

Name	Date	Title
Yang Lu	13.3.2009	Cerebellum balance control model
	10.4.2009	Cerebellum balance control model II
	4.9.2009	Breif Introduction about cerebellum balance model
Lina Liang	27.2.2009	The synthesis report about working memory
	4.9.2009	An intracellular Ca <sup>2+</sup> subsystem as a biologically lausable source of intrinsic conditional bistability in a network model of working memory
	25.9.2009	The Modeling and Simulation of Visuospatial Working Memory
	24.11.2009	The Modeling and Simulation of Visuospatial Working Memory
	15.10.2010	The role of DA in working memory
	1.11.2011	The Modeling and Simulation of Visuospatial Working Memory
Xiaodan Zhang	14.11.2008	Stochastic evolution model of neuronal oscillator population under the condition of the higher order Coupling
	28.11.2008	
	5.12.2009	
	19.12.2009	
Yan Liu	14.3.2008	Phase Resetting in Medicine and Biology(chapter 1):Introduction
	20.3.2008	Phase Resetting in Medicine and Biology(chapter 2):Deterministic Models
	6.6.2008	Phase Resetting in Medicine and Biology(chapter 2):Macroscopic Level
	14.11.2008	Phase Dynamic Model and Simulation in the Presence of Inhibitory Neurons
	28.11.2008	Simulation in the Presence of Inhibitory Neurons
	5.12.2008	Simulation and conclusion in the Presence of Inhibitory Neurons
	19.12.2008	Introduction:Analysis of Neurodynamics on Phase Neural Coding in the Presence of Inhibitory Neurons
	6.3.2009	Conference ppt:Analysis of Neurodynamics on Phase Neural Coding in the Presence of Inhibitory Neurons
Nan Wang	1.9.2008	Spatial Memory I
	14.11.2008	Spatial Memory II
	12.12.2008	Spatial Memory--New direction
	11.1.2008	Human Movement Model Based on CPG
	7.3.2008	CPG Model-- Neural Oscillator Theory
	21.3.2008	Simulation on CPG Model
	11.4.2008	Simulation on CPG Model(continue)
	18.4.2008	Simulation on CPG Model-- Bicurral Network Model
	9.5.2008	Study on Input Signals of CPG Model
	27.6.2008	Simulation Study on the Parameter of CPG Model
	17.10.2008	Simulate rhythmic gait movement patterns based on CPG model

Wei Dong	28.11.2008	Simulation Study: rhythmic movement patterns controlled by CPG
	20.3.2009	Simulation Study of CPG model: Discussion on a certain characteristics of rhythm of gait movement on the intelligent creature
	17.4.2009	Modelling CPG: explores the rhythmic gait movement with cerebral cortex signal
	8.5.2009	Modelling CPG: explores the rhythmic gait movement with cerebral cortex signal
	5.6.2009	Modelling CPG: explores the rhythmic gait movement with cerebral cortex signal
	30.10.2009	CPG simulation
	27.11.2009	Auditory system
	28.5.2010	Modeling CPG:the characteristics of rhythmic gait movement
	5.11.2010	Simple cellular and network control principles govern complex patterns of motor behavior
Jianpeng Zhang	21.5.2007	Simulation of insects locomotion
	26.4.2008	The stability of locomtion
	20.6.2008	Non-holonomic stability aspects of piecewise-Holonomic systems
	5.12.2008	The perception of visual motion
	6.3.2009	A review on the process of visual motion
	13.3.2009	process of visual motion
	17.4.2009	process of visual motion
Chunjiang Fu	6.3.2008	Arm impedance control:references review
	27.3.2008	Arm impedance control:simulation results
	27.7.2008	Arm impedance control:simulation plan
	27.2.2009	Arm impedance control:simulation preparation
	10.4.2009	The math puzzle of OFC
	25.9.2009	The brain area of motion
	11.12.2009	The process of stochastic optimal control
	26.5.2010	Introduction of motor cognition
Kun Yang	13.3.2009	Complexity measures of EEG analysis.I
	20.3.2009	Complexity measures of EEG analysis.II
	22.5.2009	Complexity measures of EEG analysis.III
	25.9.2009	Analyzing EEG of Quasi-Brain-Death Based on Dynamic Approximate Entropy Measures
	30.10.2009	Analyzing EEG of Quasi-Brain-Death Based on Approximate Entropy Measures
	19.12.2009	ApEn
	5.3.2010	Analyzing EEG of Quasi-Brain-Death Based on Dynamic Approximate Entropy Measures. I
	28.5.2010	Analyzing EEG of Quasi-Brain-Death Based on Dynamic Approximate Entropy Measures. II
Jiong Wu	27.2.2009	A preliminary discussion of the neural dynamic mechanism and trajectory computation of human arm movement
	6.3.2009	Analysis of a muscular control system in human movements

