Francois Sfigakis

List of Publications by Year
in descending order

17 papers	652 citations	1040056 9 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	1240 citing authors

#	Article	IF	Citations
1	One Million Percent Tunnel Magnetoresistance in a Magnetic van der Waals Heterostructure. Nano Letters, 2018, 18, 4885-4890.	9.1	230
2	Evolution of interlayer and intralayer magnetism in three atomically thin chromium trihalides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11131-11136.	7.1	223
3	Zero-bias anomaly in quantum wires. Physical Review B, 2009, 79, .	3.2	42
4	Fabrication and characterization of ambipolar devices on an undoped AlGaAs/GaAs heterostructure. Applied Physics Letters, 2012, 100, .	3.3	37
5	Distinguishing impurity concentrations in GaAs and AlGaAs using very shallow undoped heterostructures. Applied Physics Letters, 2010, 97, .	3.3	23
6	Statistical study of conductance properties in one-dimensional quantum wires focusing on the 0.7 anomaly. Physical Review B, 2014, 90, .	3.2	21
7	Ultra-shallow quantum dots in an undoped GaAs/AlGaAs two-dimensional electron gas. Applied Physics Letters, 2013, 102, 103507.	3.3	17
8	Demonstration and characterization of an ambipolar high mobility transistor in an undoped GaAs/AlGaAs quantum well. Applied Physics Letters, 2013, 102, .	3.3	16
9	Dependence of the 0.7 anomaly on the curvature of the potential barrier in quantum wires. Physical Review B, 2015, 91, .	3.2	10
10	Benefits of using undoped GaAs/AlGaAs heterostructures: A case study of the zero-bias bias anomaly in quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1200-1204.	2.7	8
11	Effect of Split Gate Size on the Electrostatic Potential and 0.7 Anomaly within Quantum Wires on a Modulation-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>GaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>AlGaAs</mml:mi></mml:mrow></mml:math:H Physical Review Applied, 2016, 5, .	3.8	8
12	Single-particle probing of edge-state formation in a graphene nanoribbon. Physical Review B, 2012, 85, .	3.2	5
13	Non-adiabatic single-electron pumps in a dopant-free GaAs/AlGaAs 2DEG. Applied Physics Letters, 2021, 119, .	3.3	5
14	Orientation of hole quantum Hall nematic phases in an out-of-plane electric field. Physical Review B, 2019, 99, .	3.2	3
15	Vortex detection and quantum transport in mesoscopic graphene Josephson-junction arrays. Physical Review B, 2015, 91, .	3.2	2
16	Effects of biased and unbiased illuminations on two-dimensional electron gases in dopant-free GaAs/AlGaAs. Physical Review B, 2022, 105, .	3.2	2
17	Beyond modulation doping: Engineering a semiconductor to be ambipolar, or making an ON-OFF-ON transistor. , 2014, , .		0