



Supporting Information

CuSO₄/[Cu(NH₃)₄]SO₄-Composite Thermochemical Energy Storage Materials

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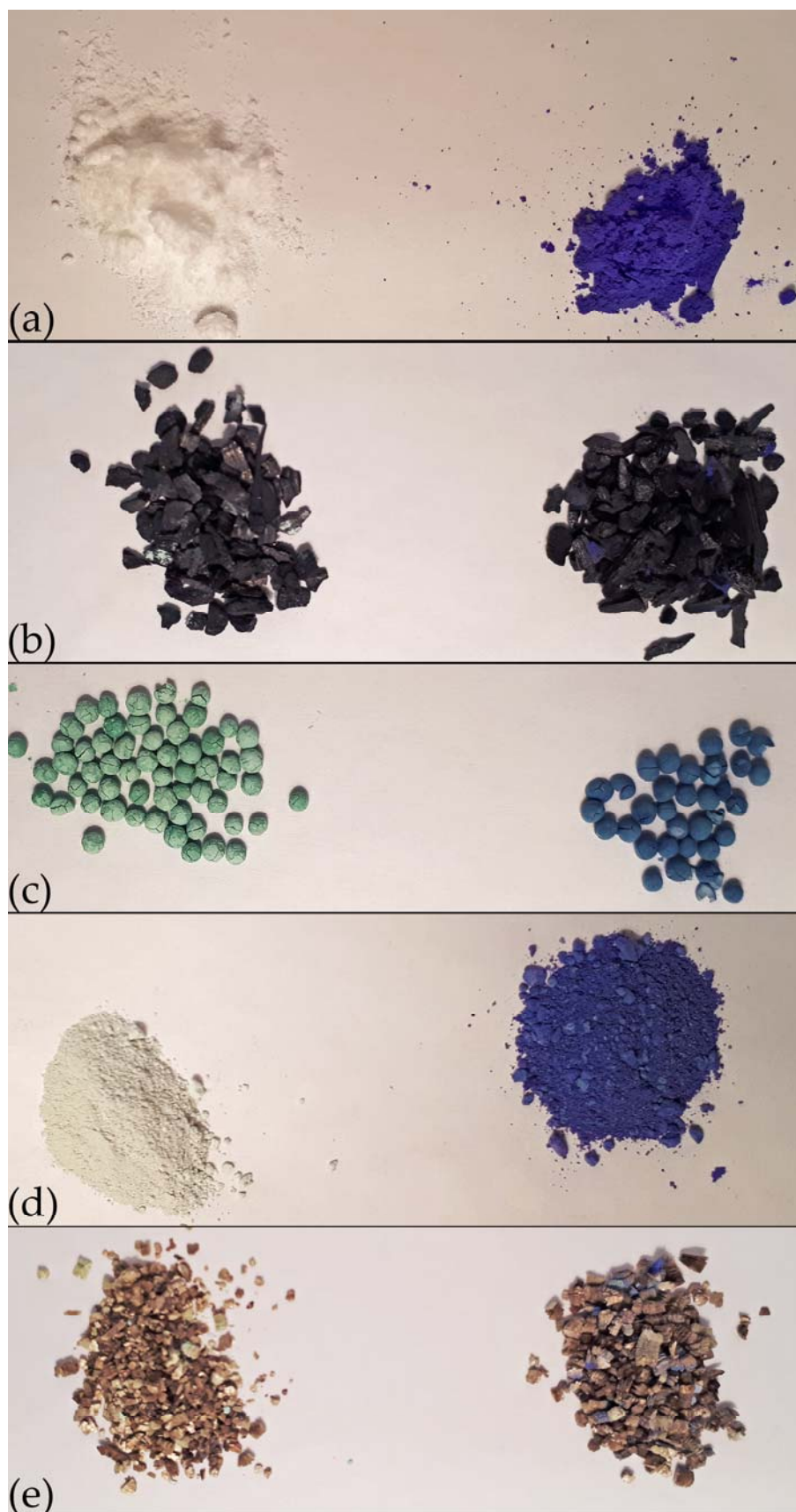


Figure S1. (a) CuSO_4 (left) and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ (right); (b) CuSO_4 on charcoal (left) and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ on charcoal (right); (c) CuNa -zeolite 13X (left) and CuNa -zeolite 13 after reaction with NH_3 (right); (d) CuSO_4 on sepiolite (left) and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ on sepioite (right); (e) CuSO_4 on vermiculite (left) and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ on vermiculite (right);.

