


ARTICLE

# Uncovering and tailoring hidden Rashba spin-orbit splitting in centrosymmetric crystals

Linding Yuan <sup>1,2</sup>, Qihang Liu<sup>3,4</sup>, Xiuwen Zhang<sup>5</sup>, Jun-Wei Luo<sup>1,2,6</sup>, Shu-Shen Li<sup>1,2,6</sup> & Alex Zunger<sup>3</sup>







$$\begin{aligned}
& \beta ( \dots \beta^{-1} a a a ). \\
& \delta E_{AB}(k) a a \dots -2 \\
& \alpha ( 2 ) = 0.24 \dots a \\
& -1 \dots / \\
& \delta_{AB}(k) \dots \alpha^{-1} a \dots \beta^{-1} a a a , \\
& \dots \alpha = \delta E_{AB}(k - \dots) / 2(k - \dots), \\
& E : \alpha \dots \alpha^{-1} a a a \\
& \beta^{-1} a a a \dots a a a
\end{aligned}$$





28. ... a, ... a. D ... a ... a a a a ...  
... B 94, 205111 (2016).
29. a, ... a. C a ... a ... a ...  
... /B<sub>2</sub> ... a ... 8, 5564 (2018).
30. Ca, ... & a M ... fi a a a ... a a a a  
... L ... 55, 2471-2474 (1985).
31. M ... D M ... D ... a ... ( ... &  
B M ... a, 2013).
32. a, ... & M ... D ... a ... a ...  
... L ... 51, 1888-1891 (1983).
33. a, ... B M ... & M ... a a a a a a  
... L ... 77, 3865-3868 (1996).
34. ... & ... fi a - ... a a a a a a  
... a a - a a a a C ...  
6, 15-50 (1996).
35. ... & a, ... D a ... B ... a a  
... B 13, 5188-5192 (1976).
36. ... a, A, A ... & aa, ... D ... a a a a  
... a a : a M ... a a a a ... B  
52, 5467 (1995).
37. ... &