

Supporting Information

Simple Laser-Induced Hexagonal Boron Nitride Nanospheres for Enhanced Tribological Performance

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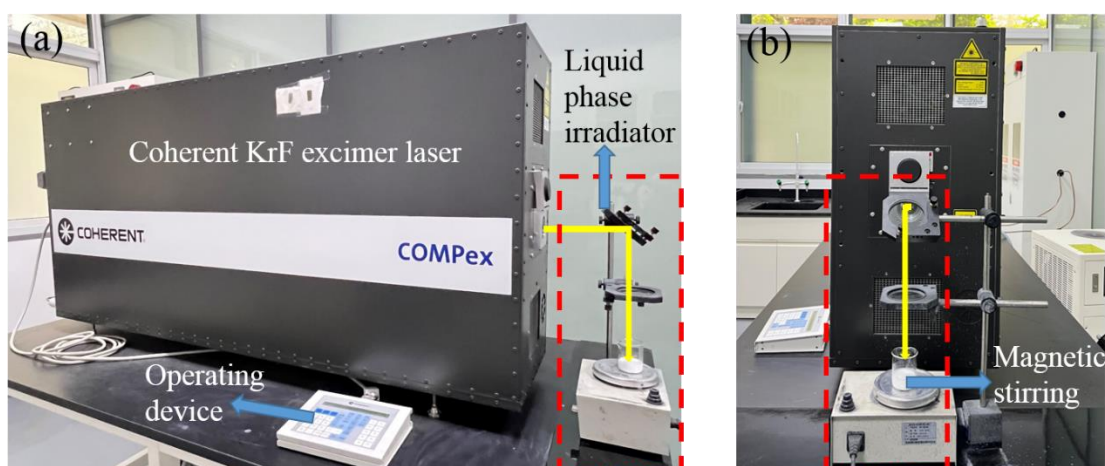


Figure S1. Pictures of Liquid phase laser irradiation equipment (a) side view, (b) front view.

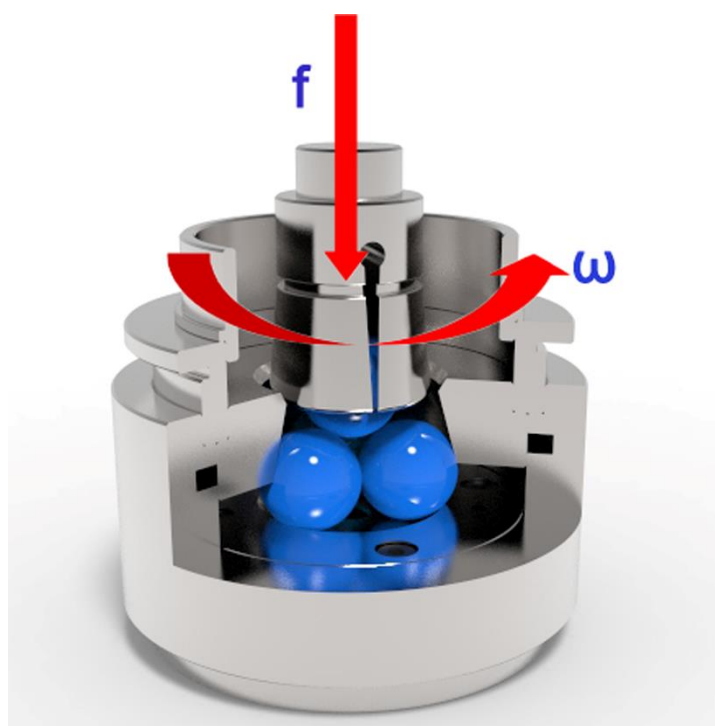


Figure S2. Diagram of four-ball friction and wear test model [S1].

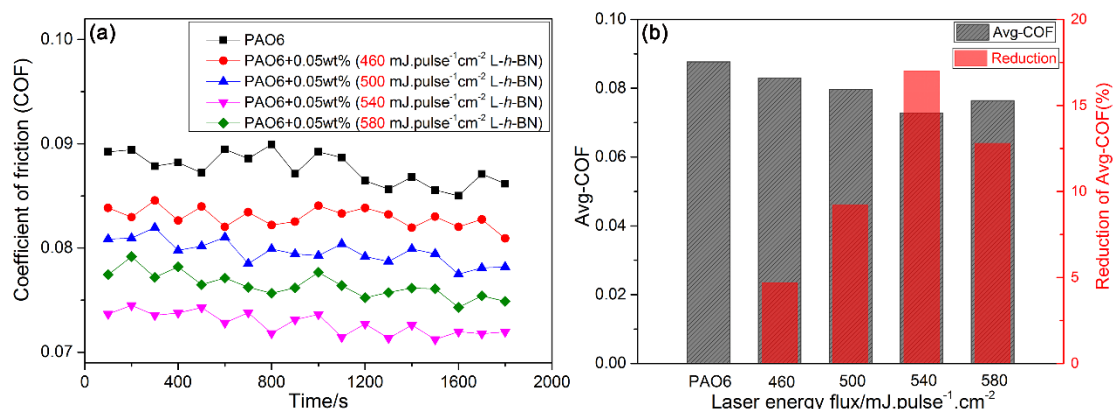


Figure S3. (a) COF curves of a base oil containing additives with different laser irradiation flux, (b) The corresponding average COF and the COF reduction compared with pure PAO6.