	3. 4. 2009	Research of Periodic Motion Control in human movements I
	10. 4. 2009	Research of Periodic Motion Control in human movements II
Qingpeng Han	3. 4. 2009	Test of pulse signal and non-linearity analysis
Yi Zhou	10. 4. 2009	Coding of sound source
	25. 9. 2009	The modles of basilar membrane
	5. 11. 2009	Introduction of Beijing Auditory Conference
	4. 12. 2009	Thinking of how to modeling
	8. 12. 2009	Neurodynamics of auditory
	15. 12. 2009	Neurodynamics of auditory model
	24. 12. 2009	Considering of modeling target
	8. 1. 2010	the idea of BM modeling--charpter 1
	15. 1. 2010	the idea of BM modeling--charpter 2
	5. 3. 2010	the active coupling BM model
	10. 4. 2010	Neural coding of the sound localization
	26. 5. 2010	the vibration BM model with delay effect
	22. 10. 2010	Populations of auditory cortical neurons can accurately encode acoustic space across stimulusintensity
5. 11. 2010	Neural encoding of auditory discrimination in ventral premotor cortex	
Weigang Sun	10. 4. 2009	Complex networks: structure and dynamics
	5. 6. 2009	Introduction of complex brain networks
	18. 9. 2009	Synchronization and its control between two coupled networks
	18. 12. 2009	Synchronization between two coupled populations of phase oscillators
	21. 5. 2010	Analyzing EEG of brain-death based on complex network approach
	15. 10. 2010	Study on network model and its application in EEG analysis
	3. 12. 2010	Complex network approach for brain death determination
Jiyong Hu	14. 11. 2005	Nonlinear and viscoelastic characteristics
	12. 12. 2005	Effect of fingertip microstructures on tactile sensation
	19. 12. 2005	Tactical discrimination of softness
	30. 12. 2005	Models to represent and predict the responses
	16. 3. 2006	Discrimination of softness by touch
	11. 10. 2006	Analysis on biomechanical model of human fingers
	5. 12. 2006	Mechanical interaction between fabric and fingertip
	6. 3. 2007	Modeling of contact mechanics for human fingerpad
	1. 4. 2007	From optical flow to tactile flow. I
	13. 4. 2007	From optical flow to tactile flow. II
	9. 5. 2007	Tactile encoding of surface roughness
	7. 6. 2007	Relevant stimulus to mechanoreceptors
	11. 1. 2008	Biomechanics of fabric touch sensation. I

	3.7.2008	Biomechanics of fabric touch sensation. II
	15.10.2010	Neuromechanics of fabric-evoked prickliness
	26.11.2010	Response of skin mechanoreceptors to object surface textures in discrimination and identification tasks
	1.11.2011	Response of skin and cutaneous mechanoreceptors in tactile discrimination and identification tasks of fabric surface textures
Chuankui Yan	8.12.2009	Energy expression of H-H equation
	18.9.2008	Mechanism of LTP
	21.5.2010	neuron firing and energy coding based on the stochastic ion channel model
	5.11.2010	A neuron model based on Hamilton Principle and energy coding
	23.6.2.11	Hippocampus resonance memory model based on an adaptive learning rule of synapse
	17.11.2011	Asymmetric Neural Network Synchronization and Dynamics Based on an Adaptive Learning Rule of Synapses
Gaoya Cao	15.1.2010	Model of standing
	19.3.2010	Model of standing 2
Jichun Qu	15.1.2010	50 papers review
	19.3.2010	Illusory motion reversals from unambiguous motion
	23.4.2010	Neuromuscular control model of arm including feedback and feedforward components
Jinchao Zheng	15.1.2010	Communication of Neural network
	29.4.2010	Introduction of several neural codes and the function of miRNA in the nervous system
	23.6.2011	The minimum mutual information principle and the maximum entropy principle in analysis of neural coding
	14.10.2011	Exploration on the relation between the minimum mutual information, the maximum entropy principle and energy
	17.2.2012	The calculation of neural energy based on the information coding
	11.5.2012	The exploration about the nervous energy in ring-like and grid-like neuronal networks under the coupling conditions
	1.6.2012	The exploration about the nervous energy in ring-like and grid-like neuronal networks under the coupling conditions
	15.6.2012	The exploration about the nervous energy in ring-like and grid-like neuronal networks under the coupling conditions
	29.6.2012	The exploration about the nervous energy in ring-like and grid-like neuronal networks under the coupling conditions
	14.9.2012	The energy assessment of neural information coding

