

# Chun-Chung Chen

## List of Publications by Year in descending order

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27  
papers

278  
citations

1040056

9  
h-index

996975

15  
g-index

28  
all docs

28  
docs citations

28  
times ranked

328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Polymer Formation by Metal-Ligand Complexation: A Monte Carlo Simulations and Analytical Modeling. <i>Journal of the American Chemical Society</i> , 2004, 126, 14972-14978.	13.7	42
2	Ring-Chain Equilibrium in Reversibly Associated Polymer Solutions: A Monte Carlo Simulations. <i>Macromolecules</i> , 2004, 37, 3905-3917.	4.8	28
3	Architectural and Structural Optimization of the Protective Polymer Layer for Enhanced Targeting. <i>Langmuir</i> , 2005, 21, 5605-5615.	3.5	28
4	Elevation of hilar mossy cell activity suppresses hippocampal excitability and avoidance behavior. <i>Cell Reports</i> , 2021, 36, 109702.	6.4	24
5	Positive feedback and synchronized bursts in neuronal cultures. <i>PLoS ONE</i> , 2017, 12, e0187276.	2.5	23
6	Determination of melting temperature and temperature melting range for DNA with multi-peak differential melting curves. <i>Analytical Biochemistry</i> , 2015, 479, 28-36.	2.4	15
7	Characterization of Predictive Behavior of a Retina by Mutual Information. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 66.	2.1	14
8	Reversible association and network formation in 3 : 1 ligand-metal polymer solutions. <i>Soft Matter</i> , 2008, 4, 2039.	2.7	13
9	Monte Carlo Simulations of End-Adsorption of Head-to-Tail Reversibly Associated Polymers. <i>Macromolecules</i> , 2006, 39, 9528-9538.	4.8	12
10	Effect of Orientational Specificity of Complexation on the Behavior of Supramolecular Polymers: A Theory and Simulation. <i>Macromolecules</i> , 2007, 40, 3408-3421.	4.8	10
11	Active width at a slanted active boundary in directed percolation. <i>Physical Review E</i> , 1999, 60, 2496-2500.	2.1	9
12	Event-driven simulations of a plastic, spiking neural network. <i>Physical Review E</i> , 2011, 84, 031908.	2.1	9
13	Mean-field theory of a plastic network of integrate-and-fire neurons. <i>Physical Review E</i> , 2010, 81, 011907.	2.1	8
14	Directed avalanche processes with underlying interface dynamics. <i>Physical Review E</i> , 2002, 66, 011306.	2.1	7
15	Interface view of directed sandpile dynamics. <i>Physical Review E</i> , 2002, 65, 031309.	2.1	6
16	Reconstruction of network structures from repeating spike patterns in simulated bursting dynamics. <i>Physical Review E</i> , 2014, 90, 012703.	2.1	6
17	Variation approach to error threshold in generic fitness landscape. <i>Chinese Journal of Physics</i> , 2017, 55, 606-618.	3.9	5
18	Propagation and synchronization of reverberatory bursts in developing cultured networks. <i>Journal of Computational Neuroscience</i> , 2017, 42, 177-185.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Anticipation and negative group delay in a retina. <i>Physical Review E</i> , 2021, 103, L020401.	2.1	5
20	Astrocytic Regulation of Synchronous Bursting in Cortical Cultures: From Local to Global. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa053.	1.6	4
21	Adaptive synchronization and anticipatory dynamical systems. <i>Physical Review E</i> , 2015, 92, 030701.	2.1	3
22	Metabolic implications for the mechanism of mitochondrial endosymbiosis and human hereditary disorders. <i>Journal of Theoretical Biology</i> , 2007, 248, 26-36.	1.7	2
23	Cohesion-induced deepening transition of avalanches. <i>Physical Review E</i> , 2002, 66, 061304.	2.1	0
24	RGB algorithm for spatial evolutionary game theory with finite populations. , 2015, , .		0
25	Second derivative techniques in differential scanning calorimetry of DNA modified with platinum compounds. <i>Thermochimica Acta</i> , 2017, 654, 186-190.	2.7	0
26	Active Prediction in Dynamical Systems. <i>Lecture Notes in Computer Science</i> , 2017, , 632-638.	1.3	0
27	Ubiquitous proximity to a critical state for collective neural activity in the CA1 region of freely moving mice. <i>Chinese Journal of Physics</i> , 2022, , .	3.9	0