Supporting Information

Preparation of Layered Carbon Nitride/Titanium based Metal Skeleton Materials and Study on Their Electrorheological Properties

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Fig.S1 SEM image of MOF/g-C₃N₄-0.6.



Fig.S2 XRD patterns of g- C_3N_4 before and after secondary hydrothermal treatment.









Fig. S3 XPS spectra of g-C₃N₄, MOF/g-C₃N₄-0.4, and MOF nanoparticles: (a) the overall analysis of the sample, (b) C 1s , (c) N 1s, (d) O 1s and (e) Ti 2prespectively.



Fig. S4 Shear stress curves and shear viscosity curves for MOF/g-C₃N₄-0.15(a, b), MOF/g-C₃N₄-0.2(c, d), MOF/g-C₃N₄-0.3(e, f)





Fig.S5 Curves of shear rate vs. shear stress for $MOF/g-C_3N_4-0.4(a)$, three repeating experiments for CSR(b) and CSS(c) model.



Fig. S6 real(a) and imaginary(b) dielectric permittivity spectra for the MOF/g-C₃N₄-based

ER fluid.



Fig. S7 The sedimentation rate of the MOF and MOF/g- C_3N_4 based electrorheological fluid.