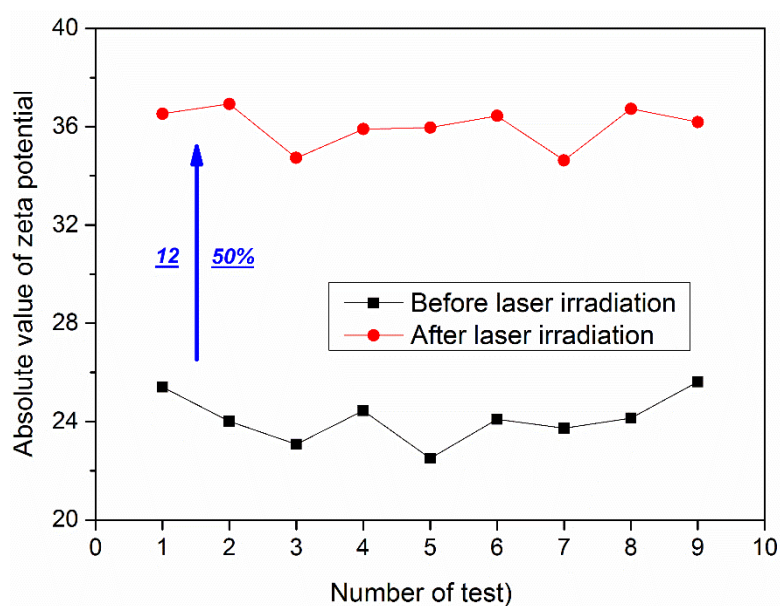


Figure S4. Absolute value of zeta potential before and after laser irradiation.

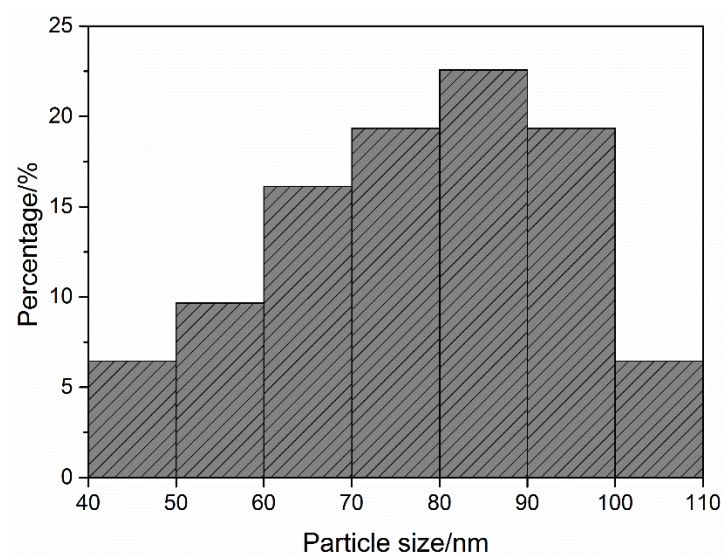


Figure S5. Particle size distribution of L-h-BN spherical nanoparticles.

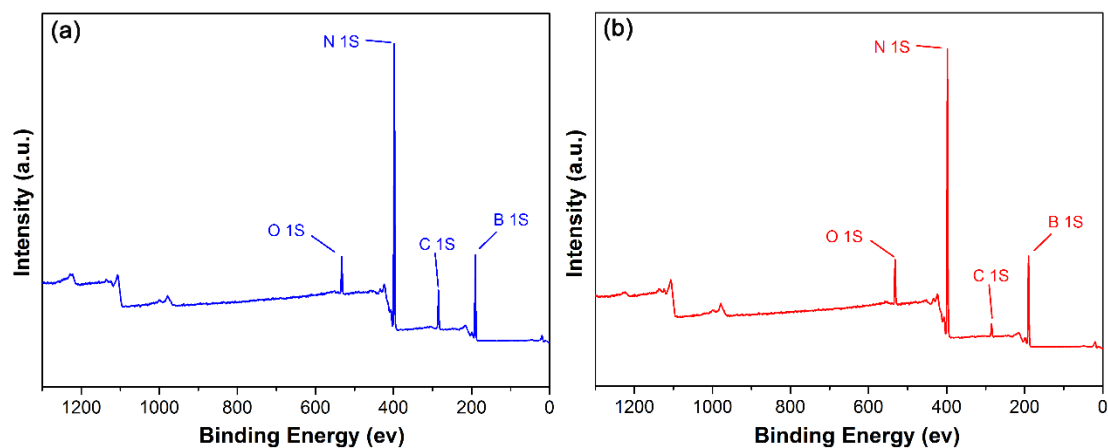


Figure S6. XPS survey spectra of (a) raw *h*-BN nanoflakes and (b) L-*h*-BN spherical nanoparticles .

Reference

- [S1] Li, W.; Luo, T.; Zhu, C. X.; Zhang, B.; Cao, B. Q. Graphene/h-BN Nanosheet/Nanosphere Composites Constructed by In Situ Laser Irradiation with Synergistically Improved Tribological Performance. *Ind. Eng. Chem. Res.* **2023**, *62*, 435-444.