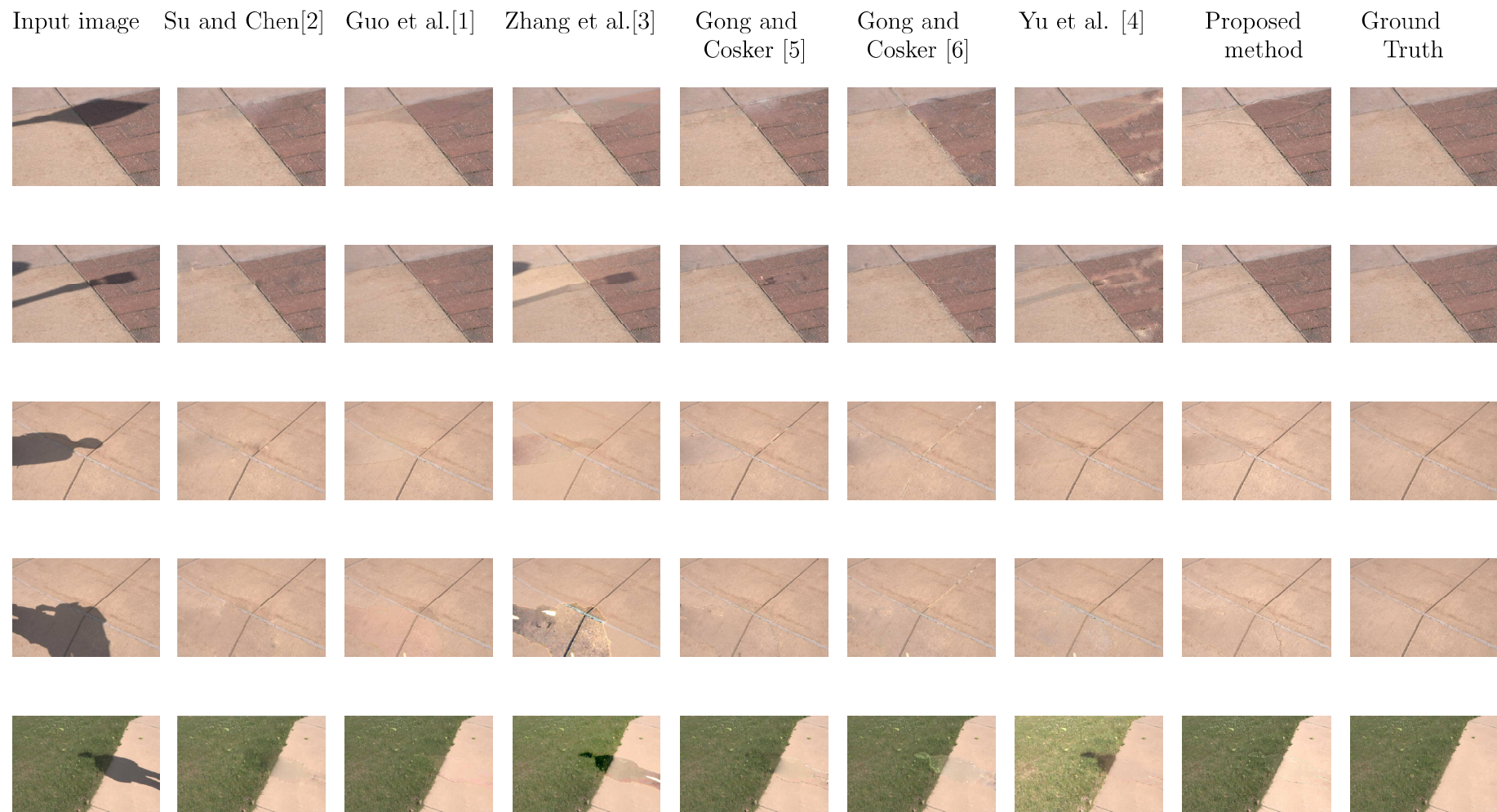


Single Image Shadow Removal by Optimization using Non-shadow Anchor Values

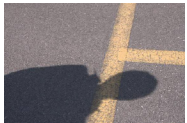
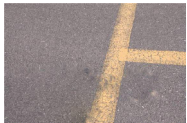
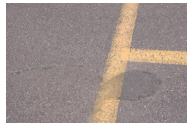
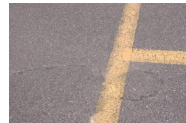
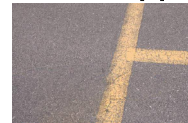
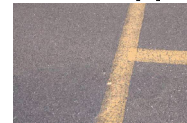
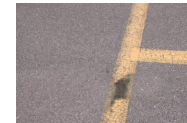
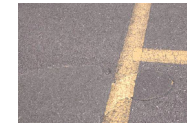
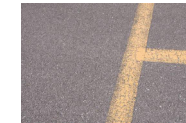
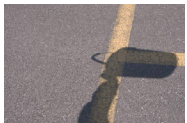
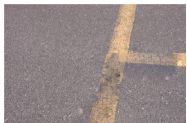
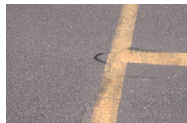
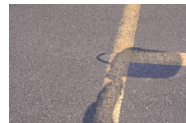
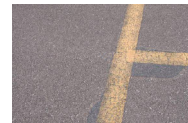
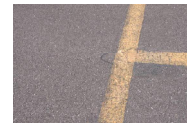
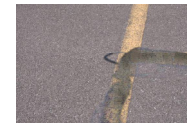
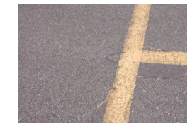
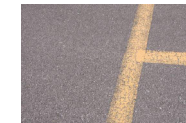
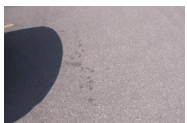
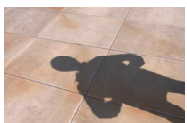
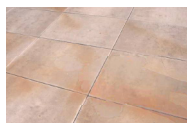
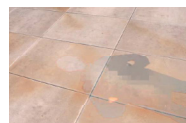
