Clare C Yu

List of Publications by Year
in descending order

37 papers	1,516 citations	516710 16 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	1555 citing authors

#	Article	IF	Citations
1	Decoherence in Josephson Qubits from Dielectric Loss. Physical Review Letters, 2005, 95, 210503.	7.8	616
2	Origin and Reduction of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo stretchy="false">/</mml:mo><mml:mi>f</mml:mi></mml:math> Magnetic Flux Noise in Superconducting Devices. Physical Review Applied, 2016, 6, .	3.8	105
3	Thermal conductivity and specific heat of glasses. Physical Review B, 1987, 36, 7620-7624.	3.2	97
4	Time-Dependent Development of the Coulomb Gap. Physical Review Letters, 1999, 82, 4074-4077.	7.8	79
5	Intracellular actin-based transport: How far you go depends on how often you switch. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13204-13209.	7.1	77
6	How Molecular Motors Are Arranged on a Cargo Is Important for Vesicular Transport. PLoS Computational Biology, 2011, 7, e1002032.	3.2	66
7	Monte Carlo modeling of single-molecule cytoplasmic dynein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12059-12064.	7.1	63
8	Critical behavior of the Coulomb glass. Physical Review Letters, 1993, 71, 3335-3338.	7.8	53
9	Candidate Source of Flux Noise in SQUIDs: Adsorbed Oxygen Molecules. Physical Review Letters, 2015, 115, 077002.	7.8	43
10	Axonal Transport: How High Microtubule Density Can Compensate forÂBoundary Effects in Small-Caliber Axons. Biophysical Journal, 2014, 106, 813-823.	0.5	34
11	Saturation of two-level systems and charge noise in Josephson junction qubits. Physical Review B, 2009, 79, .	3.2	27
12	Frequency dependence and equilibration of the specific heat of glass-forming liquids. Physical Review E, 2004, 69, 051201.	2.1	26
13	1/fnoise in electron glasses. Physical Review B, 2003, 67, .	3.2	22
14	Comparison of Ising Spin Glass Noise to Flux and Inductance Noise in SQUIDs. Physical Review Letters, 2010, 104, 247204.	7.8	22
15	Measurement-Noise Maximum as a Signature of a Phase Transition. Physical Review Letters, 2007, 98, 057204.	7.8	18
16	Why Phonon Scattering in Glasses is Universally Small at Low Temperatures. Physical Review Letters, 2020, 124, 075902.	7.8	17
17	Tubulin acetylation promotes penetrative capacity of cells undergoing radial intercalation. Cell Reports, 2021, 36, 109556.	6.4	17
18	Why Study Noise Due to Two Level Systems: A Suggestion for Experimentalists. Journal of Low Temperature Physics, 2004, 137, 251-265.	1.4	16

#	Article	IF	Citations
19	Spatial distribution of B cells and lymphocyte clusters as a predictor of triple-negative breast cancer outcome. Npj Breast Cancer, 2021, 7, 84.	5.2	16
20	Modeling Flux Noise in SQUIDs due to Hyperfine Interactions. Physical Review Letters, 2012, 108, 247001.	7.8	14
21	Filament-Filament Switching Can Be Regulated by Separation Between Filaments Together with Cargo Motor Number. PLoS ONE, 2013, 8, e54298.	2.5	14
22	First-order pre-melting transition of vortex lattices. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1001-1010.	0.6	11
23	Hydrogen as a source of flux noise in SQUIDs. Physical Review B, 2018, 98, .	3.2	11
24	Physics approaches to the spatial distribution of immune cells in tumors. Reports on Progress in Physics, 2021, 84, 022601.	20.1	10
25	Expanding signaling-molecule wavefront model of cell polarization in the Drosophila wing primordium. PLoS Computational Biology, 2017, 13, e1005610.	3.2	9
26	Why study 1/f noise in Coulomb glasses. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 25-28.	0.8	6
27	Non-randomness of the anatomical distribution of tumors. Cancer Convergence, 2017, 1, 4.	8.0	6
28	Nonequilibrium Effects in Coulomb Glasses. Physica Status Solidi (B): Basic Research, 2002, 230, 47-54.	1.5	5
29	Distribution of two-level system couplings to strain and electric fields in glasses at low temperatures. Physical Review B, 2021, 104, .	3.2	4
30	Slow dynamics in glassy systems. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 1209-1223.	0.6	3
31	Occupancy and Fractal Dimension Analyses of the Spatial Distribution of Cytotoxic (CD8+) T Cells Infiltrating the Tumor Microenvironment in Triple Negative Breast Cancer. Biophysical Reviews and Letters, 2020, 15, 83-98.	0.8	3
32	Generalized compressibility in a glass-forming liquid. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 125-132.	0.6	2
33	Axonal Transport: A Constrained System. Journal of Neurology and Neuromedicine, 2017, 2, 20-24.	0.9	2
34	Disorder dependence of phase transitions in a Coulomb glass. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 55-58.	0.8	0
35	Noise in superconducting qubits and spin glasses. , 2013, , .		0
36	P. W. Anderson Seen Through the Eyes of a Student. , 2016, , 5-8.		0

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37	Occupancy and Fractal Dimension Analyses of the Spatial Distribution of Cytotoxic (CD8+) T Cells Infiltrating the Tumor Microenvironment in Triple Negative Breast Cancer. , 2020, , 63-78.		0