

Electronic supplementary information

Preparation and tribological properties of graphene oxide/nano-MoS₂ hybrid as multidimensional assembly used in polyimide nanocomposites

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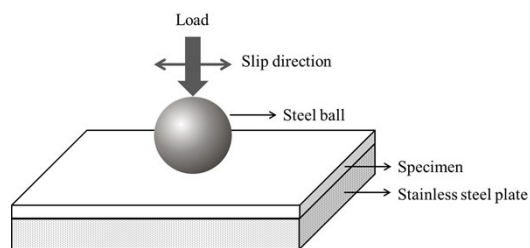


Fig. S1 Schematic diagram of the contact configuration of the reciprocating friction and wear testing machine.

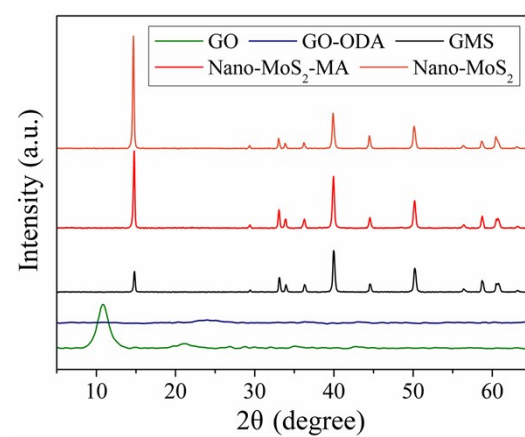


Fig. S2 XRD patterns of nano-MoS₂, nano-MoS₂-MA, GO, GO-ODA and GMS.

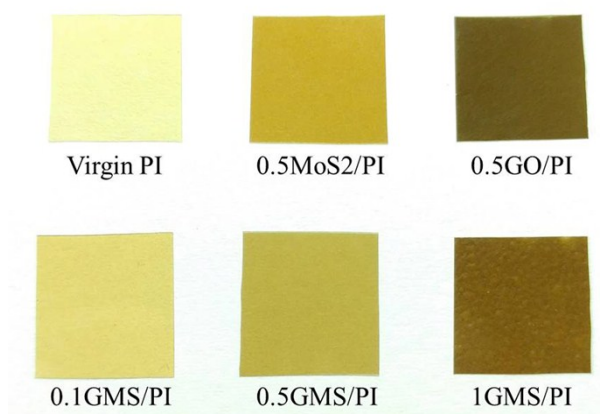


Fig. S3 Digital photographs of virgin PI, 0.5GO/PI, 0.5MoS₂/PI, 0.1GMS/PI, 0.5GMS/PI and 1GMS/PI specimens.

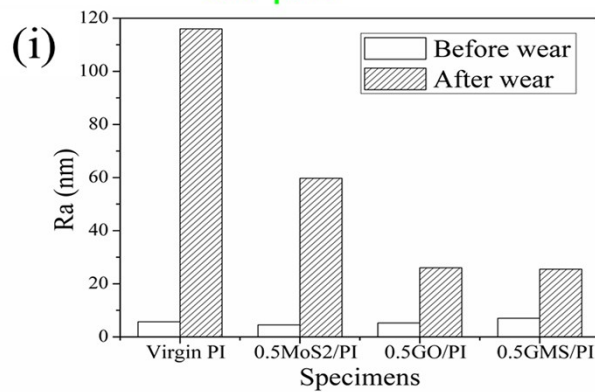
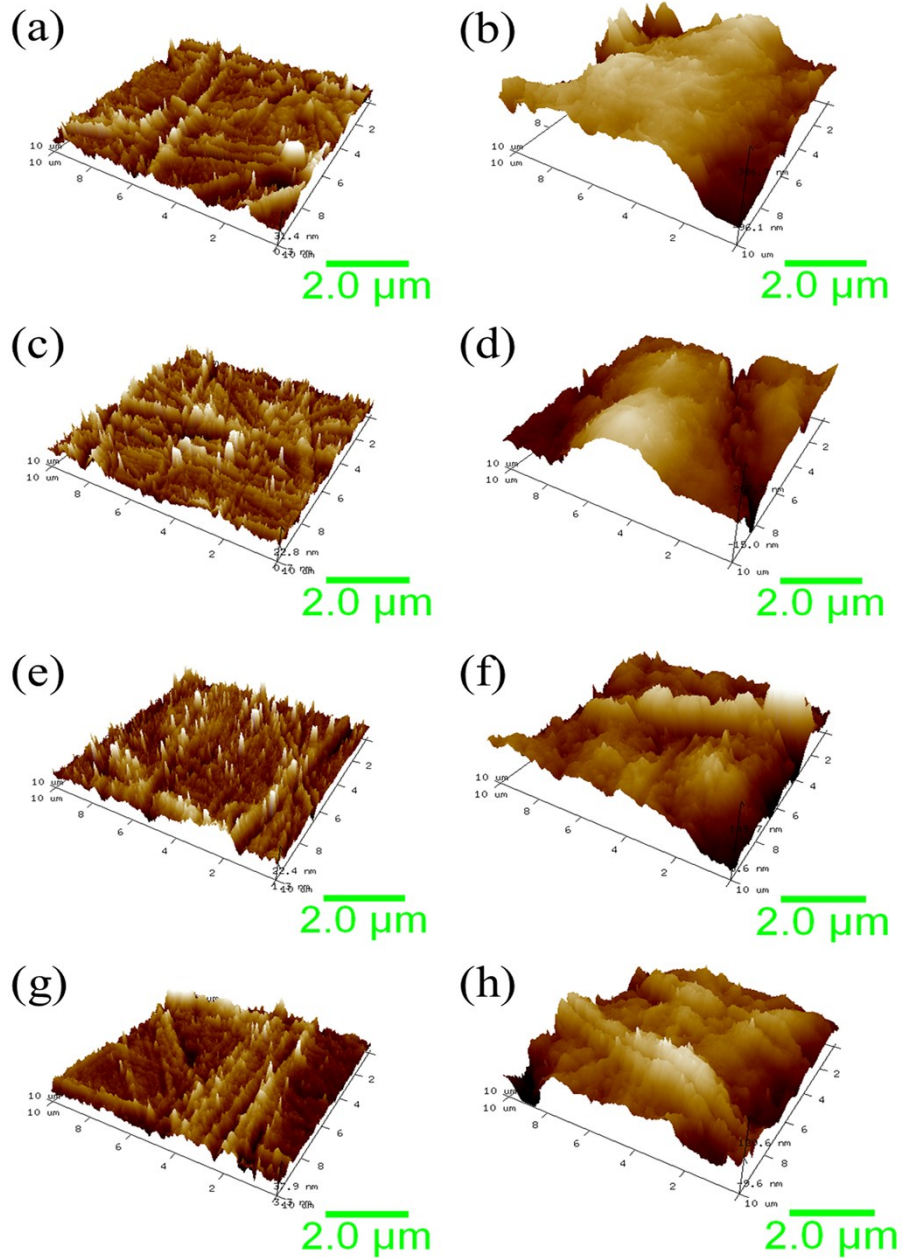


Fig. S4 3D surface appearances of (a) virgin PI, (c) 0.5MoS2/PI, (e) 0.5GO/PI, (g) 0.5GMS/PI specimens before wear and (b) virgin PI, (d) 0.5MoS2/PI, (f) 0.5GO/PI, (h) 0.5GMS/PI specimens after wear. (i) Degree of roughness of specimens.