$$V_{,}(r,r') = \alpha \sum_{i} \frac{\psi_{i}(r) (\mu |r - r'|)\psi_{j}^{*}(r)}{|r - r'|}.$$
 (2)

A a 1 = a a a a $\mu = 0.2$ a $\mu = 0$, Eq. (2). S a $\mu = 0$, Eq. a^{L}_{a} a^{*}_{a} (X, PBE, HSE-25, a HSE-40), Ta II, GGA (X, PBE, Y)



E. Assessment of previous LDA-corrected calculations

+1.3 V.

- *^J @ _1. a .a . ¹G. Pa , , , F. F , , , D. R, , a J. A. W , P. \sharp . R . B **63**, 054102 (2000). ²S. La a A. Z₁ , P. \sharp . R . B **80**, 085202 (2009). ³K. Va , \sharp , W. L. Wa , C. H. S a₁ , D. R. Ta a , J. A. V , a B. E. G a , J. A . P. \sharp . **79**, 7983 (1996).