

# Hsien-Yuan Lane

## List of Publications by Citations

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79  
papers

2,513  
citations

25  
h-index

49  
g-index

84  
ext. papers

3,191  
ext. citations

4.8  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
79	Glycine transporter I inhibitor, N-methylglycine (sarcosine), added to antipsychotics for the treatment of schizophrenia. <i>Biological Psychiatry</i> , <b>2004</b> , 55, 452-6	7.9	282
78	Sarcosine or D-serine add-on treatment for acute exacerbation of schizophrenia: a randomized, double-blind, placebo-controlled study. <i>Archives of General Psychiatry</i> , <b>2005</b> , 62, 1196-204		227
77	Glycine transporter I inhibitor, N-methylglycine (sarcosine), added to clozapine for the treatment of schizophrenia. <i>Biological Psychiatry</i> , <b>2006</b> , 60, 645-9	7.9	148
76	Add-on treatment of benzoate for schizophrenia: a randomized, double-blind, placebo-controlled trial of D-amino acid oxidase inhibitor. <i>JAMA Psychiatry</i> , <b>2013</b> , 70, 1267-75	14.5	144
75	Sarcosine (N-methylglycine) treatment for acute schizophrenia: a randomized, double-blind study. <i>Biological Psychiatry</i> , <b>2008</b> , 63, 9-12	7.9	132
74	A randomized, double-blind, placebo-controlled comparison study of sarcosine (N-methylglycine) and D-serine add-on treatment for schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , <b>2010</b> , 13, 451-60	5.8	128
73	Glutamate signaling in the pathophysiology and therapy of schizophrenia. <i>Pharmacology Biochemistry and Behavior</i> , <b>2012</b> , 100, 665-77	3.9	106
72	Machine learning and systems genomics approaches for multi-omics data. <i>Biomarker Research</i> , <b>2017</b> , 5, 2	8	99
71	Benzoate, a D-amino acid oxidase inhibitor, for the treatment of early-phase Alzheimer disease: a randomized, double-blind, placebo-controlled trial. <i>Biological Psychiatry</i> , <b>2014</b> , 75, 678-85	7.9	80
70	Reversible metabolism of clozapine and clozapine N-oxide in schizophrenic patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1998</b> , 22, 723-39	5.5	68
69	Sodium Benzoate, a D-Amino Acid Oxidase Inhibitor, Added to Clozapine for the Treatment of Schizophrenia: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Biological Psychiatry</i> , <b>2018</b> , 84, 422-432	7.9	65
68	Brain Stimulation in Alzheimer's Disease. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 201	5	58
67	NMDA Neurotransmission Dysfunction in Behavioral and Psychological Symptoms of Alzheimer's Disease. <i>Current Neuropharmacology</i> , <b>2012</b> , 10, 272-85	7.6	55
66	Adjunctive sarcosine plus benzoate improved cognitive function in chronic schizophrenia patients with constant clinical symptoms: A randomised, double-blind, placebo-controlled trial. <i>World Journal of Biological Psychiatry</i> , <b>2017</b> , 18, 357-368	3.8	53
65	Blood levels of D-amino acid oxidase vs. D-amino acids in reflecting cognitive aging. <i>Scientific Reports</i> , <b>2017</b> , 7, 14849	4.9	48
64	Assessing gene-gene interactions in pharmacogenomics. <i>Molecular Diagnosis and Therapy</i> , <b>2012</b> , 16, 15-27	5	46
63	NMDA neurotransmission dysfunction in mild cognitive impairment and Alzheimer's disease. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 5169-79	3.3	44

