Supplementary

C_4S nanosheet: A potential anode material for potassium-ion batteries

Shaohua Lu[1,*], Enhao Lu[1], Kai Zhu[1], and Xiaojun Hu[1,*]

[1] College of Materials Science and Engineering, Zhejiang University of Technology, Hangzhou 310014, China.

* Corresponding Author.
E-mail: lsh@zjut.edu.cn (S. Lu); huxj@zjut.edu.cn (X. Hu)

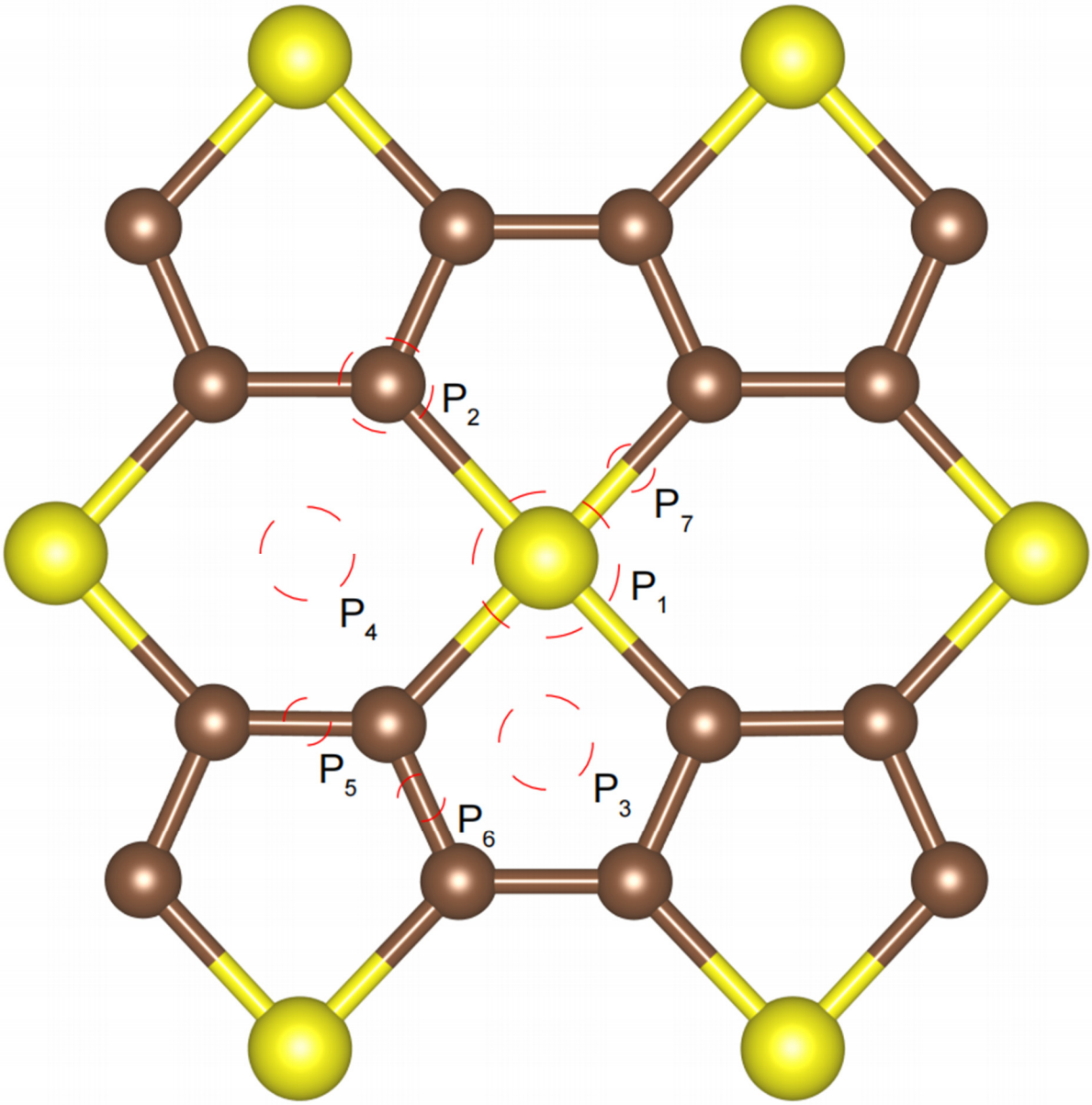

Figure S1. Adsorption position of C_4S monolayer.

