1	Supplementary Material
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3	Two-dimensional MXene enabled carbon quantum dots@Ag
4	with enhanced catalytic activity towards the reduction of <i>p</i> -
5	nitrophenol
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18 Fig. S1 (a) SEM image of MXene; TEM images of CQDs (b), CQD@Ag/MXene

- 19 (c) and CQD@Ag (d), inset of (b), (c) and (d) are particle size distribution of CQDs,
- 20 CQD@Ag/MXene and CQD@Ag, respectively.
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24 Fig. S2 High-resolution XPS spectra of (a) C1s, (c)O1s, (e)N1s of CQD@Ag, (b) C1s,

25 (d)O1s, (f)N1s of CQD@Ag/MXene.



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Fig. S3 UV-vis absorption spectra during the catalytic reduction of PNP with (a) Ag
NPs, (b) CQDs, (c) MXene and (d) Ag/MXene.



