

Chi-Tin Shih

List of Publications by Year in descending order

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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	Three-Dimensional Reconstruction of Brain-wide Wiring Networks in Drosophila at Single-Cell Resolution. <i>Current Biology</i> , 2011, 21, 1-11.	3.9	761
2	Connectomics-Based Analysis of Information Flow in the Drosophila Brain. <i>Current Biology</i> , 2015, 25, 1249-1258.	3.9	160
3	Enhancement of Pairing Correlation by t -J Model. <i>Physical Review Letters</i> , 2004, 92, 227002.	7.8	95
4	Dispersion of a single hole in the t -J model. <i>Physical Review B</i> , 1997, 55, 5983-5987.	3.2	66
5	Point-Mutation Effects on Charge-Transport Properties of the Tumor-Suppressor Gene $p53$. <i>Physical Review Letters</i> , 2008, 100, 018105.	7.8	57
6	Stripe stability in the extended t -J model on planes and four-leg ladders. <i>Physical Review B</i> , 1999, 59, R11649-R11652.	3.2	53
7	d -Wave Pairing Correlation in the Two-Dimensional t -J Model. <i>Physical Review Letters</i> , 1998, 81, 1294-1297.	7.8	48
8	Phase separation of the two-dimensional t -J model. <i>Physical Review B</i> , 1998, 57, 627-631.	3.2	41
9	Mean-Field HP Model, Designability and Alpha-Helices in Protein Structures. <i>Physical Review Letters</i> , 2000, 84, 386-389.	7.8	41
10	Low-energy physical properties of high-T _c superconducting Cu oxides: A comparison between the resonating valence bond and experiments. <i>Physical Review B</i> , 2006, 73, .	3.2	37
11	Absence of the coexistence of superconductivity and antiferromagnetism in the hole-doped two-dimensional extended t -J model. <i>Physical Review B</i> , 2004, 70, .	3.2	29
12	A synchrotron X-ray imaging strategy to map large animal brains. <i>Chinese Journal of Physics</i> , 2020, 65, 24-32.	3.9	24
13	Comment on "Superconductivity in the Two-Dimensional t -J Model". <i>Physical Review Letters</i> , 2002, 89, 279702; author reply 279703.	7.8	15
14	MODELLING CHARGE TRANSPORT IN DNA USING TRANSFER MATRICES WITH DIAGONAL TERMS. <i>International Journal of Modern Physics B</i> , 2009, 23, 4138-4149.	2.0	13
15	The interplay of mutations and electronic properties in disease-related genes. <i>Scientific Reports</i> , 2012, 2, 272.	3.3	13
16	Geometric and statistical properties of the mean-field hydrophobic-polar model, the large-small model, and real protein sequences. <i>Physical Review E</i> , 2002, 65, 041923.	2.1	12
17	Characteristic length scale of electric transport properties of genomes. <i>Physical Review E</i> , 2006, 74, 010903.	2.1	12
18	Diverse Community Structures in the Neuronal-Level Connectome of the Drosophila Brain. <i>Neuroinformatics</i> , 2020, 18, 267-281.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Antiferromagnetism and superconductivity of the two-dimensional extended t-J model. <i>Low Temperature Physics</i> , 2005, 31, 757-762.	0.6	10
20	Charge transport in cancer-related genes and early carcinogenesis. <i>Computer Physics Communications</i> , 2011, 182, 36-38.	7.5	10
21	The Topographical Mapping in Drosophila Central Complex Network and Its Signal Routing. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 26.	2.5	9
22	Systematic scaling in the low-energy excitations of the t-J model in one and two dimensions. <i>Physical Review B</i> , 1997, 55, 12313-12317.	3.2	8
23	Revisit phase separation of the two-dimensional t-J model by the power-Lanczos method. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 1797-1811.	4.0	8
24	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. <i>BMC Neuroscience</i> , 2017, 18, .	1.9	7
25	Toward the Drosophila connectome: structural analysis of the brain network. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	5
26	Electric transport and coding sequences of DNA molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 378-381.	1.5	4
27	NeuroRetriever: Automatic Neuron Segmentation for Connectome Assembly. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 687182.	2.5	3
28	Temporal dynamics of site percolation in nanoparticle assemblies. <i>Computer Physics Communications</i> , 2011, 182, 71-73.	7.5	2
29	Statistical analysis and modeling of the temperature-dependent sleep behavior of drosophila. <i>Computer Physics Communications</i> , 2011, 182, 195-197.	7.5	2
30	Temperature-dependent morphology and characteristic parameters of annealed gold nanolayers. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600855.	1.5	1
31	Pairing correlation of t-J type models studied by the power-Lanczos method. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 113-116.	1.2	0
32	Phase separation in the two-dimensional t-J model. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 364-365, 178-181.	1.2	0
33	Spectra of the high Tc cuprates understood by the variational studies of the t-J-type models. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 150-153.	4.0	0
34	Large-scale segmentation and tracing for neurons in Drosophila brain by Fast Automatically Structural Tracing Algorithm (FASTA). <i>BMC Neuroscience</i> , 2013, 14, .	1.9	0
35	Large-scale quantitative analysis of neurons via morphological structures by Fast Automatically Structural Tracing Algorithm (FAST). <i>BMC Neuroscience</i> , 2015, 16, .	1.9	0
36	Kaleido: Visualizing Big Brain Data with Automatic Color Assignment for Single-Neuron Images. <i>Neuroinformatics</i> , 2018, 16, 207-215.	2.8	0

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37	MODELLING CHARGE TRANSPORT IN DNA USING TRANSFER MATRICES WITH DIAGONAL TERMS. , 2009, , .		0