

# Javad Shabani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2783666/publications.pdf>

Version: 2024-02-01

46  
papers

1,677  
citations

331259

21  
h-index

276539

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1414  
citing authors



#	ARTICLE	IF	CITATIONS
19	Fractional Quantum Hall Effect at High Fillings in a Two-Subband Electron System. Physical Review Letters, 2010, 105, 246805.	2.9	23
20	Gating of high-mobility InAs metamorphic heterostructures. Applied Physics Letters, 2014, 105, .	1.5	23
21	Superconducting Proximity Effect in InAsSb Surface Quantum Wells with In Situ Al Contacts. ACS Applied Electronic Materials, 2020, 2, 2351-2356.	2.0	22
22	Fusion of Majorana bound states with mini-gate control in two-dimensional systems. Nature Communications, 2022, 13, 1738.	5.8	22
23	Josephson Junction Field-Effect Transistors for Boolean Logic Cryogenic Applications. IEEE Transactions on Electron Devices, 2019, 66, 5367-5374.	1.6	20
24	Evolution of the $\nu = 7$ Fractional Quantum Hall State in Two-Subband Systems. Physical Review Letters, 2011, 107, 266802.	2.9	19
25	Long-range Kitaev chains via planar Josephson junctions. Physical Review B, 2018, 97, .	1.1	18
26	An apparent metal-insulator transition in high-mobility two-dimensional InAs heterostructures. Physical Review B, 2014, 90, .	1.1	16
27	Strong electron-electron interactions of a Tomonaga-Luttinger liquid observed in InAs quantum wires. Physical Review B, 2019, 99, .	1.1	16
28	Local Control of Supercurrent Density in Epitaxial Planar Josephson Junctions. Nano Letters, 2021, 21, 8274-8280.	4.5	16
29	Epitaxial superconductor-semiconductor two-dimensional systems for superconducting quantum circuits. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	14
30	Voltage-Tunable Superconducting Resonators: A Platform for Random Access Quantum Memory. IEEE Transactions on Quantum Engineering, 2020, 1, 1-7.	2.9	14
31	Controlled-Z gate for transmon qubits coupled by semiconductor junctions. Physical Review B, 2018, 97, .	1.1	13
32	Experimental measurements of effective mass in near-surface InAs quantum wells. Physical Review B, 2020, 101, .	1.1	13
33	Tuning Supercurrent in Josephson Field-Effect Transistors Using h-BN Dielectric. Nano Letters, 2021, 21, 1915-1920.	4.5	13
34	Studies of scattering mechanisms in gate tunable InAs/(Al,Ga)Sb two dimensional electron gases. Applied Physics Letters, 2015, 106, .	1.5	12
35	Reactivity studies and structural properties of Al on compound semiconductor surfaces. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2018, 36, 062903.	0.6	10
36	Detecting Induced $\nu = 9$ Pairing at the Al-InAs Interface with a Quantum Microwave Circuit. Physical Review Letters, 2022, 128, 107701.	2.9	9

