Electronic Supplementary Information (ESI)

Kinetic Evidence: Rate-determining Step for Ammonia Synthesis over Electride-supported Ru Catalysts is No Longer the Nitrogen Dissociation Step

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Fig. S1 Best fit results for reaction rates over Ru/C12A7:O²⁻ with respect to the rate equations derived with the RDS assumed to be (a) step 4, (b) step 5, (c) step 6, and (d) step 7.
Fig. S2 Best fit results for reaction rates over Ru/CaO-Al$_2$O$_3$ with respect to the rate equations derived with the RDS assumed to be (a) step 4, (b) step 5, (c) step 6, and (d) step 7.
Fig. S3 Best fit results for reaction rates over Ru/MgO with respect to the rate equations derived with the RDS assumed to be (a) step 4, (b) step 5, (c) step 6, and (d) step 7.
Fig. S4 Best fit results for reaction rates over Ru/CaNH with respect to the rate equations derived with the RDS assumed to be (a) step 4, (b) step 5, (c) step 6, and (d) step 7.