

Supplementary materials for

Striking analogies and dissimilarities between graphene oxides and humic acids: pH-dependent charging and colloidal stability

by

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Contents: **Figure S1. and Figure S2.**

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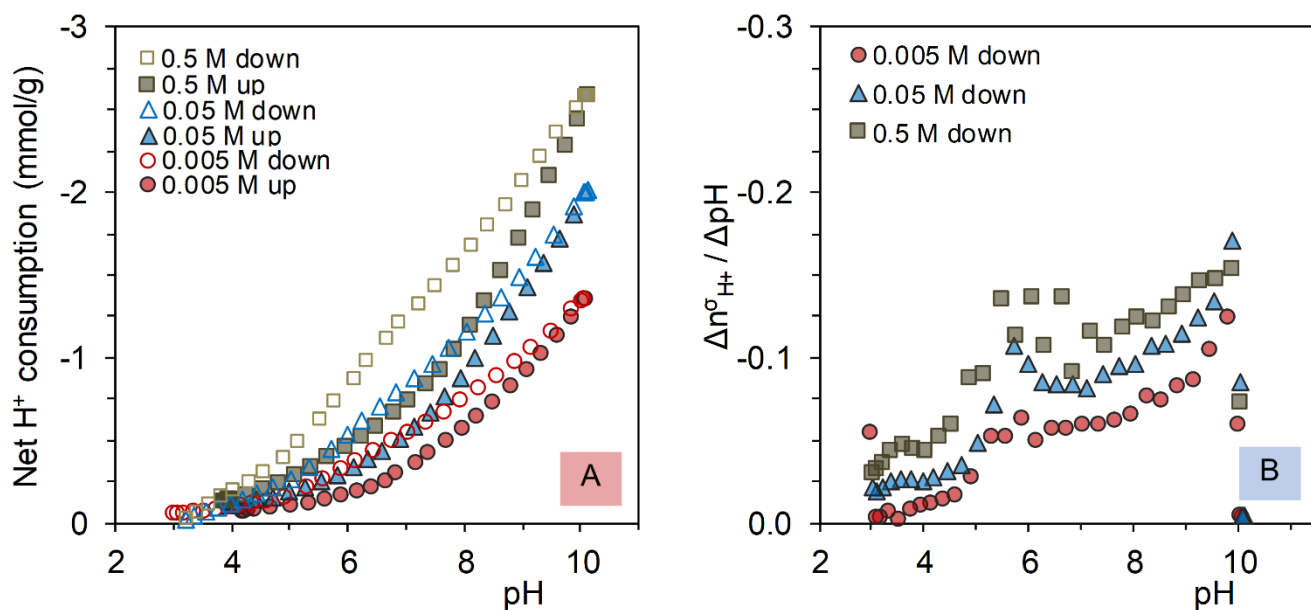


Figure S1. (A) pH-dependent dissociation of the acidic moieties of Brodie graphite oxide (GO) measured at different ionic strengths (in NaCl) in the direction of increasing (up) and decreasing (down) pH. The sign indicates proton release, i.e., the formation of negative charges. (B) Derivative net proton consumption vs. pH curves of Brodie graphite oxide in the direction of decreasing pH (down) at 5, 50 and 500 mmol/L salt concentrations.

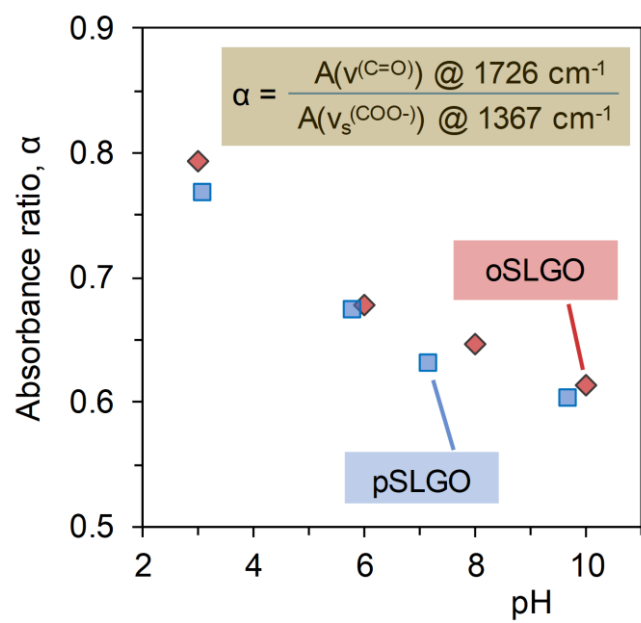


Figure S2. Absorbance ratios of oSLGO and pSLGO.