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B. Xu, H. Xiao, B. Gao, Y. H. Ma, G. Mu, P. Marsik, E. Sheveleva, F. Lyzwa, Y. M. Dai, R. P. S. M. Lobo, and C. Bernhard	
Charge disproportionation of mixed-valent Cr triggered by Bi lone-pair effect in the A -site-ordered perovskite $\text{BiCu}_3\text{Cr}_4\text{O}_{12}$ (<i>7 pages</i>)	195111
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