

Chen-Hsuan Hsu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

611
citations

759233

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20
all docs

20
docs citations

20
times ranked

703
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Helical liquids in semiconductors. Semiconductor Science and Technology, 2021, 36, 123003. | 2.0 | 19 |
| 2 | Universal conductance dips and fractional excitations in a two-subband quantum wire. Physical Review Research, 2020, 2, . | 3.6 | 4 |
| 3 | Strong electron-electron interactions of a Tomonaga-Luttinger liquid observed in InAs quantum wires. Physical Review B, 2019, 99, . | 3.2 | 16 |
| 4 | Orbital effects of a strong in-plane magnetic field on a gate-defined quantum dot. Physical Review B, 2019, 99, . | 3.2 | 15 |
| 5 | Charge transport of a spin-orbit-coupled Luttinger liquid. Physical Review B, 2019, 100, . | 3.2 | 7 |
| 6 | Effects of nuclear spins on the transport properties of the edge of two-dimensional topological insulators. Physical Review B, 2018, 97, . | 3.2 | 49 |
| 7 | Majorana Kramers Pairs in Higher-Order Topological Insulators. Physical Review Letters, 2018, 121, 196801. | 7.8 | 162 |
| 8 | g -factor of electrons in gate-defined quantum dots in a strong in-plane magnetic field. Physical Review B, 2018, 98, . | 3.2 | 13 |
| 9 | Nuclear-spin-induced localization of edge states in two-dimensional topological insulators. Physical Review B, 2017, 96, . | 3.2 | 61 |
| 10 | Long-distance entanglement of spin qubits via quantum Hall edge states. Physical Review B, 2016, 93, . | 3.2 | 22 |
| 11 | Antiferromagnetic nuclear spin helix and topological superconductivity in C_{13} nanotubes. Physical Review B, 2015, 92, . | 3.2 | 33 |
| 12 | Skyrmions in a density wave state: A mechanism for chiral superconductivity. Modern Physics Letters B, 2015, 29, 1540053. | 1.9 | 5 |
| 13 | Superconductivity from fractionalized excitations in URu_2Si_2 . Physical Review B, 2014, 89, . | 3.2 | 13 |
| 14 | Charge-2e skyrmion condensate in a hidden-order state. Physical Review B, 2013, 87, . | 3.2 | 13 |
| 15 | Spin dynamics of possible density wave states in the pseudogap phase of high-temperature superconductors. Physical Review B, 2012, 86, . | 3.2 | 1 |
| 16 | Majorana zero modes in a quantum Ising chain with longer-ranged interactions. Physical Review B, 2012, 85, . | 3.2 | 153 |
| 17 | Topological density wave states of nonzero angular momentum. Physical Review B, 2011, 84, . | 3.2 | 16 |
| 18 | Anisotropic magnetic and superconducting properties of aligned weak-ferromagnetic superconductor $RuSr_2GdCu_2O_8$. Journal of Physics: Conference Series, 2009, 150, 052131. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Anisotropic microcrystalline powder alignment of the weak-ferromagnetic superconductor system RuSr ₂ RCu ₂ O ₈ (R = Pr, Nd, Sm, Eu, Gd, Gd _{0.5} Dy _{0.5}). Journal of Physics: Conference Series, 2009, 150, 052033. | 0.4 | 0 |
| 20 | Anisotropic superconducting properties of the aligned Sm _{0.95} La _{0.05} FeAsO _{0.85} F _{0.15} microcrystalline powder. Europhysics Letters, 2008, 84, 67014. | 2.0 | 9 |