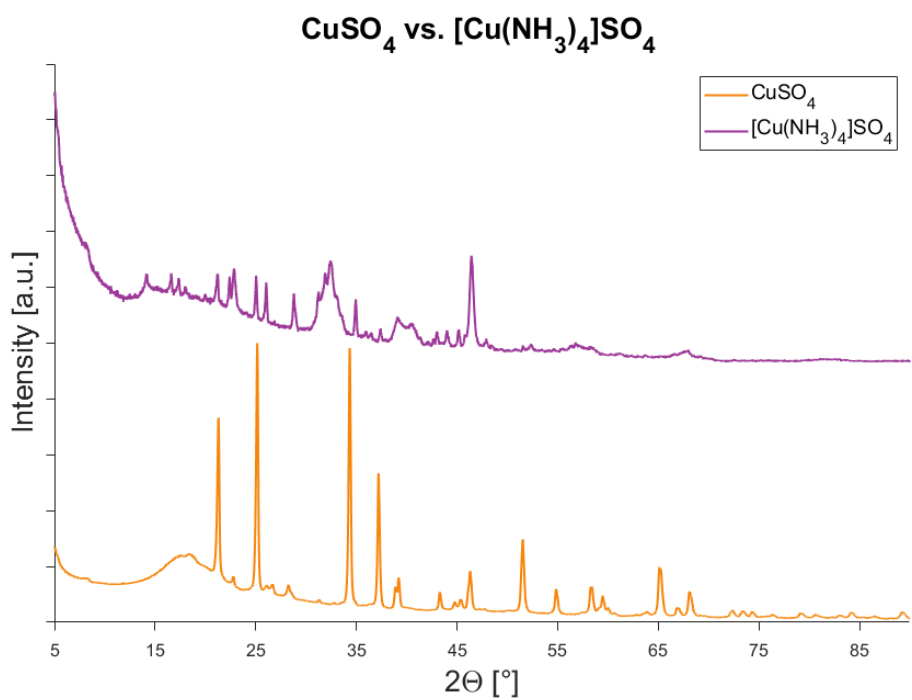


Figure S2. Comparison of the P-XRD pattern for CuSO₄ and [Cu(NH₃)₄]SO₄.

