Chi-Tin Shih

List of Publications by Year
in descending order

37 papers	1,558 citations	687363 13 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	1943 citing authors

#	Article	IF	Citations
1	NeuroRetriever: Automatic Neuron Segmentation for Connectome Assembly. Frontiers in Systems Neuroscience, 2021, 15, 687182.	2.5	3
2	Diverse Community Structures in the Neuronal-Level Connectome of the Drosophila Brain. Neuroinformatics, 2020, 18, 267-281.	2.8	12
3	A synchrotron X-ray imaging strategy to map large animal brains. Chinese Journal of Physics, 2020, 65, 24-32.	3.9	24
4	Kaleido: Visualizing Big Brain Data with Automatic Color Assignment for Single-Neuron Images. Neuroinformatics, 2018, 16, 207-215.	2.8	0
5	Temperatureâ€dependent morphology and characteristic parameters of annealed gold nanolayers. Physica Status Solidi (B): Basic Research, 2017, 254, 1600855.	1.5	1
6	The Topographical Mapping in Drosophila Central Complex Network and Its Signal Routing. Frontiers in Neuroinformatics, 2017, 11, 26.	2.5	9
7	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	1.9	7
8	Large-scale quantitative analysis of neurons via morphological structures by Fast Automatically Structural Tracing Algorithm (FAST). BMC Neuroscience, 2015, 16, .	1.9	0
9	Connectomics-Based Analysis of Information Flow in the Drosophila Brain. Current Biology, 2015, 25, 1249-1258.	3.9	160
10	Large-scale segmentation and tracing for neurons in Drosophila brain by Fast Automatically Structural Tracing Algorithm (FASTA). BMC Neuroscience, 2013, 14, .	1.9	0
11	Toward the Drosophila connectome: structural analysis of the brain network. BMC Neuroscience, 2013, 14, .	1.9	5
12	The interplay of mutations and electronic properties in disease-related genes. Scientific Reports, 2012, 2, 272.	3.3	13
13	Three-Dimensional Reconstruction of Brain-wide Wiring Networks in Drosophila at Single-Cell Resolution. Current Biology, 2011, 21, 1-11.	3.9	761
14	Temporal dynamics of site percolation in nanoparticle assemblies. Computer Physics Communications, 2011, 182, 71-73.	7.5	2
15	Charge transport in cancer-related genes and early carcinogenesis. Computer Physics Communications, 2011, 182, 36-38.	7.5	10
16	Statistical analysis and modeling of the temperature-dependent sleep behavior of drosophila. Computer Physics Communications, 2011, 182, 195-197.	7.5	2
17	MODELLING CHARGE TRANSPORT IN DNA USING TRANSFER MATRICES WITH DIAGONAL TERMS. International Journal of Modern Physics B, 2009, 23, 4138-4149.	2.0	13
18	MODELLING CHARGE TRANSPORT IN DNA USING TRANSFER MATRICES WITH DIAGONAL TERMS. , 2009, , .		0

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19	Point-Mutation Effects on Charge-Transport Properties of the Tumor-Suppressor Gene<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mn>53</mml:mn></mml:math>. Physical Review Letters, 2008, 100, 018105.	7.8	57
20	Electric transport and coding sequences of DNA molecules. Physica Status Solidi (B): Basic Research, 2006, 243, 378-381.	1.5	4
21	Spectra of the high Tc cuprates understood by the variational studies of the tâ€“J-type models. Journal of Physics and Chemistry of Solids, 2006, 67, 150-153.	4.0	0
22	Characteristic length scale of electric transport properties of genomes. Physical Review E, 2006, 74, 010903.	2.1	12
23	Low-energy physical properties of high-Tcsuperconducting Cu oxides: A comparison between the resonating valence bond and experiments. Physical Review B, 2006, 73, .	3.2	37
24	Antiferromagnetism and superconductivity of the two-dimensional extended t-J model. Low Temperature Physics, 2005, 31, 757-762.	0.6	10
25	Absence of the coexistence of superconductivity and antiferromagnetism in the hole-doped two-dimensional extendedtâˆ’Jmodel. Physical Review B, 2004, 70, .	3.2	29
26	Enhancement of Pairing Correlation bytâ€²in the Two-Dimensional Extendedtâˆ’JModel. Physical Review Letters, 2004, 92, 227002.	7.8	95
27	Comment on â€œSuperconductivity in the Two-Dimensionaltâˆ’â€‰â€‰JModelâ€• Physical Review Letters, 2002, 89, 279702; author reply 279703.	7.8	15
28	Geometric and statistical properties of the mean-field hydrophobic-polar model, the large-small model, and real protein sequences. Physical Review E, 2002, 65, 041923.	2.1	12
29	Revisit phase separation of the two-dimensional t-J model by the power-Lanczos method. Journal of Physics and Chemistry of Solids, 2001, 62, 1797-1811.	4.0	8
30	Phase separation in the two-dimensional tâ€“J model. Physica C: Superconductivity and Its Applications, 2001, 364-365, 178-181.	1.2	0
31	Pairing correlation of t-J type models studied by the power-Lanczos method. Physica C: Superconductivity and Its Applications, 2000, 341-348, 113-116.	1.2	0
32	Mean-Field HP Model, Designability and Alpha-Helices in Protein Structures. Physical Review Letters, 2000, 84, 386-389.	7.8	41
33	Stripe stability in the extendedtâˆ’Jmodel on planes and four-leg ladders. Physical Review B, 1999, 59, R11649-R11652.	3.2	53
34	d-Wave Pairing Correlation in the Two-Dimensionaltâˆ’JModel. Physical Review Letters, 1998, 81, 1294-1297.	7.8	48
35	Phase separation of the two-dimensionaltâˆ’Jmodel. Physical Review B, 1998, 57, 627-631.	3.2	41
36	Systematic scaling in the low-energy excitations of the t-J model in one and two dimensions. Physical Review B, 1997, 55, 12313-12317.	3.2	8

#	Article	IF	Citations
37	Dispersion of a single hole in the t-J model. Physical Review B, 1997, 55, 5983-5987.	3.2	66