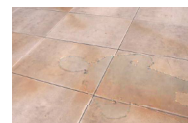
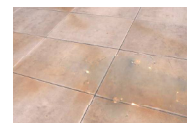
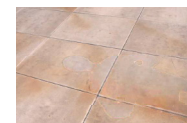
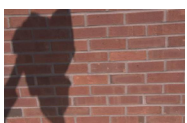
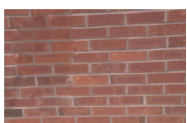
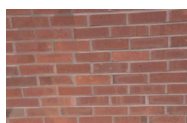
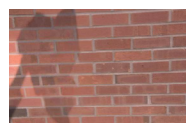
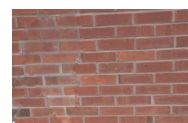
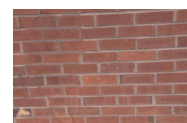
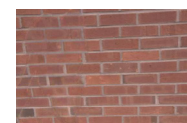
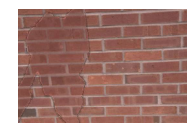
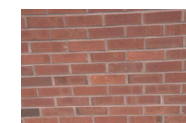
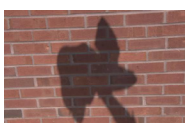
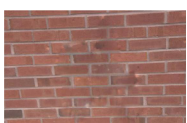
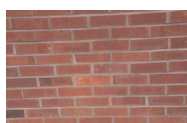
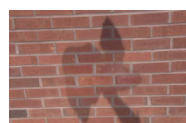
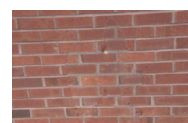
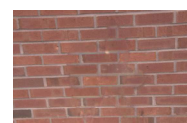
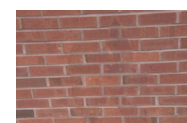
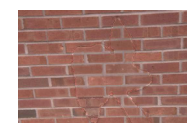
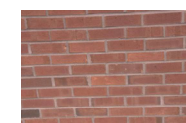
Supplementary Material

Comparison of shadow removal techniques on images from UIUC dataset [1]

(A) Images for which the ground truth is created by removing the object causing shadow.(46 images)