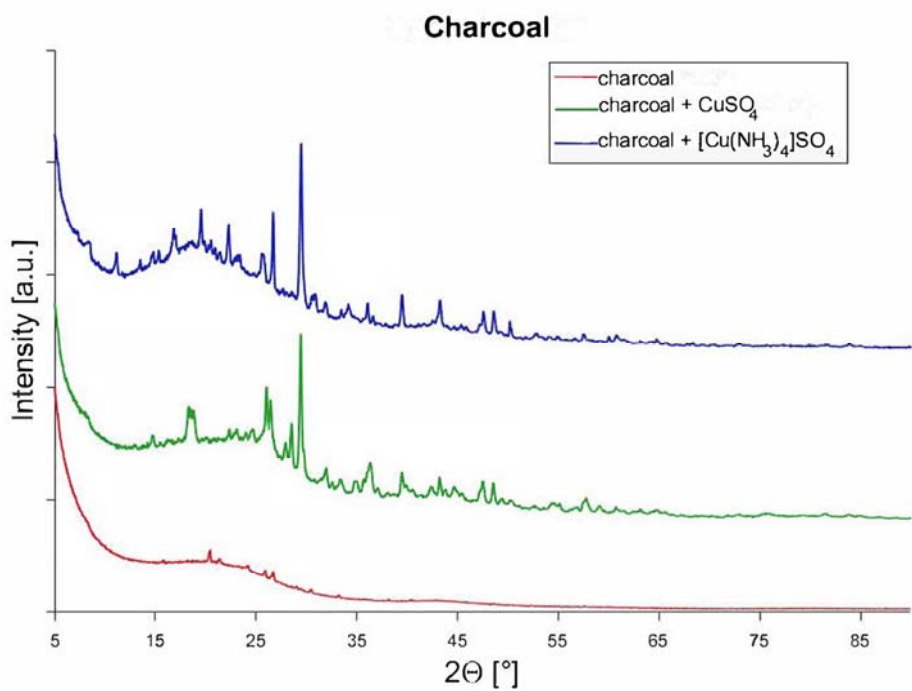


Figure S3. Comparison of the P-XRD pattern for charcoal, CuSO₄ on charcoal and [Cu(NH₃)₄]SO₄ on charcoal.

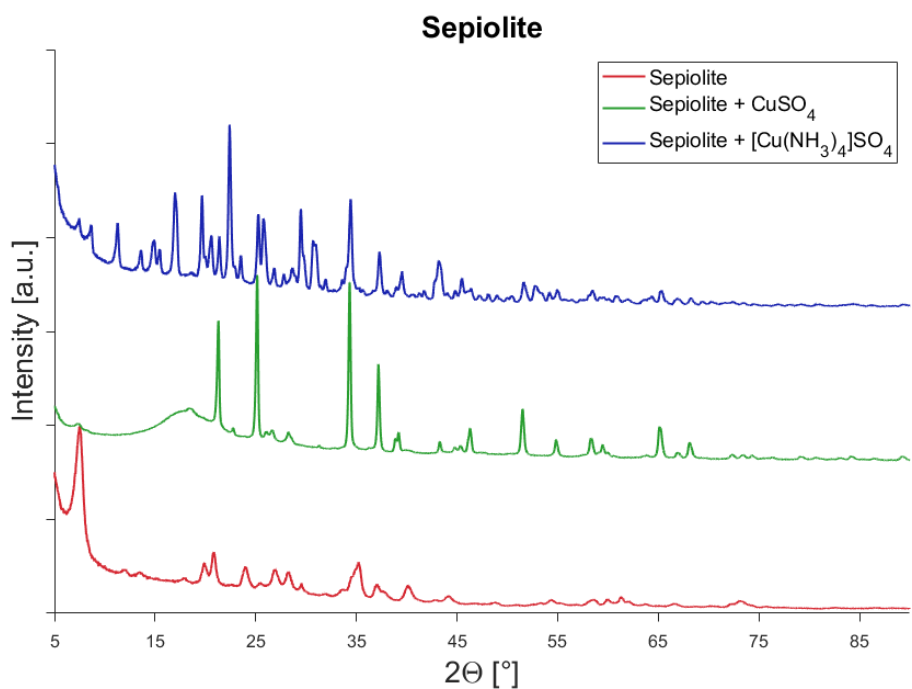


Figure S4. Comparison of the P-XRD pattern for sepiolite, CuSO_4 on sepiolite and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ on sepiolite.

