

ICCN2024 Poster List

(Updated on 25 Nov 2024)

No.	Title	Presenter (Affiliation)
1	Adaptive Neural Model of Arm Control Inspired by Human Motor with Incomplete Instruction	CUI LAN YUN (Beihang University)
2	Looming Detection in Complex Dynamic Visual Scenes by Interneuronal Coordination of Motion and Feature Pathways	Gu Bo (Fudan University)
3	The VEP Booster: A Closed-Loop AI System for Visual EEG Biomarker Auto-generation	Jun Junwen (Fudan University)
4	Early Diagnosis of Parkinson's Disease Based on Functional Magnetic Resonance Imaging and Deep Learning	Pan Yang (Nanjing Medical University)
5	Millimeter wave radar was used to detect gait characteristics and predict the severity of gait impairments in patients with Parkinson's disease	Pan Yang (Nanjing Medical University)
6	Extracting Gene Expression Variations in Single-Cell RNA-Sequencing Data using Autoencoders and Mutual Information Maximizer	TODA TOMOKI (Graduate School of Engineering, Fukuoka Institute of Technology)
7	Critical dynamics underlie optimal perception modulated by acetylcholine	Su Chun-Wang (Xi'an Jiaotong University)
8	Examining the Cognitive and Neural Correlates of Multitasking Abilities in Adolescents	Chen Anna (Lingnan University)
9	Cognitive reappraisal surpasses acceptance in shaping neural and behavioral responses to pain	HU YUZHEN (Shenzhen University)
10	Resting-state EEG microstate dynamics in social anxiety: The moderating role of childhood neglect	Zhang Huoyin (Shenzhen University)
11	Pain in focus: How persistent pain disrupts the attentional bias towards pain-related information	LI JIA (Shenzhen University)
12	Prediction of Auditory Improvement Using Brain Language Network Development for Cochlear Implanted Toddlers	Zhao Xue (Beijing Normal University)
13	Chaotic firing and riddled chaotic basin in 4D Wilson neocortical neuron model	Guan Xinqi (Xi'an Jiaotong University)

14	Characterizing the dynamical properties of directed functional epilepsy networks via eigenmode assessment	HOU SONG AN (Beihang University)
15	Stochastic cubic models of EEG dynamics during sleep-onset	Hu Zhenxing (FEMTO-ST Institute)
16	Effects of cognitive training on phase space	LI JIN HANG (Zhejiang university)
17	Modulation of synchronous and asynchronous vesicle release with different calcium sensors	Li Yinyun (OIST)
18	Power Spectra Learning for Multiple Rhythm Generation in RNN	NAKAMURA SHOTA (Fukuoka Institute of Technology)
19	Exploring the temporal structure of resting-state EEG in individuals with OCD	Proshina Ekaterina (Institute of Higher Nervous Activity and Neurophysiology of RAS)
20	A Multi-Scale Information Fusion Approach for Brain Network Construction in Epileptic EEG Analysis	REN ZHI WEN (FUDAN UNIVERSITY)
21	Covariance spectrum in nonlinear recurrent neural networks and transition to chaos	SHEN XUAN YU (Hong Kong University of Science and Technology)
22	Excitation-inhibition homeostasis facilitates functional recovery in individualized stroke whole-brain models	WANG HAO DONG (Beihang University)
23	Kinetic modeling of cortical slow wave oscillations during sleep	XU XUYING (East China University of Science and Technology)
24	Critical avalanches in excitation–inhibition balanced networks reconcile response reliability with sensitivity for optimal neural representation	Yang Zhuda (Hong Kong Baptist University)
25	Exploring Neural Dynamics in Arm Movement Control: Insights from Heterogeneous Attractor Networks	YIN LINING (Beihang University)
26	Spatiotemporal Modeling of Epileptic Seizure Dynamics for Reliable SOZ Prediction	ZHANG Yi Nuo (Southern University of Science and Technology)
27	Heterogeneity and asymmetry interactions reconstruction of large-scale circuit model	CHANG JIA WEN (Hong Kong Baptist University)
28	Characterization of sharp-wave ripples in a hippocampal neural mass model	Li Qiang (Northwest University)
29	Intranasal Oxytocin Alleviates Social Pain Sensitivity in Adults with High Autistic Traits	Lin Xinxin (Shenzhen University)
30	Histamine and spindle refractory periods: a computational modeling study	Wang Bo (Northwest university)
31	A Practical Brain-Computer Interface Method Integrating Eye Tracking and EEG for Next-Generation Television Applications	LIU CHANG (Communication University of Zhejiang)

32	Analytical refractory period distribution for a class of time-variant biochemical system with second-order reactions	RAO CHANG QIAN (FUDAN University)
33	Bridging Individual Differences to Task Performance Through Sloppiness Analysis of Brain Network	CHEN Sida (Hong Kong Baptist University)
34	Graph convolutional autoencoder networks for fMRI-based Brain-age prediction	Xia Jianan (Beijing Jiaotong University)
35	The therapeutic effect of scalp acupuncture on natal autism and regressive autism	Yau Chuen Heung (The University of Hong Kong)
36	Deep Learning Identified Multimodal Neuroimaging Biomarkers for Motor Severity in Parkinson' Disease	Zhao Shuzhi (Shenzhen Institute of Advanced Technology Chinese Academy of Sciences)
37	Exploring the Significance of Group Mutation in Evolutionary Learning by Training Spiking Neural Network on XOR Task	Ruiqi FU (Hong Kong Baptist University)
38	Integrating Dynamic Brain Connectivity and Transcriptomic Imaging in Major Depressive Disorder	Liu Qingjin (University of Electronic Science and Technology of China)
39	The Effect of the Feedback Inhibition of Heterogeneous External Globus Pallidus in an Extended Basal Ganglia Network	SHI XIA (Beijing University of Posts and Telecommunications)
40	Synfire Chains in Theta-nested Gamma Oscillations balances Prediction and Vigilance	Li Kwan Tung (Hong Kong Baptist University)
41	Transdiagnostic EEG Microstate Analysis in Schizophrenia and Autism Spectrum Disorder	Vass Agota (Semmelweis University)
42	Rapid Semantic Analysis During Narrative Text Reading: An Event Related Potential (ERP) and Temporal Response Function (TRF) Study	Neklyudova Anastasia (Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Science)
43	The Integration and Retrieval Process of Memory in the Hippocampus	ZHANG HONGHUI (Northwestern polytechnical University)
44	The Critical and Strongly Connected Parietal Sub-network Supports The Emergence of Resting State Functional Connectivity	Songjun Peng (Hong Kong Baptist University)