Electronic Supplementary Material (ESI) for Dalton Transactions.

Supplementary materials

Studies of graphene influence on laser induced white emission spectra of Sr_2CeO_4/graphene flakes composites

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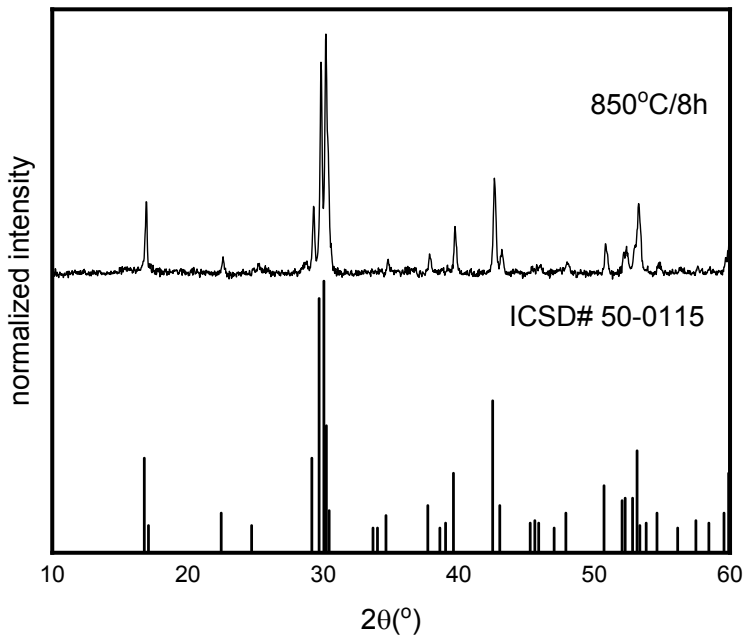

Fig. S1. X-ray diffraction pattern of Sr_2CeO_4 nanocrystals.

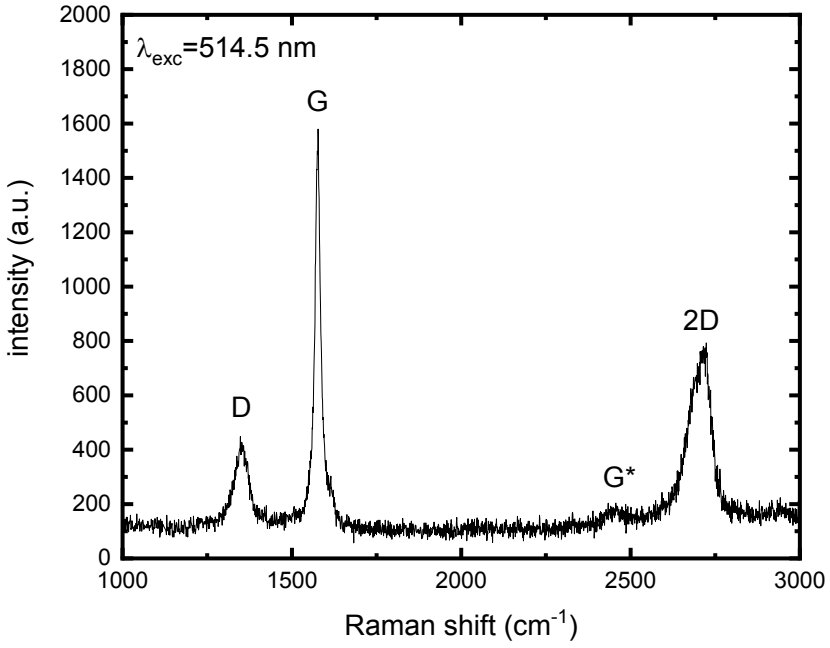

Fig. S2. Raman spectra of graphene flakes recorded under 514.5 nm excitation line.