Ying Du	4.12.2009	The introduction of KIII model
	28.5.2010	the introduction of olfactory models
	8.10.2010	Spike synchronization in a model of the olfactory bulb
	4.3.2011	Spike train pattern analysis in a network model of the olfactory bulb
	11.1.2011	Spike train pattern and firing synchronization in a model of the olfactory mitral cell
	2.11.2012	Spike train pattern and firing synchronization in a model of the olfactory mitral cell
Xuying Xu	12.3.2010	Kinetic Models of Synaptic Transmission
	30.4.2010	Models of NMDA and LTP
	4.3.2011	Kinetics of the synaptic on the learning and memory
	14.10.2011	Burst Spiking of a Single Cortical Neuron Modifies Global Brain State
	18.5.2012	Network model of spontaneous activity exhibiting synchronous transitions between up and down states
	8.6.2012	A single neuron model with bistability
	29.6.2012	A single neuron model with bistability
	28.9.2012	The UP and DOWN neural dynamics of neurons
	30.11.2012	The dynamic network model of neural up and down transition
Jingyi Qu	23.4.2010	an egalitarian network model for emergence of complex cells in visual cortex
	28.5.2010	a method of visual coding
	8.10.2010	Measuring effects of different noises in a model using ISI-distance method
	4.3.2011	Measuring effects of current and conductance noises in cold receptor model using ISI-distance method
Heng Wei	7.5.2010	A unified model of NMDA receptor-dependent bidirectional synaptic plasticity
	15.10.2010	An Active Bi-directional Coupling Cochlear model with delay effects
	4.3.2011	An active bi_directional coupling cochlear model with delay effects
Rubin Wang	8.10.2010	Neuronal energy of the bases of information coding and prediction of the perceptual field (1)
	22.10.2010	Neuronal energy of the bases of information coding and prediction of the perceptual field (2)
	22.10.2010	The Promotion of Documentation Translated: Energetics of neuronal signaling and fMRI activity

Jiajun Zhou	26.11.2010	Cortical depth-specific microvascular dilation underlines laminar differences in blood oxygenation level-dependent functional MRI signal
	9.10.2011	Neurodynamics of mental exploration
Linkun Qiao	22.10.2010	Baseline brain activity fluctuations predict somatosensory perception in humans
	5.11.2010	Cognitive fitness of cost-efficient brain functional networks
	26.11.2010	Feeding the Brain
Hongbo Yu	12.11.2010	In vivo visualization of the function and structure of cortex: from functional column to synapse
Minoru Tsukada	19.11.2010	A Context-Sensitive Mechanism in Hippocampal CA1 Networks
	1.11.2011	An information representation in memory
Ichiro Tsuda	19.11.2010	On the neural mechanism of communication: A new dynamical systems approach
Fanji Gu	26.11.2010	How to translate Sci-tech Paper?
Li Ni	3.12.2010	Memory traces in dynamical system
	1.11.2011	Analyzing EEG of Quasi-Brain-Death Based on Dynamic Sample Entropy Measures
	30.11.2012	Power of up and down transition
	11.5.2013	Adaptive Multiscale Entropy based on scale sorted by energy
	28.2.2014	An amplitude filter based on MEMD and its complexity computation
	21.3.2014	Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging
	31.10.2011	Neuronal basis of value-based decision and action selection in the basal ganglia
Masamichi Sakagami	31.10.2011	Dual decision process in our brain
Yingying Zhang	1.11.2011	Temporal and Spatial Patterns of Retinal Ganglion Cells in Response to Natural Stimuli
	17.2.2012	Dynamic visual stimulus discrimination of retinal ganglion cells
	12.10.2012	Visual pattern discrimination by population retinal ganglion cells' activities during natural movie stimulation
	21.12.2012	Introduction of visual system —— The retina
Qing Zhu	9.10.2011	Neurodynamics of mental exploration
	25.11.2011	A Model of Spatial Map Formation

