Diurnal variation of amplified canopy urban heat island in Beijing megacity during heat wave periods: Roles of mountain-valley circulation and urban morphology

Tao Shi¹, Yuanjian Yang²*, Ping Qi¹, Simone Lolli³

¹School of Mathematics and Computer Science, Tongling University, Tongling, 244000, China
²School of Atmospheric Physics, Nanjing University of Information Science and Technology, Nanjing, 210044, China
³CNR-IMAA, Contrada S. Loja, 85050 Tito Scalo (PZ), Italy

Correspondence to: Prof. Yuanjian Yang (yyj1985@nuist.edu.cn)

Figures S1 and S2

Figure: S1 During the mountain breeze phase, the spatial patterns of amplified CUHII during HW periods. (a)2016, (b)2017, (c)2018, (d)2019, (e)2020, (f)average value from 2016 to 2020.
Figure: S2 During the valley breeze phase, the spatial patterns of amplified CUHII during HW periods. (a) 2016, (b) 2017, (c) 2018, (d) 2019, (e) 2020, (f) average value from 2016 to 2020.