62	Decreased mRNA expression for the two subunits of system xc(-), SLC3A2 and SLC7A11, in WBC in patients with schizophrenia: Evidence in support of the hypo-glutamatergic hypothesis of schizophrenia. <i>Journal of Psychiatric Research</i> , <b>2016</b> , 72, 58-63	5.2	36
61	d-glutamate and Gut Microbiota in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	32
60	Precision Psychiatry Applications with Pharmacogenomics: Artificial Intelligence and Machine Learning Approaches. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	32
59	Genome-wide association studies in pharmacogenomics of antidepressants. <i>Pharmacogenomics</i> , <b>2015</b> , 16, 555-66	2.6	30
58	Early Identification and Intervention of Schizophrenia: Insight From Hypotheses of Glutamate Dysfunction and Oxidative Stress. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 93	5	28
57	Medications Used for Cognitive Enhancement in Patients With Schizophrenia, Bipolar Disorder, Alzheimer's Disease, and Parkinson's Disease. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 91	5	28
56	Distinctively higher plasma G72 protein levels in patients with schizophrenia than in healthy individuals. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 636-7	15.1	27
55	D-glutamate, D-serine, and D-alanine differ in their roles in cognitive decline in patients with Alzheimer's disease or mild cognitive impairment. <i>Pharmacology Biochemistry and Behavior</i> , <b>2019</b> , 185, 172760	3.9	26
54	Effect of N-methyl-D-aspartate-receptor-enhancing agents on cognition in patients with schizophrenia: A systematic review and meta-analysis of double-blind randomised controlled trials. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 436-448	4.6	23
53	Evaluation of psychometric properties of the Chinese Mandarin version State-Trait Anxiety Inventory Y form in Taiwanese outpatients with anxiety disorders. <i>Journal of Psychiatric and Mental Health Nursing</i> , <b>2013</b> , 20, 499-507	2.4	23
52	Acute Amino Acid d-Serine Administration, Similar to Ketamine, Produces Antidepressant-like Effects through Identical Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 10792-10803	5.7	23
51	Genetic Biomarkers on Age-Related Cognitive Decline. <i>Frontiers in Psychiatry</i> , <b>2017</b> , 8, 247	5	23
50	Emotional management and 5-HT2A receptor gene variance in patients with schizophrenia. <i>Biological Psychology</i> , <b>2010</b> , 83, 79-83	3.2	23
49	Relevant Applications of Generative Adversarial Networks in Drug Design and Discovery: Molecular Design, Dimensionality Reduction, and Peptide and Protein Design. <i>Molecules</i> , <b>2020</b> , 25,	4.8	23
48	Gender-specific differences in susceptibility to low-dose methadone-associated QTc prolongation in patients with heroin dependence. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2012</b> , 23, 527-33	2.7	22
47	Combination of Genetic Variation and G72 Protein Level to Detect Schizophrenia: Machine Learning Approaches. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 566	5	21
46	The C-terminal region of G72 increases D-amino acid oxidase activity. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 15, 29-43	6.3	20
45	Machine Learning and Novel Biomarkers for the Diagnosis of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	18

44	An Ensemble Approach to Predict Schizophrenia Using Protein Data in the N-methyl-D-Aspartate Receptor (NMDAR) and Tryptophan Catabolic Pathways. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 569	5.8	16
43	The Role of N-Methyl-D-Aspartate Receptor Neurotransmission and Precision Medicine in Behavioral and Psychological Symptoms of Dementia. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 540	5.6	15
42	Sensitivity and specificity of the Chinese version of the Schizotypal Personality Questionnaire-Brief for identifying undergraduate students susceptible to psychosis. <i>International Journal of Nursing Studies</i> , <b>2010</b> , 47, 1535-44	5.8	14
41	Shifting from haloperidol to risperidone for behavioral disturbances in dementia: safety, response predictors, and mood effects. <i>Journal of Clinical Psychopharmacology</i> , <b>2002</b> , 22, 4-10	1.7	14
40	NMDA pathology and treatment of schizophrenia. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 5118-26	3.3	14
39	Altered mRNA expressions for N-methyl-D-aspartate receptor-related genes in WBC of patients with major depressive disorder. <i>Journal of Affective Disorders</i> , <b>2019</b> , 245, 1119-1125	6.6	14
38	Sodium benzoate for the treatment of behavioral and psychological symptoms of dementia (BPSD): A randomized, double-blind, placebo-controlled, 6-week trial. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 1030-1033	4.6	11
37	Efficacy and cognitive effect of sarcosine (N-methylglycine) in patients with schizophrenia: A systematic review and meta-analysis of double-blind randomised controlled trials. <i>Journal of Psychopharmacology</i> , <b>2020</b> , 34, 495-505	4.6	11
36	Precision Medicine of Sodium Benzoate for the Treatment of Behavioral and Psychological Symptoms of Dementia (BPSD). <i>Neuropsychiatric Disease and Treatment</i> , <b>2020</b> , 16, 509-518	3.1	11
35	A model testing factors that influence physical activity for Taiwanese adults with anxiety. <i>Research in Nursing and Health</i> , <b>2008</b> , 31, 476-89	2	11
34	An International Adult Guideline for Making Clozapine Titration Safer by Using Six Ancestry-Based Personalized Dosing Titrations, CRP, and Clozapine Levels.. <i>Pharmacopsychiatry</i> , <b>2021</b> , 55,	2	11
33	Novel Treatment for the Most Resistant Schizophrenia: Dual Activation of NMDA Receptor and Antioxidant. <i>Current Drug Targets</i> , <b>2020</b> , 21, 610-615	3	10
32	Effect of Sodium Benzoate on Cognitive Function Among Patients With Behavioral and Psychological Symptoms of Dementia: Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Network Open</i> , <b>2021</b> , 4, e216156	10.4	10
31	pLG72 levels increase in early phase of Alzheimer's disease but decrease in late phase. <i>Scientific Reports</i> , <b>2019</b> , 9, 13221	4.9	9
30	Involvement of Cholinergic, Adrenergic, and Glutamatergic Network Modulation with Cognitive Dysfunction in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	9
29	Deep Learning with Neuroimaging and Genomics in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	8
28	Brain Activity of Benzoate, a D-Amino Acid Oxidase Inhibitor, in Patients With Mild Cognitive Impairment in a Randomized, Double-Blind, Placebo Controlled Clinical Trial. <i>International Journal of Neuropsychopharmacology</i> , <b>2021</b> , 24, 392-399	5.8	8
27	Plasma d-glutamate levels for detecting mild cognitive impairment and Alzheimer's disease: Machine learning approaches. <i>Journal of Psychopharmacology</i> , <b>2021</b> , 35, 265-272	4.6	7