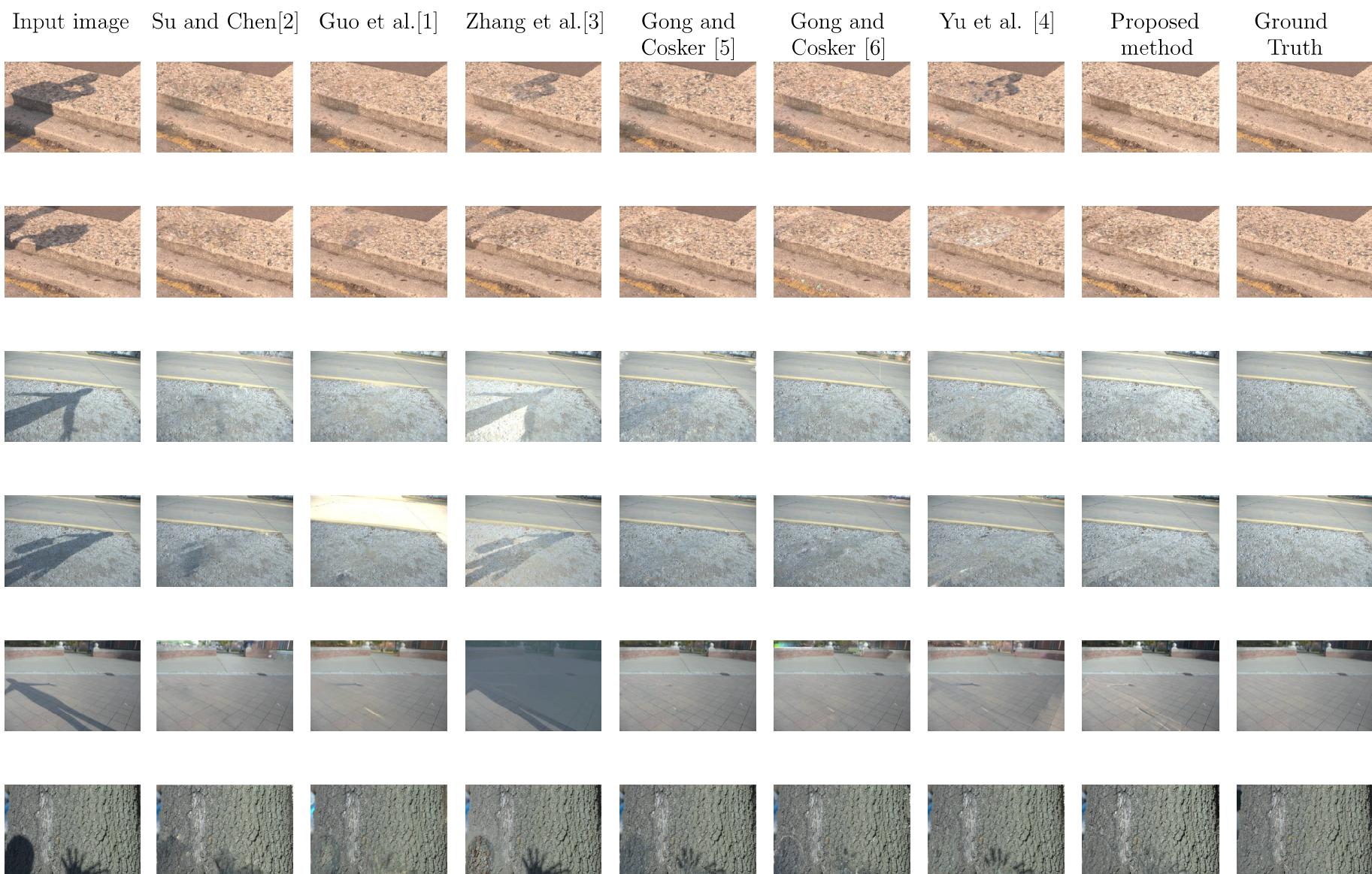


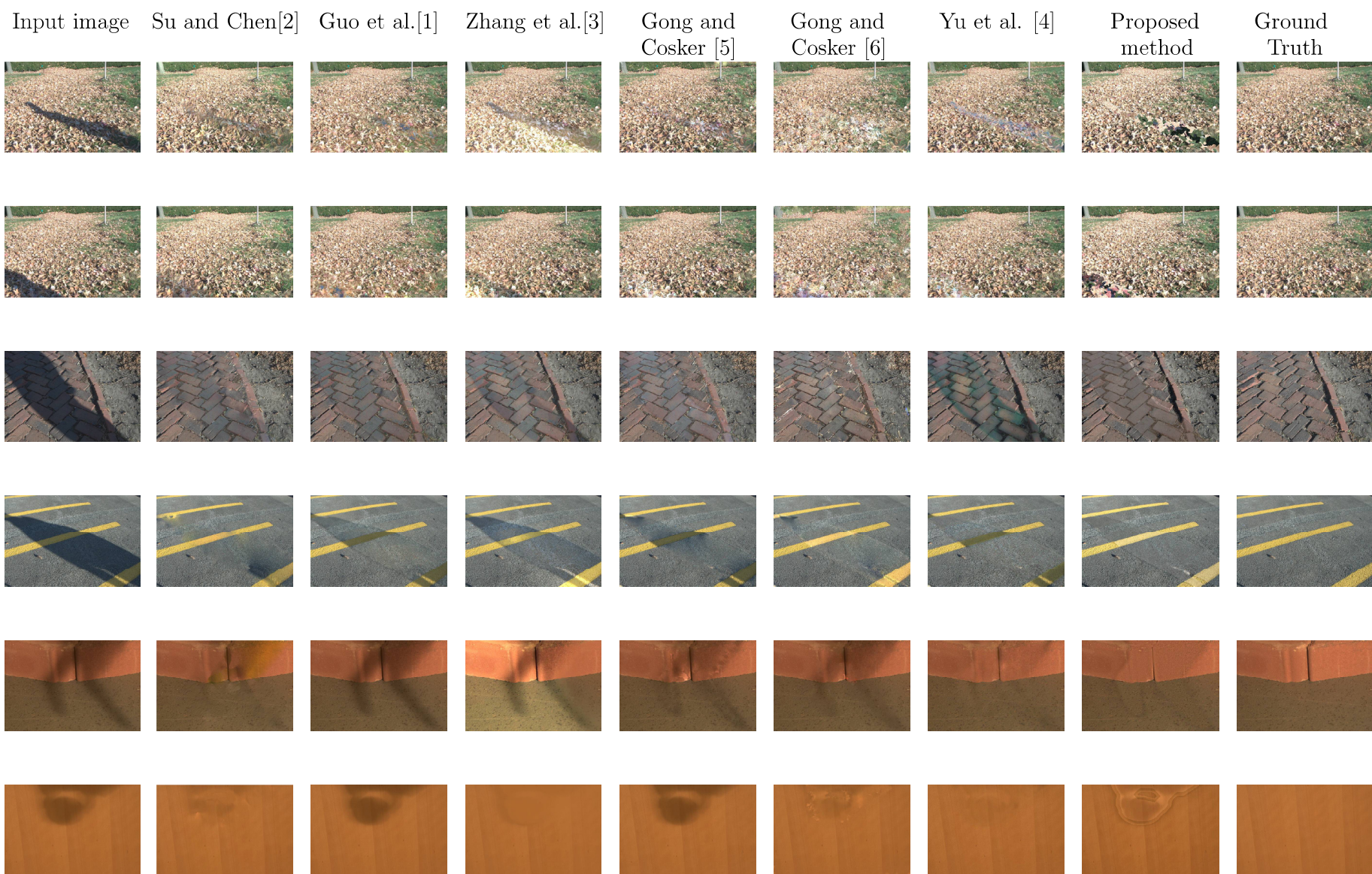
Input image	Su and Chen[2]	Guo et al.[1]	Zhang et al.[3]	Gong and Cosker [5]	Gong and Cosker [6]	Yu et al. [4]	Proposed method	Ground Truth

