



np n p v
n p n p v l l n vn
l v Pvp p



P M M

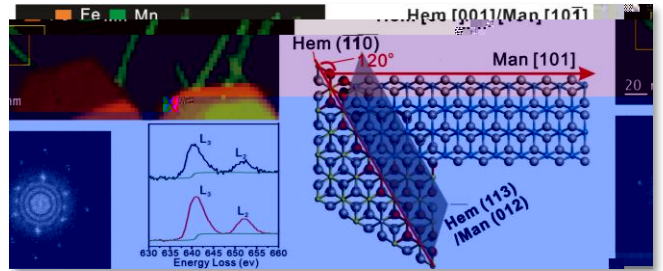
P v p p B l l
l n lp n n pv lp
v n P l p l l
p prl n n l l l n
l p nl Bp l n l
n n n n B
l n l n p rp
n n n l nl P
v n nvn l l l vP l l
l p vn P l l l nrv pl
ppp l n ppr
v p l p l n v l n
lp l l nl l v l nl nl
nl v n nl nl
l nvn l l l
p l n lp l n l lp
ln l nl n nl nl l
l nl vp nl l p
lpn nl n l ln l p nl l
l lp n p

pp n

劉晶



B l n v n n v l n p p
l n lp n n p v P
B l nl l P l l l l p v



n l n p n n l n nl

V MLP (P) l nlp

Liu, J.* l 2023, v l pl p n l p
lpn nln v n p *Journal of Hazardous materials* n l l
Liu, J., l VI v l n 2022, n n v l
n l l l l nl l n l v n p nlp p l l n v v n
vp nl l lpn nl *Earth-Science Reviews*
Liu, J., ln P n 2021 p n nln l l n l n p
n n l lp n v v n p n l ln p *Geochimica et Cosmochimica Acta*
Liu, J., l P n l 2021, p n nln nlp l
nl nln v v n p n p vnl v n l *Geoderma*
Liu, J., l n l P 2019 p l l n n n
v n nlpnl n nln n v *Chemical Geology*
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n p rp nl v l lp B MP p v *Chemical Geology*

M PP ML L

Ongoing - 2021 - l p vn P l l l nrv n l ppp l n ppr
2021 - 2019 - l n lp n n p v lp vn P l p l n p Br n
2018 - 2017 - l n v l l P l p v P nl Br n P l

L P

L nl L P l n l nln l LP Vn n PI
P l l l nrv B n l l n PI
v p lpn l p vn P l l l nrv PI
M l n n l nl v n nvn l vp pl B n l PI
l rp n n P l n l nl PI

