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 Yang^{2*}, 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, (b)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, (b)average value from 2016 to 2020.