

1. V. I. Anisimov, F. Aryasetiawan, A. I. Lichtenstein, First-principles calculations of the electronic structure and spectra of strongly correlated systems: The LDA+U method. *Journal of Physics-Condensed Matter* **9**, 767-808 (1997).
2. A. Bansil, H. Lin, T. Das, Colloquium: Topological band theory. *Reviews of Modern Physics* **88**, (2016).
3. S. Baroni, S. de Gironcoli, A. Dal Corso, P. Giannozzi, Phonons and related crystal properties from density-functional perturbation theory. *Reviews of Modern Physics* **73**, 515-562 (2001).
4. T. Fukui, Y. Hatsugai, H. Suzuki, Chern numbers in discretized Brillouin zone: Efficient method of computing (spin) Hall conductances. *Journal of the Physical Society of Japan* **74**, 1674-1677 (2005).
5. A. Georges, G. Kotliar, W. Krauth, M. J. Rozenberg, Dynamical mean-field theory of strongly correlated fermion systems and the limit of infinite dimensions. *Reviews of Modern Physics* **68**, 13-125 (1996).
6. F. Giustino, Electron-phonon interactions from first principles. *Reviews of Modern Physics* **89**, (2017).
7. X. Gonze *et al.*, ABINIT: First-principles approach to material and nanosystem properties. *Computer Physics Communications* **180**, 2582-2615 (2009).
8. X. Gonze *et al.*, Recent developments in the ABINIT software package. *Computer Physics Communications* **205**, 106-131 (2016).
9. E. Gull *et al.*, Continuous-time Monte Carlo methods for quantum impurity models. *Reviews of Modern Physics* **83**, 349-404 (2011).
10. C. Hartwigsen, S. Goedecker, J. Hutter, Relativistic separable dual-space Gaussian pseudopotentials from H to Rn. *Physical Review B* **58**, 3641-3662 (1998).
11. R. O. Jones, Density functional theory: Its origins, rise to prominence, and future. *Reviews of Modern Physics* **87**, 897-923 (2015).
12. R. O. Jones, O. Gunnarsson, THE DENSITY FUNCTIONAL FORMALISM, ITS APPLICATIONS AND PROSPECTS. *Reviews of Modern Physics* **61**, 689-746 (1989).
13. W. Kohn, Nobel Lecture: Electronic structure of matter-wave functions and density functionals. *Reviews of Modern Physics* **71**, 1253-1266 (1999).
14. G. Kresse, J. Furthmuller, Efficient iterative schemes for ab initio total-energy calculations using a plane-wave basis set. *Physical Review B* **54**, 11169-11186 (1996).
15. G. Kresse, D. Joubert, From ultrasoft pseudopotentials to the projector augmented-wave method. *Physical Review B* **59**, 1758-1775 (1999).
16. N. Marzari, A. A. Mostofi, J. R. Yates, I. Souza, D. Vanderbilt, Maximally localized Wannier functions: Theory and applications. *Reviews of Modern Physics* **84**, (2012).
17. G. Onida, L. Reining, A. Rubio, Electronic excitations: density-functional versus many-body Green's-function approaches. *Reviews of Modern Physics* **74**, 601-659 (2002).

18. M. C. Payne, M. P. Teter, D. C. Allan, T. A. Arias, J. D. Joannopoulos, ITERATIVE MINIMIZATION TECHNIQUES FOR ABINITIO TOTAL-ENERGY CALCULATIONS - MOLECULAR-DYNAMICS AND CONJUGATE GRADIENTS. *Reviews of Modern Physics* **64**, 1045-1097 (1992).
19. R. Resta, MACROSCOPIC POLARIZATION IN CRYSTALLINE DIELECTRICS - THE GEOMETRIC PHASE APPROACH. *Reviews of Modern Physics* **66**, 899-915 (1994).
20. D. Xiao, M.-C. Chang, Q. Niu, Berry phase effects on electronic properties. *Reviews of Modern Physics* **82**, 1959-2007 (2010).