

Joseph Falson

List of Publications by Year in descending order

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33
papers

1,574
citations

331538

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414303

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34
docs citations

34
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
19	Quantum Hall effect on top and bottom surface states of topological insulator (Bi α xSbx)2Te3 films. Nature Communications, 2015, 6, 6627.	5.8	154
20	Optical probing of MgZnO/ZnO heterointerface confinement potential energy levels. Applied Physics Letters, 2015, 106, .	1.5	23
21	Electron scattering times in ZnO based polar heterostructures. Applied Physics Letters, 2015, 107, .	1.5	36
22	Polarization-dependent Landau level crossing in a two-dimensional electron system in a MgZnO/ZnO heterostructure. Physical Review B, 2014, 90, .	1.1	26
23	Enhanced quantum oscillatory magnetization and nonequilibrium currents in an interacting two-dimensional electron system in MgZnO/ZnO with repulsive scatterers. Physical Review B, 2014, 89, .	1.1	0
24	Air-gap gating of MgZnO/ZnO heterostructures. Journal of Applied Physics, 2014, 116, 084310.	1.1	2
25	Trajectory of the anomalous Hall effect towards the quantized state in a ferromagnetic topological insulator. Nature Physics, 2014, 10, 731-736.	6.5	517
26	Observation of plasma and magnetoplasma resonances of two-dimensional electrons in a single MgZnO/ZnO heterojunction. JETP Letters, 2013, 98, 223-226.	0.4	2
27	Single valley quantum Hall ferromagnet in a dilute MgZnO/ZnO heterostructure. Physical Review B, 2012, 85, .	1.1	25
28	Temperature-Dependent Magnetotransport around $\nu = 1/2$ in MgZnO/ZnO Heterostructures. Physical Review Letters, 2012, 108, 186803.	1.1	36
29	Correlation-Enhanced Effective Mass of Two-Dimensional Electrons in MgZnO/ZnO Heterostructures. Applied Physics Express, 2011, 4, 091101.	2.9	31
30	Precise calibration of Mg concentration in Mg α xZn β 1-xO thin films grown on ZnO substrates. Journal of Applied Physics, 2012, 112, .	1.1	16
31	Magnesium Doping Controlled Density and Mobility of Two-Dimensional Electron Gas in Mg α xZn β 1-xO/ZnO Heterostructures. Applied Physics Express, 2011, 4, 091101.	1.1	72
33	hetrostructures below $\nu = 1/2$ in MgZnO/ZnO heterostructures. Physical Review B, 2012, 85, .	1.1	29