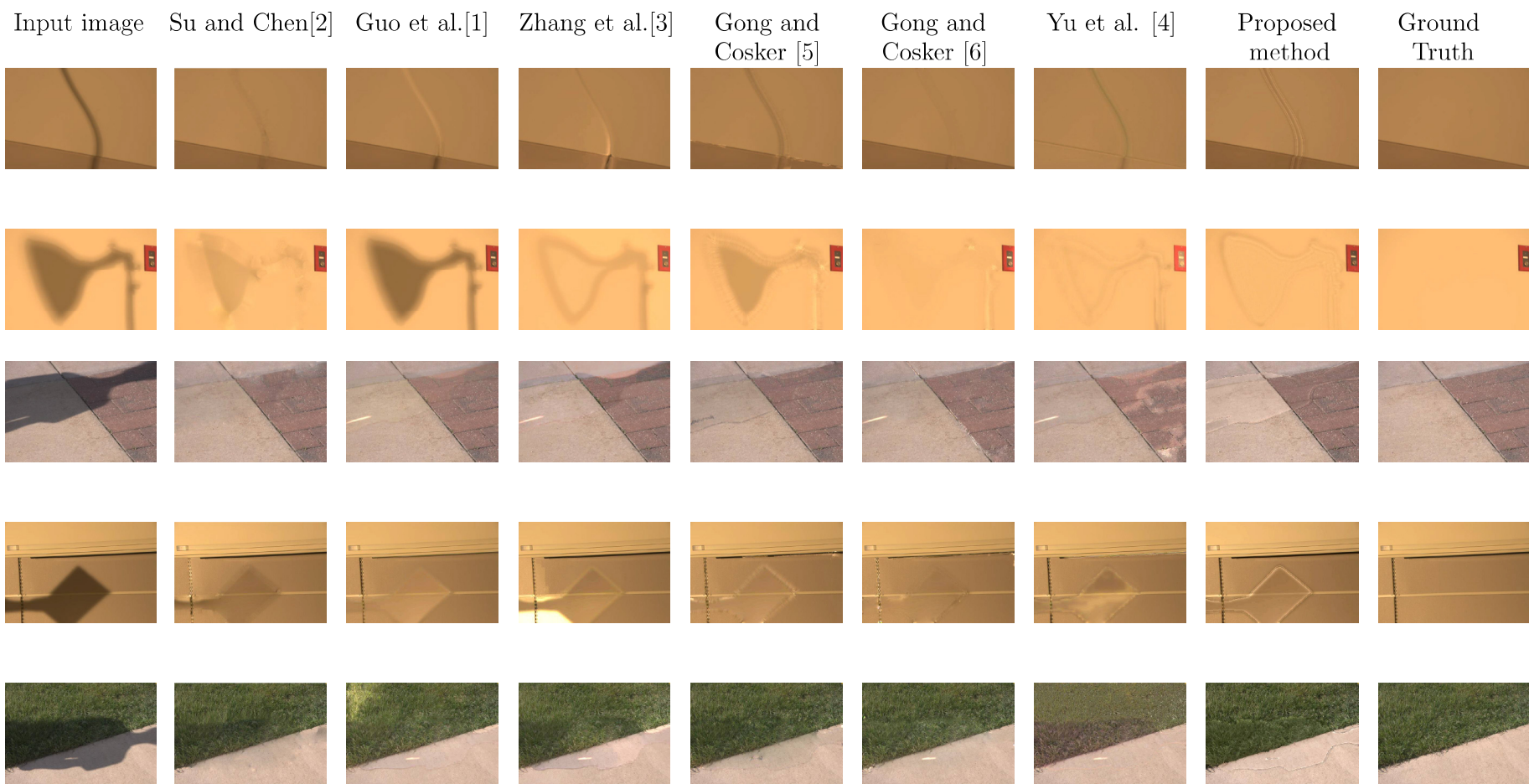
Input image	Su and Chen[2]	Guo et al.[1]	Zhang et al.[3]	Gong and Cosker [5]	Gong and Cosker [6]	Yu et al. [4]	Proposed method	Ground Truth
								
