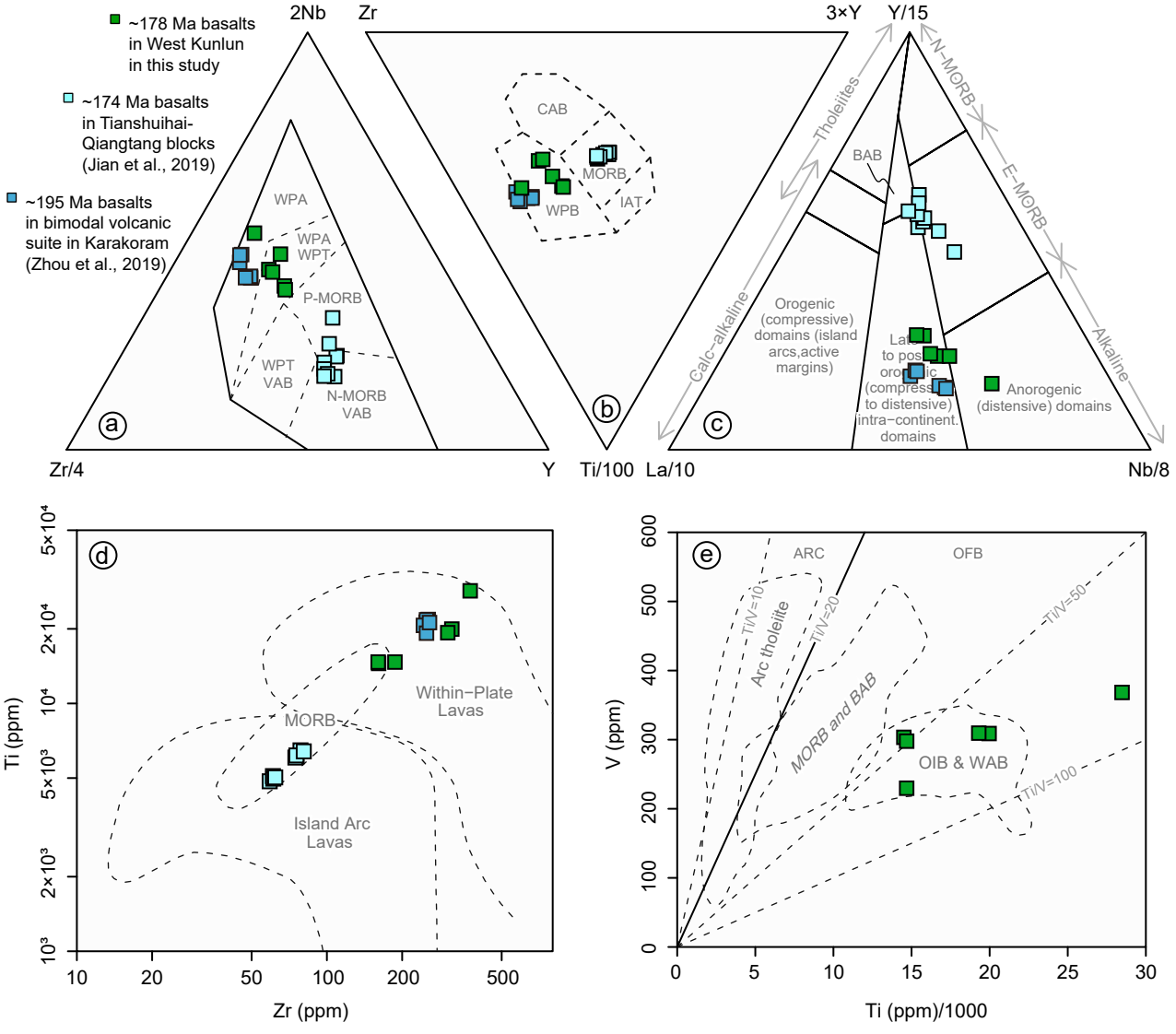
~178 Ma basalts in West Kunlun in this study
~174 Ma basalts in Tianshuihai-Qiangtang blocks (Jian et al., 2019)
~195 Ma basalts in bimodal volcanic suite in Karakoram (Zhou et al., 2019)
2Nb
Zr
Zr/4
Y
WPA
WPA WPT
P-MORB
WPT VAB
N-MORB VAB
a
CAB
MORB
WPB
IAT
b
3×Y
Y/15
Ti/100
La/10
Nb/8
Tholeiites
N-MORB
E-MORB
Alkaline
Calc-alkaline
BAB
Orogenic (compressive) domains (island arcs,active margins)
Late to post orogenic (compressive to distensive) intra-continent. domains
Anorogenic (distensive) domains
c
d
Ti (ppm)
Zr (ppm)
Within-Plate Lavas
MORB
Island Arc Lavas
e
V (ppm)
Ti (ppm)/1000
ARC
OFB
Arc tholeiite
MORB and BAB
OIB & WAB
Ti/V=10
Ti/V=20
Ti/V=50
Ti/V=100