

## Unique Mode(s) of Action of Ions on Calcium Oxalate Mineralization

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Ion-mineral surface interactions are ubiquitous. The behavior of these interactions are reflective of the environment where the minerals and ions exist. In this work, interactions of ions and how they modulate the mineralization of calcium oxalate shall be discussed. Combinations of bulk and interfacial techniques reveal an interesting interplay of changes in crystal or mineral surface feature due to unique mode(s) of action where surface termination may facilitate the effective growth behavior of the crystal. Insights from the studies may have implication in rational design and control of crystalline materials.

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