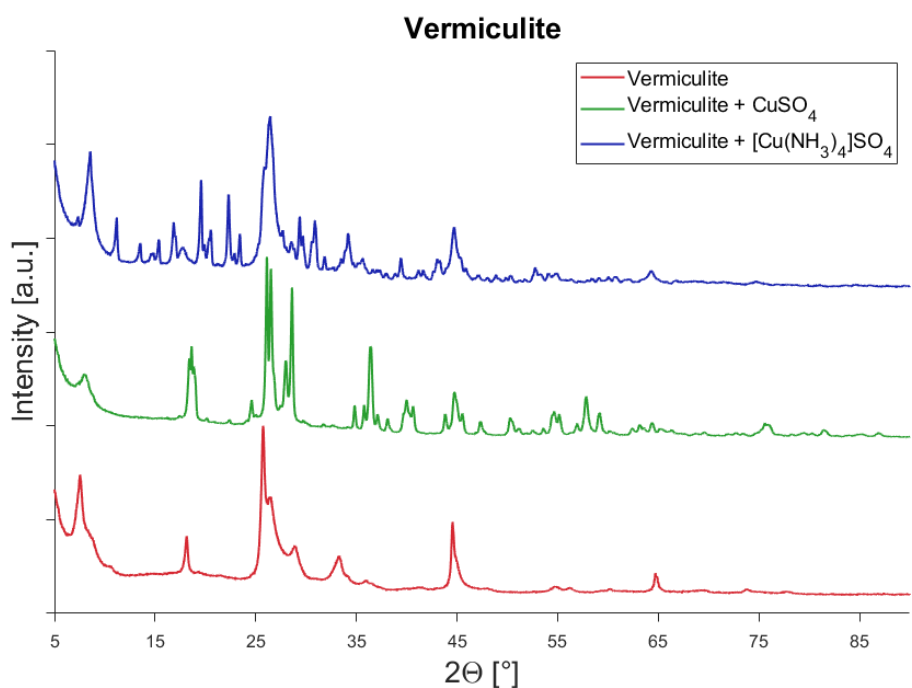


Figure S5. Comparison of the P-XRD pattern for vermiculite, CuSO_4 on vermiculite and $[\text{Cu}(\text{NH}_3)_4]\text{SO}_4$ on vermiculite.

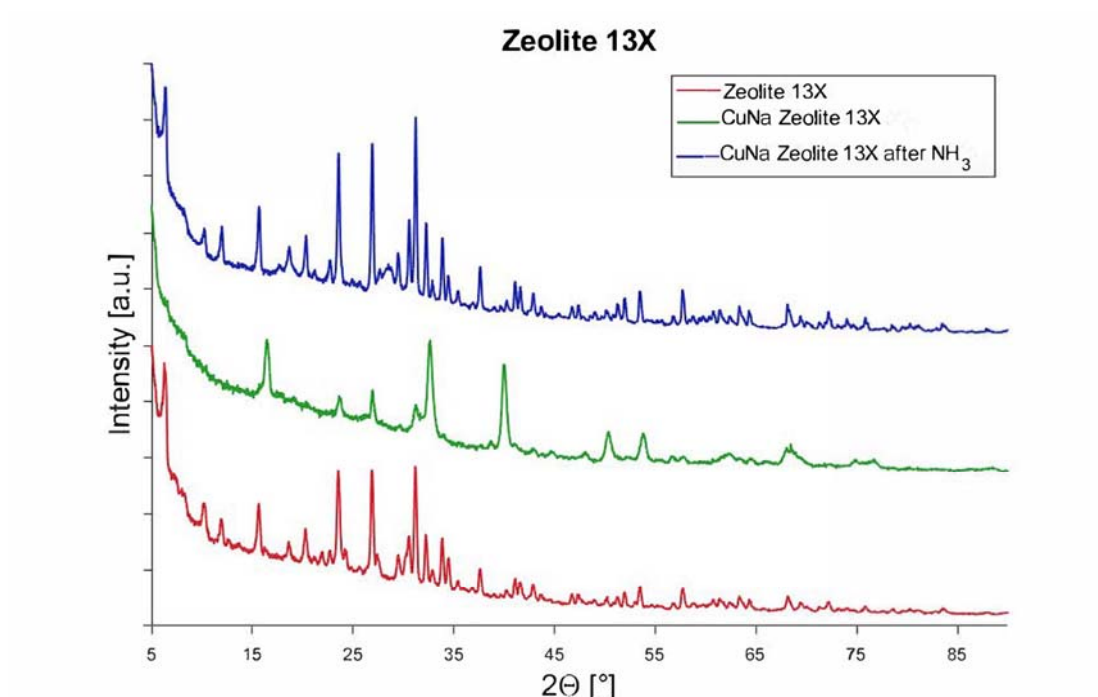


Figure S6. Comparison of the P-XRD pattern for zeolite 13X, CuNa zeolite 13X and CuNa-zeolite 13X after reaction with NH_3 .