								
								
								
								
								



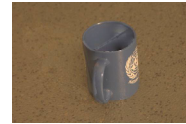
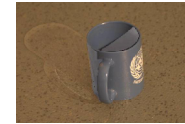
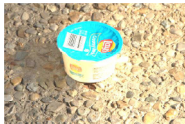
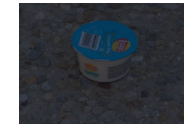
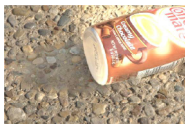
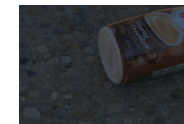


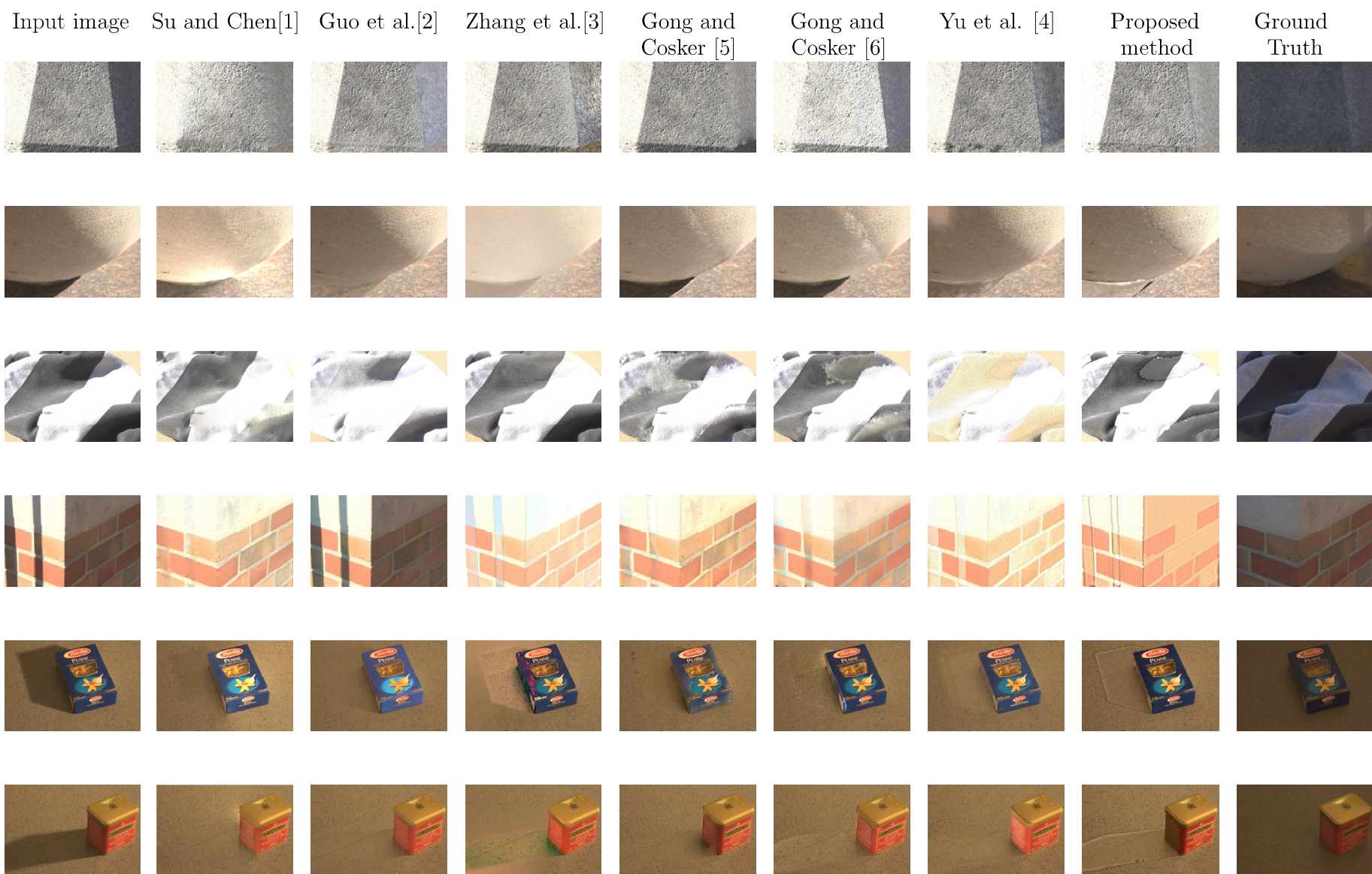


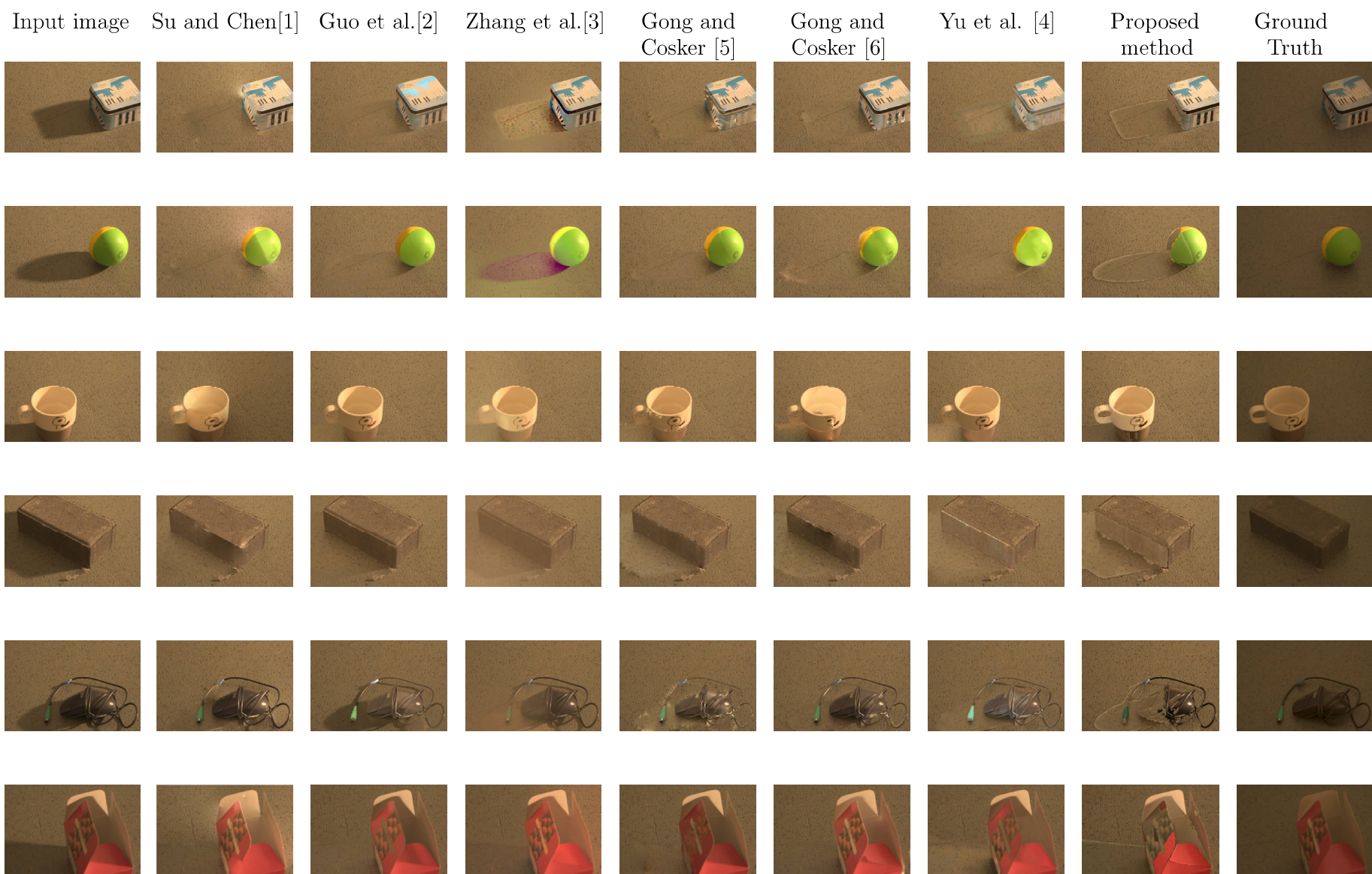


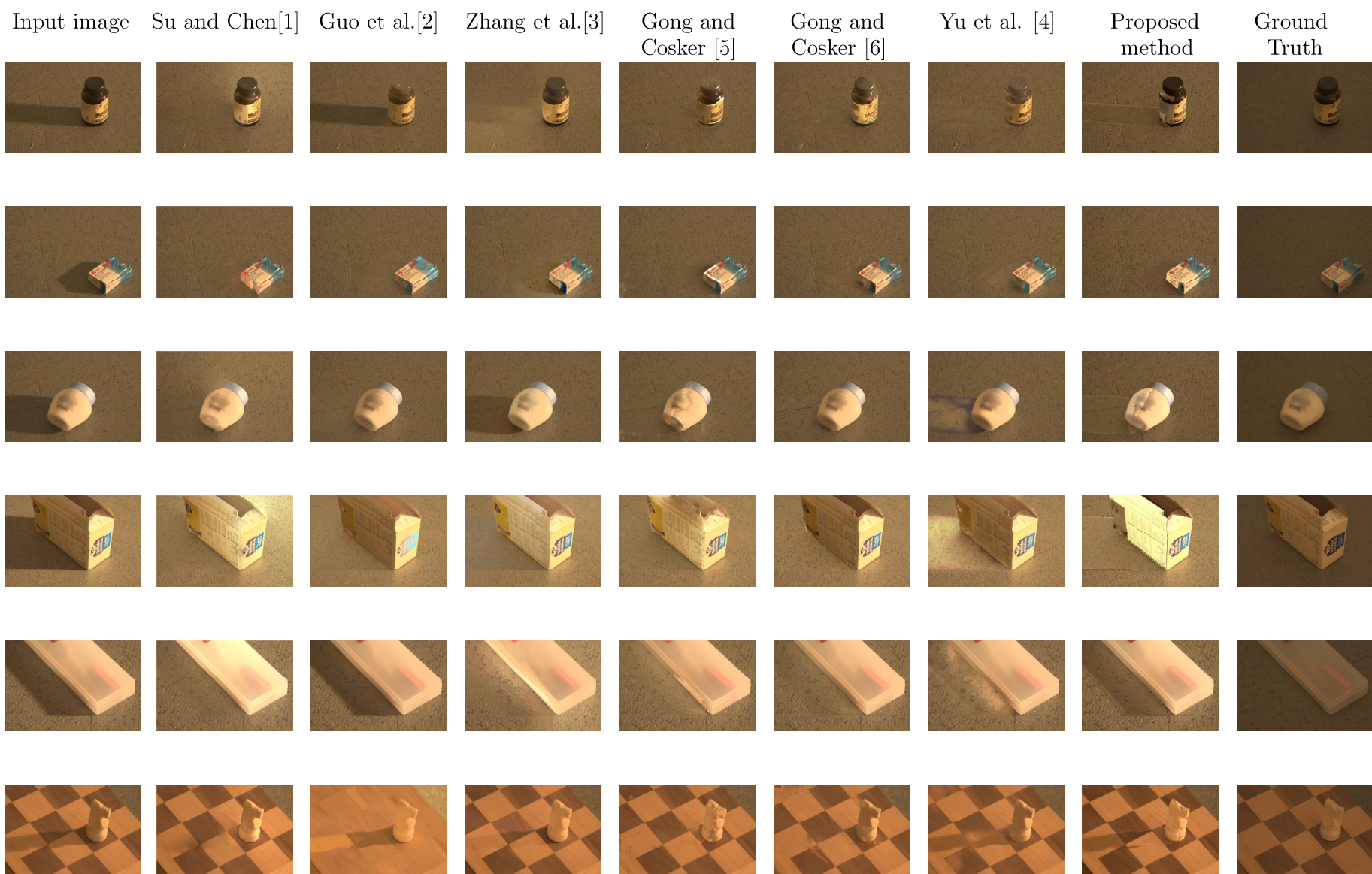


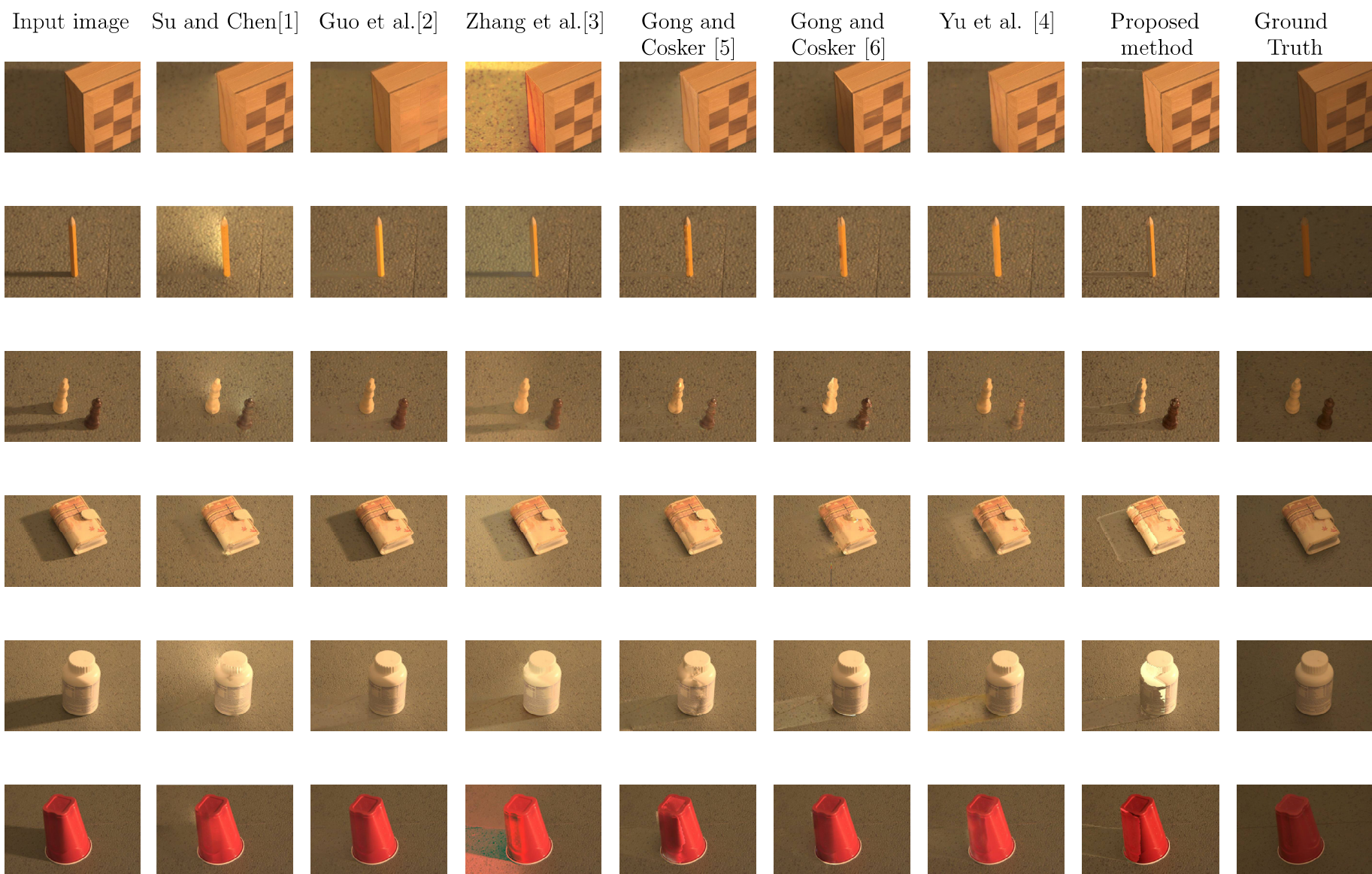
(B) Images for which the ground truth is created by removing the light source responsible for the shadow.(30 images)

Input image	Su and Chen[1]	Guo et al.[2]	Zhang et al.[3]	Gong and Cosker [5]	Gong and Cosker [6]	Yu et al. [4]	Proposed method	Ground Truth
								
								
								
								
								
								









References

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- [2] Guo, R.; Dai, Q.; Hoiem, D. Paired regions for shadow detection and removal. *IEEE transactions on pattern analysis and machine intelligence*, 35(12):2956–2967, 2013.
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- [6] Gong, H.; Cosker, D. User-assisted image shadow removal. *Image and Vision Computing*, 62:19–27, 2017.