26	Oxytocin in Schizophrenia: Pathophysiology and Implications for Future Treatment. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7
25	An Investigation into Smartphone Addiction with Personality and Sleep Quality among University Students. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	6
24	From Menopause to Neurodegeneration-Molecular Basis and Potential Therapy. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
23	Trough Melatonin Levels Differ between Early and Late Phases of Alzheimer Disease. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2021</b> , 19, 135-144	3.4	5
22	Plasma Glutathione Levels Decreased with Cognitive Decline among People with Mild Cognitive Impairment (MCI): A Two-Year Prospective Study. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4
21	Molecular Basis of Late-Life Depression. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
20	C-reactive protein is associated with severity of thought and language dysfunction in patients with schizophrenia. <i>Neuropsychiatric Disease and Treatment</i> , <b>2019</b> , 15, 2621-2627	3.1	3
19	Risk Assessment for Heroin Use and Craving Score Using Polygenic Risk Score. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	3
18	Prediction of functional outcomes of schizophrenia with genetic biomarkers using a bagging ensemble machine learning method with feature selection. <i>Scientific Reports</i> , <b>2021</b> , 11, 10179	4.9	3
17	Applying a bagging ensemble machine learning approach to predict functional outcome of schizophrenia with clinical symptoms and cognitive functions. <i>Scientific Reports</i> , <b>2021</b> , 11, 6922	4.9	3
16	Novel Therapeutic Approaches for Alzheimer's Disease: An Updated Review. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
15	Cystine/Glutamate Antiporter in Schizophrenia: From Molecular Mechanism to Novel Biomarker and Treatment. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
14	Genetic Effects and on Visual Learning of Patients with Schizophrenia. <i>Neuropsychiatric Disease and Treatment</i> , <b>2020</b> , 16, 771-780	3.1	2
13	Machine Learning and Deep Learning for the Pharmacogenomics of Antidepressant Treatments. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2021</b> , 19, 577-588	3.4	2
12	Effects of the Health-Awareness-Strengthening Lifestyle Program in a Randomized Trial of Young Adults with an At-Risk Mental State. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
11	Novel Biomarkers of Alzheimer's Disease: Based Upon N-methyl-D-aspartate Receptor Hypoactivation and Oxidative Stress. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2021</b> , 19, 423-433	3.4	2
10	Effects of donepezil on cognition and global functioning in patients with delayed encephalopathy after carbon monoxide poisoning: A case series. <i>Psychiatry and Clinical Neurosciences</i> , <b>2019</b> , 73, 348	6.2	1
9	Effects of sodium benzoate, a D-amino acid oxidase inhibitor, on perceived stress and cognitive function among patients with late-life depression: A randomized, double-blind, sertraline- and placebo-controlled trial. <i>International Journal of Neuropsychopharmacology</i> , <b>2022</b> ,	5.8	1

8	Distinctively lower DISC1 mRNA levels in patients with schizophrenia, especially in those with higher positive, negative, and depressive symptoms.. <i>Pharmacology Biochemistry and Behavior</i> , <b>2022</b> , 173335	3.9	1
7	Suicide Ideation among Outpatients with Alcohol Use Disorder.. <i>Behavioural Neurology</i> , <b>2022</b> , 2022, 4138629	3.6	1
6	Efficiency of an Online Health-Promotion Program in Individuals with At-Risk Mental State during the COVID-19 Pandemic. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
5	d-Amino Acids and pLG72 in Alzheimer's Disease and Schizophrenia. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
4	Benzoate treatment for adolescent anti-NMDAR encephalitis. <i>Schizophrenia Research</i> , <b>2020</b> , 222, 472-473	3.6	1
3	Characterization of Potential Protein Biomarkers for Major Depressive Disorder Using Matrix-Assisted Laser Desorption Ionization/Time-of-Flight Mass Spectrometry. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
2	In Reply: Trough Melatonin Levels Have No Physiological or Clinical Relevance. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2021</b> , 19, 393	3.4	
1	Association of a Common NOS1AP Variant with Attenuation of QTc Prolongation in Men with Heroin Dependence Undergoing Methadone Treatment. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12, 835	3.6	