



Article Insight into the Effect of TDMs on the Tribological Behaviors of the Ionic Liquid Composite Films

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Figure S1. Raman spectra of the MoS2 nanosheets and graphene.



Figure S2. Morphology of the IL composite films observed by optical microscope: (**a**) IL, (**b**) IL/0.1M, (**c**) IL/1M, (**d**) IL/0.1G, (**e**) IL/1G.



Figure S3. The wear process of the nonuniformity IL composite with excess additives.



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