

Mihir Pendharkar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,200
citations

471477

17
h-index

610883

24
g-index

26
all docs

26
docs citations

26
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. <i>New Journal of Physics</i> , 2018, 20, 103049.	2.9	81
2	Conductance-Matrix Symmetries of a Three-Terminal Hybrid Device. <i>Physical Review Letters</i> , 2020, 124, 036802.	7.8	72
3	Electrically Reconfigurable Metasurfaces Using Heterojunction Resonators. <i>Advanced Optical Materials</i> , 2016, 4, 1582-1588.	7.3	62
4	Ultrawide thermal free-carrier tuning of dielectric antennas coupled to epsilon-near-zero substrates. <i>Nature Communications</i> , 2017, 8, 472.	12.8	57
5	Parity-preserving and magnetic field-robust superconductivity in InSb nanowires with Sn shells. <i>Science</i> , 2021, 372, 508-511.	12.6	50
6	Parity transitions in the superconducting ground state of hybrid InSb-Al Coulomb islands. <i>Nature Communications</i> , 2018, 9, 4801.	12.8	49
7	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. <i>Physical Review Materials</i> , 2019, 3, .	2.4	48
8	Transport studies in a gate-tunable three-terminal Josephson junction. <i>Physical Review B</i> , 2020, 101, .	3.2	44
9	Transport Studies of Epi-Al/InAs Two-Dimensional Electron Gas Systems for Required Building-Blocks in Topological Superconductor Networks. <i>Nano Letters</i> , 2019, 19, 3083-3090.	9.1	38
10	In-plane selective area InSb-Al nanowire quantum networks. <i>Communications Physics</i> , 2020, 3, .	5.3	37
11	End-to-end correlated subgap states in hybrid nanowires. <i>Physical Review B</i> , 2019, 100, .	3.2	36
12	Mirage Andreev Spectra Generated by Mesoscopic Leads in Nanowire Quantum Dots. <i>Physical Review Letters</i> , 2018, 121, 127705.	7.8	27
13	III-V Heterojunction Platform for Electrically Reconfigurable Dielectric Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 1345-1350.	6.6	25
14	Full parity phase diagram of a proximitized nanowire island. <i>Physical Review B</i> , 2021, 104, .	3.2	20
15	Materials considerations for forming the topological insulator phase in InAs/GaSb heterostructures. <i>Physical Review Materials</i> , 2018, 2, .	2.4	17
16	Limits to mobility in InAs quantum wells with nearly lattice-matched barriers. <i>Physical Review B</i> , 2016, 94, .	3.2	16
17	Contribution of top barrier materials to high mobility in near-surface InAs quantum wells grown on GaSb(001). <i>Physical Review Materials</i> , 2019, 3, .	2.4	12
18	Editorial Expression of Concern: Quantized Majorana conductance. <i>Nature</i> , 2020, 581, E4-E4.	27.8	10

#	ARTICLE	IF	CITATIONS
19	Valence-band offsets of CoTiSb/In _{0.53} Ga _{0.47} As and CoTiSb/In _{0.52} Al _{0.48} As heterojunctions. Applied Physics Letters, 2017, 111, .	3.3	8
20	Growth, electrical, structural, and magnetic properties of half-Heusler $\text{CoTi}_i\text{Sb}_{1-i}\text{F}_x\text{e}_{1-x}\text{Sb}$. Physical Review Materials, 2018, 2, .	2.4	8
21	Supercurrent parity meter in a nanowire Cooper pair transistor. Science Advances, 2022, 8, eabm9896.	10.3	5
22	Growth, structural, and magnetic properties of single-crystal full-Heusler Co ₂ TiGe thin films. Journal of Applied Physics, 2017, 121, .	2.5	3
23	Mechanism for embedded in-plane self-assembled nanowire formation. Physical Review Materials, 2020, 4, .	2.4	1