Yating Zhu	9.12.2011	Ruling out and ruling in neural codes
	14.12.2012	Research on phase synchronization with spikes-LFP
	15.3.2013	Neural population dynamics during reaching
	28.2.2014	Review of sensory and perceptual code
	19.9.2014	The research on the mechanism of long-term memory
Ailei Xu	21.10.2011	Biophysical model for gamma rhythms in the olfactory bulb via subthreshold oscillation
	9.12.2011	Circuit Properties Generating Gamma Oscillations in a Network Model of the Olfactory Bulb
	4.5.2012	Interaction between different cells in olfactory bulb and synchronous kinematic analysis
	21.9.2012	Network modeling of olfactory system and kinetic analysis
Chaofei Ma	16.12.2011	Measuring Information Transfer
	14.9.2012	The application of transfer entropy in time series
	9.11.2012	Application of transfer entropy in neural signals
Guanzheng Wang	17.2.2012	Brain Activity to Rely On?
	21.9.2012	Evaluation of Value Range of Noise in Membrane Potential of Neurons
	22.3.2013	An Exploring of the Range of Noise Intensity
	15.11.2013	Energy coding in neural networks with inhibitory neurons
	14.3.2014	Sparse Coding via Thresholding and Local Competition in Neural Circuits
	9.5.2014	Visual and auditory-related encoding and decoding
	10.10.2014	Fast ICA Algorithm for the Sparse Coding
Qing Huang	17.2.2012	Encoding and Decoding Spikes for Dynamic Stimuli
Yi Qi	4.5.2012	Phase Resetting in Medicine and Biology Stochastic Modelling and Data Analysis-part 1
	1.6.2012	Phase Resetting in Medicine and Biology Stochastic Modelling and Data Analysis-part 2
	15.6.2012	Phase Resetting in Medicine and Biology Stochastic Modelling and Data Analysis-part 3
	28.9.2012	Phase Resetting in Medicine and Biology Stochastic Modelling and Data Analysis
	30.11.2012	Analysis of stability of neural network with inhibitory neurons
Kaige Li/Gongli Duan/Xiaobo Zhang	21.9.2012	Stability analysis of excitatory and inhibitory inputs to a model neuron
	16.11.2012	Stability analysis of potential of single neuron
Xiaochuan Pan	26.10.2012	Contributions of distinct prefrontal neuron classes in reward processing
	8.11.2013	Reward predictive activity in lateral prefrontal cortex and striatum
	2.11.2012	The progress of neural energy coding theory

Ziyin Wang	11.10.2013	Prob of neural energy coding and corresponding neurodynamical analysis
	28.2.2014	Neural energy computing based on HH equation
Hongwen Zheng	15.3.2013	An Energy Budget for Signaling in the Grey Matter of the Brain
	8.11.2013	The molecular dynamics of neural metabolism during the action potential
	28.2.2014	The energy computation and analysis for a single neuron
	21.3.2014	Metabolic cost as a unifying principle governing neuronal biophysics
	10.10.2014	The first exploration of the neural coupling network model and its energy computation
Stephen Scott	13.9.2013	Optimal Feedback Control: The glue that links behaviour, brains and biomechanics
Jianting Cao	12.9.2013	EEG Complexity and Energy Analysis for Brain Death Determination
Toshihisa Tanaka	12.9.2013	Brain Computer Interfacing With Visually Modulated Stimuli
Yanyan Wang	11.10.2013	Adjusting the ratio of one neuron's positive to negative energy
	27.12.2013	Discussions about neural electrophysiology model
Xiaoxia Yin	29.11.2013	A Neurodynamical Model for Working Memory
	21.3.2014	Making Working Memory Work: A Computational Model of Learning in the Prefrontal Cortex and Basal Ganglia
	19.9.2014	The effect of dopamine on working memory
Yan Zhang	29.11.2013	Task-Dependent Changes in Short-Term Memory in the Prefrontal Cortex
	7.3.2014	The importance of mixed selectivity in complex cognitive tasks
Zhijian Jiang	22.11.2013	Sparse Coding via Thresholding and Local Competition in Neural Circuits
Kaidi Shao	22.11.2013	Transfer Entropy: Background, Definition, Computation&Simulation
Wei Wang	29.11.2013	Cortical pooling algorithms for judging global motion direction
	14.3.2014	Simple cellular and network control principles govern complex patterns of motor



	10.10.2014	Simulation study of CPG model: Discussion on a certain characteristics of rhythm of gait movement on the intelligent creature
Ruiyan Fang	22.11.2013	Simple Model of Spiking Neurons
	7.3.2014	The nervous energy coding of neural network under the action of inhibitory neurons
Mengqiu Yao	15.11.2013	Cortical rewiring and information storage
Qin He	22.11.2013	Storing memories in dendritic channels
Leicheng Jing	20.12.2013	Toward discovery science of human brain function
	7.3.2014	Simple models of human brain functional networks
	9.5.2014	Synchronous Kinematic Analysis of Olfactory Bulb and Network Modeling
	10.10.2014	Neural energy and energy field based on information coding
Yihong Wang	7.3.2014	Hippocampal theta rhythm and its coupling with gamma oscillations require fast inhibition onto parvalbumin-positive
	19.9.2014	Mental exploration based on energy field
Johan Marc José Lauwerevns	12.9.2014	Internal switching in hippocampal area CA1 during memory-guided spatial alternation
Masamichi Sakagami	5.12.2014	Dopamine prediction errors and the relativity of value
Taishin Nomura	12.12.2014	Stability and flexibility in human motor