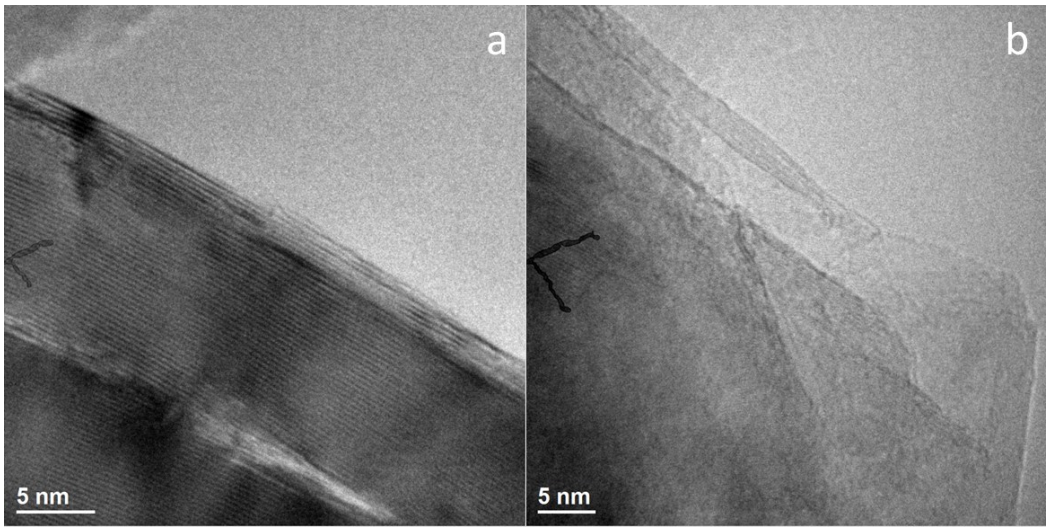

Fig. S3. TEM images of graphene flakes.

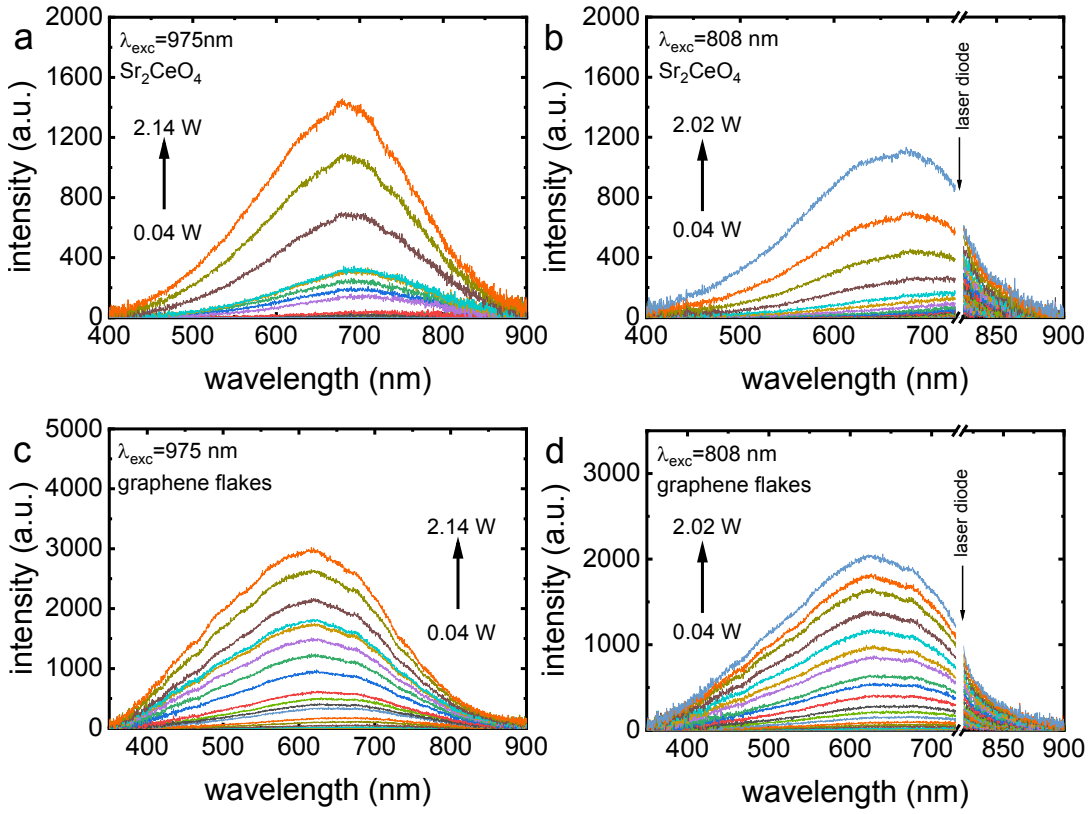

Fig. S4. Emission spectra of pure Sr_2CeO_4 nanocrystals (a.b) and graphene flakes (c,d) measured for increasing excitation power of laser diode operating upon 975 nm (a,c) and 808 nm (b,d).

