

Candice Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,052
citations

840776

11
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of Majorana Zero-Bias Conductance Peaks. Physical Review Letters, 2017, 119, 136803.	7.8	338
2	Evidence of topological superconductivity in planar Josephson junctions. Nature, 2019, 569, 89-92.	27.8	261
3	Superconducting gatemon qubit based on a proximitized two-dimensional electron gas. Nature Nanotechnology, 2018, 13, 915-919.	31.5	138
4	Relating Andreev Bound States and Supercurrents in Hybrid Josephson Junctions. Physical Review Letters, 2020, 124, 226801.	7.8	53
5	Ballistic superconductivity and tunable π -junctions in InSb quantum wells. Nature Communications, 2019, 10, 3764.	12.8	40
6	Coherent transport through a Majorana island in an Aharonov-Bohm interferometer. Nature Communications, 2020, 11, 3212.	12.8	39
7	Hybridization of Subgap States in One-Dimensional Superconductor-Semiconductor Coulomb Islands. Physical Review Letters, 2018, 121, 256803.	7.8	34
8	High-mobility InAs 2DEGs on GaSb substrates: A platform for mesoscopic quantum transport. Physical Review Materials, 2018, 2, .	2.4	26
9	Mobility in excess of 10^6 cm ² /V s in InAs quantum wells grown on lattice mismatched InP substrates. Applied Physics Letters, 2017, 111, .	3.3	24
10	InSbAs Two-Dimensional Electron Gases as a Platform for Topological Superconductivity. Nano Letters, 2021, 21, 9990-9996.	9.1	24
11	Quantum Dots in an InSb Two-Dimensional Electron Gas. Physical Review Applied, 2020, 13, .	3.8	12
12	Gate-defined quantum point contact in an InAs two-dimensional electron gas. Physical Review B, 2019, 100, .	3.2	11
13	Repairing the surface of InAs-based topological heterostructures. Journal of Applied Physics, 2020, 128, 114301.	2.5	11
14	Anodic oxidation of epitaxial superconductor-semiconductor hybrids. Physical Review Materials, 2021, 5, .	2.4	8
15	Toward durable Al-InSb hybrid heterostructures via epitaxy of 2ML interfacial InAs screening layers. Physical Review Materials, 2019, 3, .	2.4	7
16	Electrical and Morphological Characterizations of 3-D Interconnections for Quantum Computation. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 462-468.	2.5	6
17	Few-Electron Single and Double Quantum Dots in an InAs Two-Dimensional Electron Gas. PRX Quantum, 2021, 2, .	9.2	5
18	Die-to-Wafer 3D Interconnections Operating at Sub-Kelvin Temperatures for Quantum Computation. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Measurements of cyclotron resonance of the interfacial states in strong spin-orbit coupled 2D electron gases proximitized with aluminum. Applied Physics Letters, 2022, 120, 142105.	3.3	4
20	Josephson junctions via anodization of epitaxial Al on an InAs heterostructure. Applied Physics Letters, 2021, 119, .	3.3	2
21	Clean quantum point contacts in an InAs quantum well grown on a lattice-mismatched InP substrate. Physical Review B, 2022, 105, .	3.2	2
22	Microwave sensing of Andreev bound states in a gate-defined superconducting quantum point contact. Physical Review Research, 2022, 4, .	3.6	2