

Exploration of electronic properties under multiple extreme conditions in condensed conjugation molecular materials

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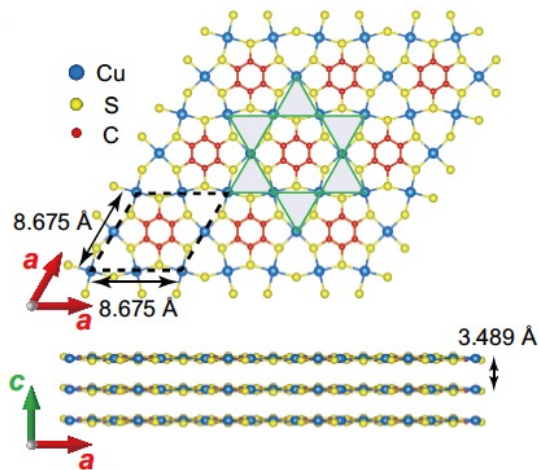
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Our Mission: Beyond condensed conjugation

Aims of A04-2

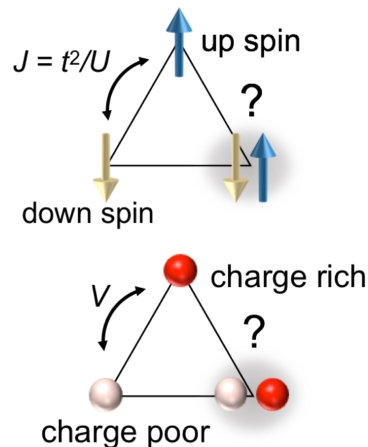
- Control of itinerancy and localization of condensed conjugation electrons
- Exploration and understanding of emergent electronic properties in nonlinear and nonequilibrium phenomena

Materials design strategy "Filling voids with electrons"



From localized electrons to itinerant electrons and superconductivity

Unexplored electronic functions realized by eliminating the destination



Nonlinear and nonequilibrium phenomena due to geometric frustration F. