8. 已知$\frac{\cos\alpha}{\cos\alpha-\sin\alpha}=\sqrt{3}$，则$\tan\left(\alpha+\frac{\pi}{4}\right)=$（　）

A. $2\sqrt{3}+1$

B. $2\sqrt{3}-1$

C. $\frac{\sqrt{3}}{2}$

D. $1-\sqrt{3}$