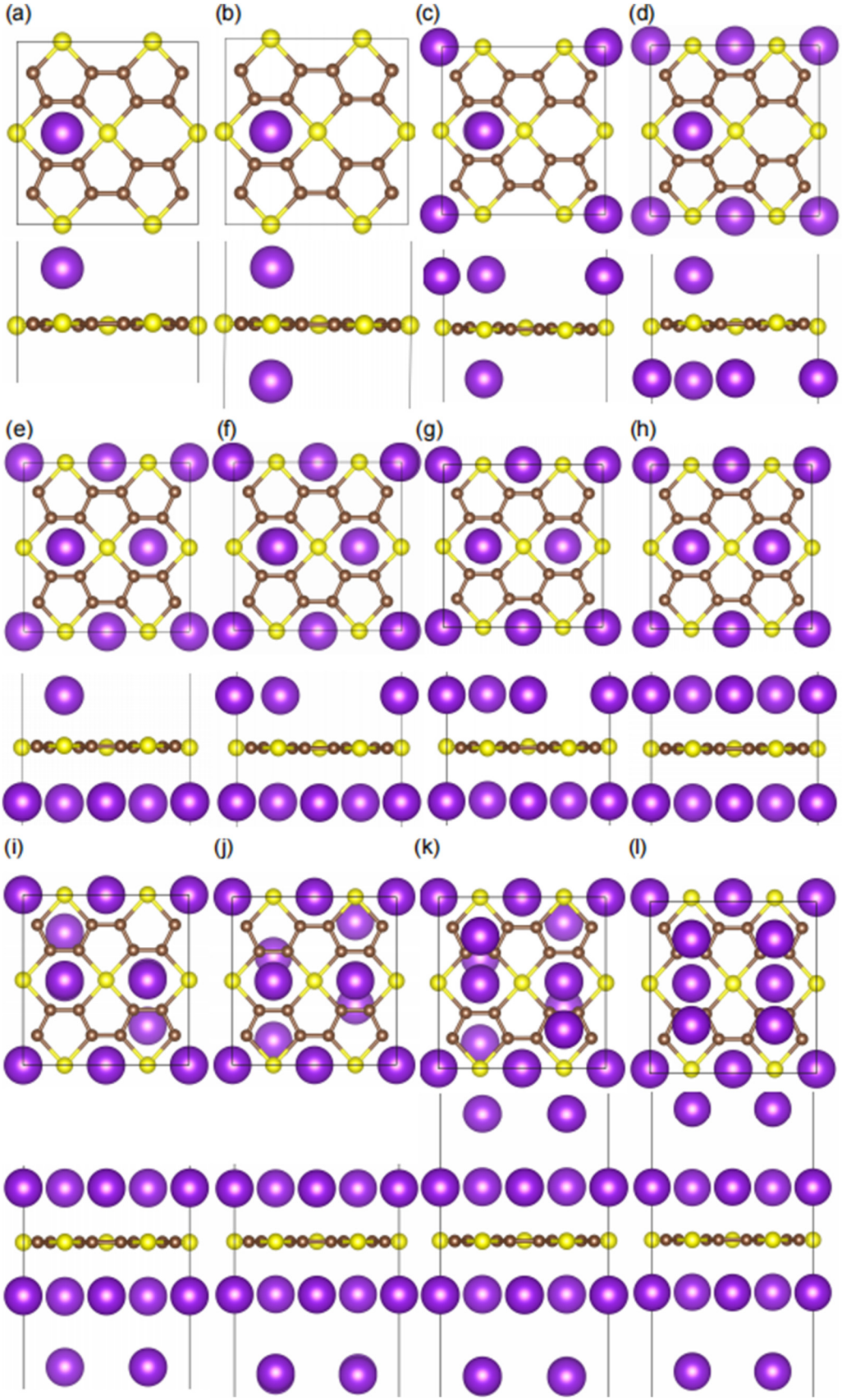

Figure S2. The optimized atomic structures for (a) $C_4SK_{0.25}$, (b) $C_4SK_{0.5}$, (c) $C_4SK_{0.75}$, (d) C_4SK, (e) $C_4SK_{1.25}$, (f) $C_4SK_{1.5}$, (g) $C_4SK_{1.75}$, (h) C_4SK_2, (i) $C_4SK_{2.5}$, (j) C_4SK_3, (k) $C_4SK_{3.5}$, (l) C_4SK_4.