

## ***Electronic Supplementary Information for***

# **Artificial photosynthesis over graphene-semiconductor composites. Are we getting better?**

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### **Appendix of references related to the various applications of GR-based composite photocatalysts.**

**Note:** We hope that the supplementary information here would be friendly for both graduate students and experts who want to go to the literatures for further reading.

1. CO<sub>2</sub> reduction (Ref. S1-S10)
2. Environmental remediation (Ref. S11-S50)
3. Selective organic transformation (Ref. S51-S56)
4. Water splitting (Ref. S57-S74)

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