Pei-hsun hsun Jiang

List of Publications by Year
in descending order

18 papers	145 citations	1307594 7 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	213 citing authors

#	Article	IF	Citations
1	Observation of a Pinning Mode in a Wigner Solid with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn Quantum Hall Excitations. Physical Review Letters, 2010, 105, 126803.	7.8	32
2	Pinning-Mode Resonance of a Skyrme Crystal near Landau-Level Filling Factor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn></mml:math>. Physical Review Letters, 2010, 104, 226801.	7.8	21
3	Spin blockade in the conduction of colloidal CdSe nanocrystal films. Journal of Chemical Physics, 2007, 127, 014702.	3.0	18
4	Polymerâ€Free Patterning of Graphene at Subâ€10â€nm Scale by Lowâ€Energy Repetitive Electron Beam. Small, 2014, 10, 4778-4784.	10.0	14
5	Aharonovâ€“Bohm-like oscillations in Fabryâ€“Perot interferometers. New Journal of Physics, 2011, 13, 055007.	2.9	11
6	Quantum oscillations observed in graphene at microwave frequencies. Applied Physics Letters, 2010, 97, 062113.	3.3	9
7	Competing weak localization and weak antilocalization in amorphous indiumâ€“galliumâ€“zinc-oxide thin-film transistors. Applied Physics Letters, 2017, 110, .	3.3	9
8	Zero-Bias Anomalies in Narrow Tunnel Junctions in the Quantum Hall Regime. Physical Review Letters, 2010, 105, 246801.	7.8	6
9	Weak Localization and Weak Antilocalization in Double-Gate a-InGaZnO Thin-Film Transistors. IEEE Electron Device Letters, 2018, 39, 212-215.	3.9	4
10	Plasma-induced magnetic patterning of FePd thin films without and with exchange bias. Applied Surface Science, 2020, 527, 146831.	6.1	4
11	Exchange-bias dependent diffusion rate of hydrogen discovered from evolution of hydrogen-induced noncollinear magnetic anisotropy in FePd thin films. Physical Review B, 2021, 104, .	3.2	4
12	Chirality-Induced Noncollinear Magnetization and Asymmetric Domain-Wall Propagation in Hydrogenated CoPd Thin Films. ACS Applied Materials & Interfaces, 2022, 14, 20151-20158.	8.0	4
13	Interaction Effects and Pseudogap in Two-Dimensional Lateral Tunnel Junctions. Physical Review Letters, 2006, 96, 126804.	7.8	3
14	Magnetic patterning through graphene protection against oxidation and interlayer diffusion. Nanotechnology, 2019, 30, 455301.	2.6	2
15	Dynamic Behaviors and Training Effects in TiN/Ti/HfOx/TiN-Nanolayered Memristors with Controllable Quantized Conductance States: Implications for Quantum and Neuromorphic Computing Devices. ACS Applied Nano Materials, 2021, 4, 11296-11304.	5.0	2
16	Universal dependence on the channel conductivity of the competing weak localization and antilocalization in amorphous InGaZnO₄thin-film transistors. Applied Physics Express, 2017, 10, 051103.	2.4	1
17	Dependence of magnetic domain patterns on plasma-induced differential oxidation of CoPd thin films. Surfaces and Interfaces, 2021, 27, 101582.	3.0	1
18	Low energy dynamics of two-dimensional lateral tunnel junctions. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 203-205.	2.7	0