticosterone induces discrete epigenetic signatures in the dorsal and ventral hippocampus that depend upon sex and genotype: focus on methylated Nr3c1 gene. <i>Translational Psychiatry</i> , 2022, 12, 109.	4.8	9
78	TrkB deubiquitination by USP8 regulates receptor levels and BDNF-dependent neuronal differentiation. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	8
79	The Added Value of Crosstalk Between Developmental Circuit Neuroscience and Clinical Practice to Inform the Treatment of Adolescent Anxiety. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 169-178.	2.2	6
80	Effects of Rapastinel (Formerly GLYX-13) on Serum Brain-Derived Neurotrophic Factor in Obsessive-Compulsive Disorder. <i>Journal of Clinical Psychiatry</i> , 2018, 79, 17111824.	2.2	4
81	The $\beta$ -adrenergic receptor pathway modulating depression influences the risk of arterial thrombosis associated with BDNFVal66Met polymorphism. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112557.	5.6	4
82	New Roles for an Ancient Factor. <i>Trends in Neurosciences</i> , 2018, 41, 765-767.	8.6	3
83	Genetic Variants of Fatty Acid Amide Hydrolase Modulate Acute Inflammatory Responses to Colitis in Adult Male Mice. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 764706.	3.7	3
84	Foreword to Childhood Onset Developmental Disorders. <i>Annals of the New York Academy of Sciences</i> , 2013, 1304, iii-iii.	3.8	0
85	New Insights into the Biology of the BDNF Transcriptional $\beta$ -Code™. <i>Neuropsychopharmacology</i> , 2016, 41, 1941-1942.	5.4	0
86	SorCS is highly expressed in the CA2 region of the hippocampus and is enriched in the postsynaptic region. <i>Molecular Psychiatry</i> , 2021, 26, 721-721.	7.9	0
87	Dynamic Desensitization of $G_{\alpha q}$ Signaling and $G_{\alpha q}$ -dependent GPCR Crosstalk by GRKs. <i>FASEB Journal</i> , 2022, 36, .	0.5	0