List of movies

Supplementary Movie 1. Fresh Cu-ZSM-5, sample 1, 1.8% Cu isoconcentration surface shown with all Al (blue) and Cu (red) ions.

Supplementary Movie 2. Fresh Cu-ZSM-5, sample 2, 2.7% Cu isoconcentration surface shown with all Al (blue) and Cu (red) ions.

Supplementary Movie 3. Aged Cu-ZSM-5, sample 3, 5% Cu and 8% Al isoconcentration surfaces shown with all Al (blue) and Cu (red) ions.

Supplementary Movie 4. Fresh Cu-SSZ-13, Sample 4, all Cu ions.

Supplementary Movie 5. Fresh Cu-SSZ-13, Sample 4, all Cu clusters.

Supplementary Movie 6. Fresh Cu-SSZ-13, Sample 5, all Cu and Al ions.

Supplementary Movie 7. Fresh Cu-SSZ-13, Sample 5, all Cu clusters.

Supplementary Movie 8. Aged Cu-SSZ-13, sample 6, 1.4% Cu isoconcentration surface, shown with all Al ions (blue) and Cu ions (red).

Supplementary Movie 9. Aged Cu-SSZ-13, sample 6, Cu clusters.

Supplementary Movie 10. Aged Cu-SSZ-13, sample 7 1.3% Cu isoconcentration surface and 4% Al isoconcentration surface, shown with all Al ions (blue) and Cu ions (red).