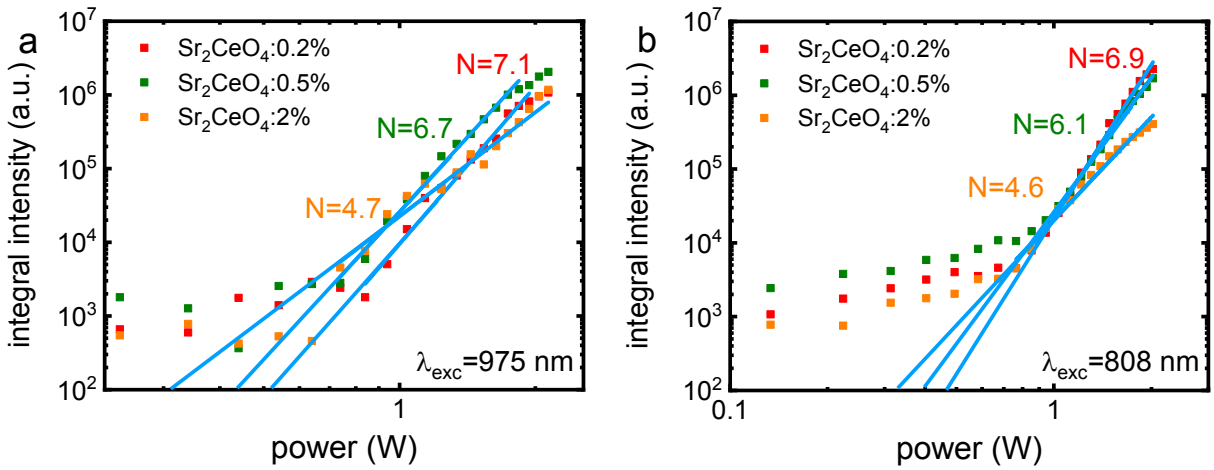

Fig. S5. Power dependence of Sr_2CeO_4 doped with different concentration of graphene flakes recorded under 975 nm (a) and 808 nm (b) excitation lines.

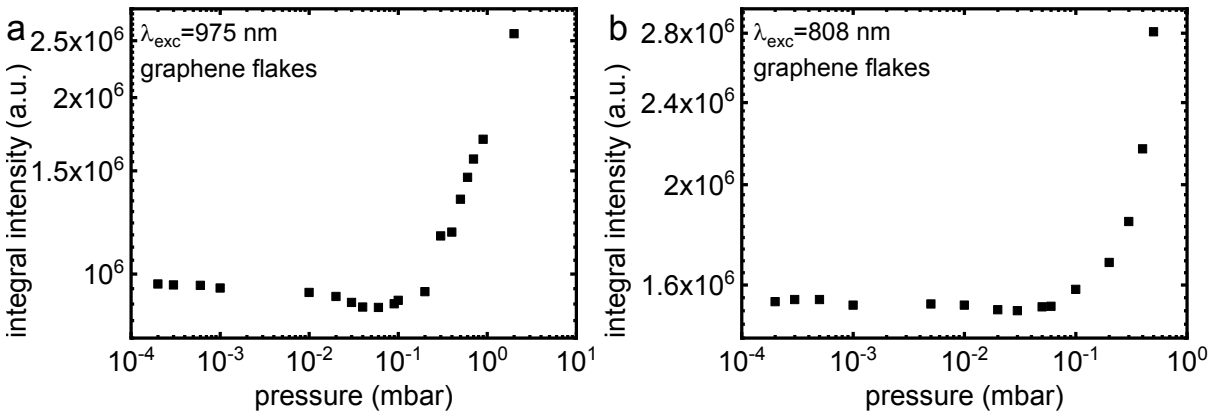

Fig. S6. Pressure dependence of graphene flakes recorded under 975 nm (a) and 808 nm (b) excitation lines.