

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	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
2	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
3	Clean quantum point contacts in an InAs quantum well grown on a lattice-mismatched InP substrate. Physical Review B, 2022, 105, .	3.2	2
4	Microwave sensing of Andreev bound states in a gate-defined superconducting quantum point contact. Physical Review Research, 2022, 4, .	3.6	2
5	Anodic oxidation of epitaxial superconductor-semiconductor hybrids. Physical Review Materials, 2021, 5, .	2.4	8
6	Few-Electron Single and Double Quantum Dots in an InAs Two-Dimensional Electron Gas. PRX Quantum, 2021, 2, .	9.2	5
7	Josephson junctions via anodization of epitaxial Al on an InAs heterostructure. Applied Physics Letters, 2021, 119, .	3.3	2
8	InSbAs Two-Dimensional Electron Gases as a Platform for Topological Superconductivity. Nano Letters, 2021, 21, 9990-9996.	9.1	24
9	Repairing the surface of InAs-based topological heterostructures. Journal of Applied Physics, 2020, 128, 114301.	2.5	11
10	Relating Andreev Bound States and Supercurrents in Hybrid Josephson Junctions. Physical Review Letters, 2020, 124, 226801.	7.8	53
11	Coherent transport through a Majorana island in an Aharonov-Bohm interferometer. Nature Communications, 2020, 11, 3212.	12.8	39
12	Quantum Dots in an InSb Two-Dimensional Electron Gas. Physical Review Applied, 2020, 13, .	3.8	12
13	Die-to-Wafer 3D Interconnections Operating at Sub-Kelvin Temperatures for Quantum Computation. , 2020, , .		5
14	Ballistic superconductivity and tunable π -junctions in InSb quantum wells. Nature Communications, 2019, 10, 3764.	12.8	40
15	Gate-defined quantum point contact in an InAs two-dimensional electron gas. Physical Review B, 2019, 100, .	3.2	11
16	Evidence of topological superconductivity in planar Josephson junctions. Nature, 2019, 569, 89-92.	27.8	261
17	Toward durable Al-InSb hybrid heterostructures via epitaxy of 2ML interfacial InAs screening layers. Physical Review Materials, 2019, 3, .	2.4	7
18	Hybridization of Subgap States in One-Dimensional Superconductor-Semiconductor Coulomb Islands. Physical Review Letters, 2018, 121, 256803.	7.8	34

#	ARTICLE	IF	CITATIONS
19	Superconducting gatemon qubit based on a proximitized two-dimensional electron gas. Nature Nanotechnology, 2018, 13, 915-919.	31.5	138
20	High-mobility InAs 2DEGs on GaSb substrates: A platform for mesoscopic quantum transport. Physical Review Materials, 2018, 2, .	2.4	26
21	Scaling of Majorana Zero-Bias Conductance Peaks. Physical Review Letters, 2017, 119, 136803.	7.8	338
22	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