F a :b a V c ?

Ha e o e e n o hand along a fea he ' ba b and a ched a he fea he n ip and ip , eeming o mi ac lo l p ll i elf back oge he ? Tha magical ipping mechani m co ld p o ide a model fo ne adhe i e and ae o pace ma e ial . Re ea che Ta ah S lli- an, ho ea ned a Ph.D. in ma e ial cience in Ma c Me e ' lab a he Jacob School, de- eloped 3D-p in ed c e ha mimic he fea he ' ane , ba b and ba b le o be e nde and hei p ope ie . The o k, p bli hed in Science Ad ance , co ld e e a in pi- a ion fo an in e locking one-di ec ional adhe i e o a ma e ial i h di ec ionall ailo ed pe meabili . The image e e a he i al fo Re ea ch E po 2019.

Lea n mo e: bi .l /Fea he S c e

Add a b a a c

Ne nding abo pe o ki e p bli hed in Science co ld pa e he a fo lo e -co , highe -e icienc ola cell . U ing high-in en i X- a mapping, he e ea che e plain h adding mall amo n of ce i m and bidi m al imp o e he pe fo mance of he cla of ola cell ma e ial called lead-halide pe o ki e . We' e looking deepe in o ome of he a e-of- he-a chemi ie o nde and ha d i e pe o ki e pe fo mance and h he o k o ell, aid nanoenginee ing p ofe o Da id Fenning, a membe of he UC