

 Inhomogeneous nuclear spin flips: Feedback mechanism between electronic states in a double quantum dot and the underlying nuclear spin bath (4 pages)	041304(R)
M. Stopa, J. J. Krich, and A. Yacoby	
Quantum dot in a two-dimensional topological insulator: The two-channel Kondo fixed point (4 pages)	041305(R)
K. T. Law, C. Y. Seng, Patrick A. Lee, and T. K. Ng	
Probing a quantum Hall pseudospin ferromagnet by resistively detected nuclear magnetic resonance (4 pages)	041306(R)
G. P. Guo, X. J. Hao, T. Tu, Y. J. Zhao, Z. R. Lin, G. Cao, H. O. Li, C. Zhou, G. C. Guo, and H. W. Jiang	
Oscillatory crossover from two-dimensional to three-dimensional topological insulators (4 pages)	041307(R)
Chao-Xing Liu, HaiJun Zhang, Binghai Yan, Xiao-Liang Qi, Thomas Frauenheim, Xi Dai, Zhong Fang, and Shou-Cheng Zhang	
Resistance minimum observed at Landau level filling factor $\nu=1/2$ in ultra high magnetic fields (4 pages)	041308(R)
Jian Zhang, R. R. Du, J. A. Simmons, and J. L. Reno	
 Direct mapping of the spin-filtered surface bands of a three-dimensional quantum spin Hall insulator (4 pages)	041309(R)
Akinori Nishide, Alexey A. Taskin, Yasuo Takeichi, Taichi Okuda, Akito Kakizaki, Toru Hirahara, Kan Nakatsuji, Fumio Komori, Yoichi Ando, and Iwao Matsuda	
Kondo regimes in a three-dots quantum gate (4 pages)	041310(R)
G. Chiappe, E. V. Anda, L. Costa Ribeiro, and E. Louis	
Interaction-induced edge channel equilibration (4 pages)	041311(R)
Anders Mathias Lunde, Simon E. Nigg, and Markus Büttiker	
Semiconductor-homojunction induction in single-crystal GaN nanostructures under a transverse electric field: <i>Ab initio</i> calculations (4 pages)	041312(R)
Hulusi Yilmaz, Brad R. Weiner, and Gerardo Morell	
Temperature and size-dependent suppression of Auger recombination in quantum-confined lead-salt nanowires (4 pages)	041313(R)
Valery I. Rupasov	
Surface physics, nanoscale physics, low-dimensional systems	
 Many-body instability of Coulomb interacting bilayer graphene: Renormalization group approach (4 pages)	041401(R)
Oskar Vafek and Kun Yang	
 Spontaneous inversion symmetry breaking in graphene bilayers (4 pages)	041402(R)
Fan Zhang, Hongki Min, Marco Polini, and A. H. MacDonald	
Electron-phonon coupling in potassium-doped graphene: Angle-resolved photoemission spectroscopy (4 pages)	041403(R)
M. Bianchi, E. D. L. Rienks, S. Lizzit, A. Baraldi, R. Balog, L. Hornekær, and Ph. Hofmann	
Nanostructuring surfaces: Deconstruction of the Pt(110)-(1×2) surface by C ₆₀ (4 pages)	041404(R)
X. Torrelles, V. Langlais, M. De Santis, H. C. N. Tolentino, and Y. Gauthier	

(Continued)