

Figure.S1 Temporal profiles of EC particle and NO₂

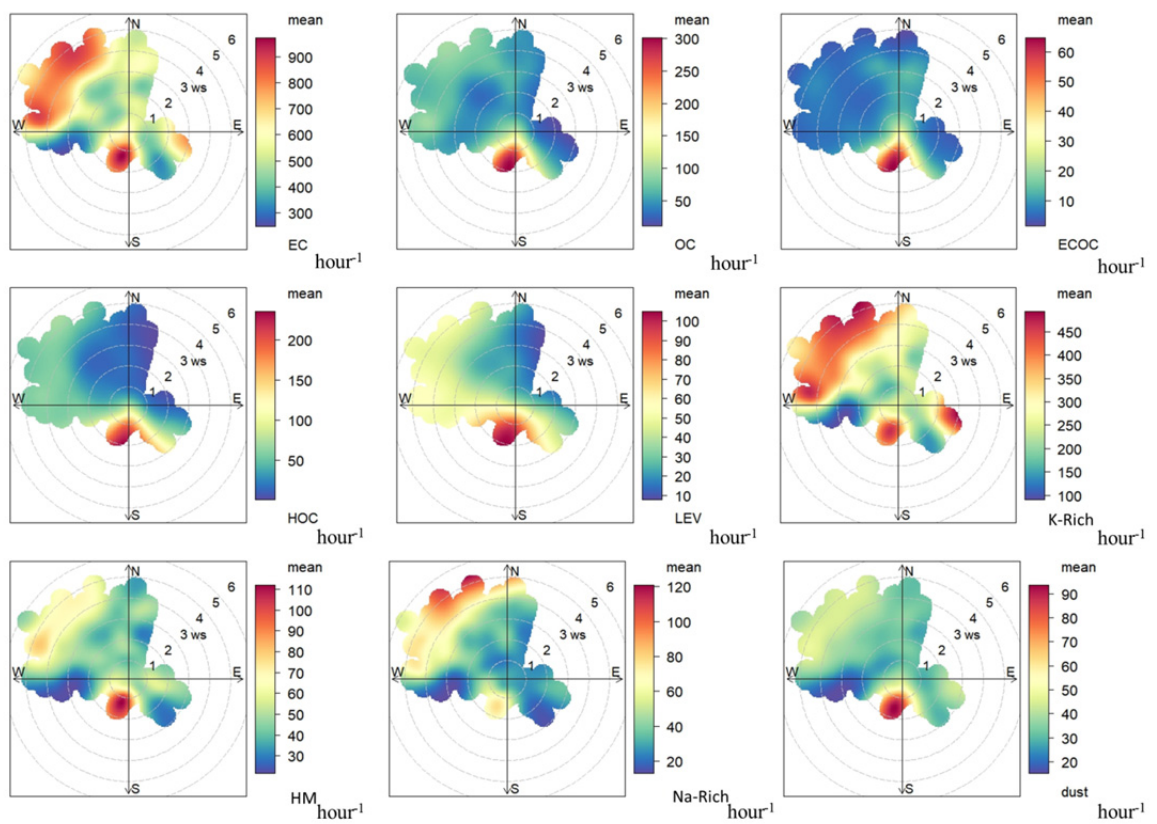


Figure.S2 Polar plots of nine particle types

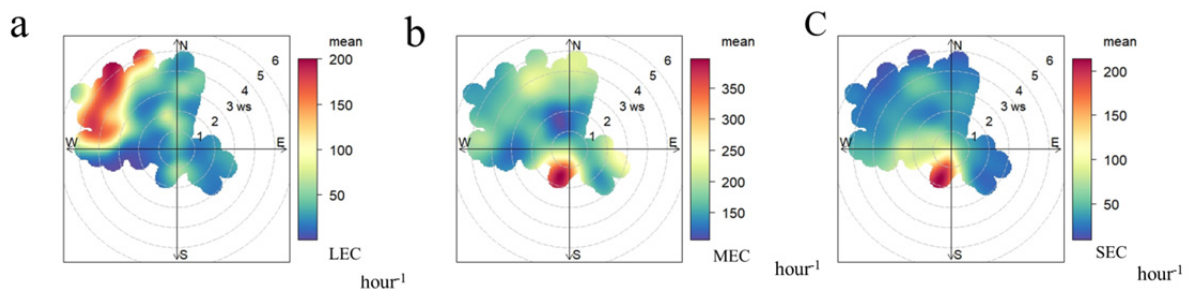


Figure.S3 Polar plots of (a) smaller size EC (<0.45µm) and (b) medium size EC particles (0.45-0.60 µm) and (c) larger size EC particles (>1.0 µm)

	SEC	MEC	RH
SEC	1		
MEC	-0.224**	1	
RH	-0.284**	.0199**	1

** . Significant at $p < 0.01$

Table.S1 Coefficient of correlation values of the linear regressions between hourly time series medium size EC particles, medium size EC particles and RH.