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7. ADSORPTION OF METAL ATOMS AT CERIA SURFACES8. TUNING REACTIVITY: DOPING OF CERIA SURFACES; 9. PERSPECTIVE AND CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 7 - Applications of Electron Microscopy in Heterogeneous Catalysis; 1. INTRODUCTION; 2. BASICS OF TEM; 3. ATOMIC RESOLUTION CHARACTERIZATION USING TEM; 4. CASE STUDIES; 5. SUMMARY AND OUTLOOK; ACKNOWLEDGMENTS; REFERENCES; Chapter 8 - Catalysis by Atomically Precise Gold Nanoclusters; 1. INTRODUCTION; 2. SYNTHESIS OF ATOMICALLY PRECISE GOLD NANoclUSTERS; 3. ATOMIC STRUCTURES OF GOLD NANoclUSTERS

4. THERMAL STABILITY OF AUN(SR)M NANoclUSTERS
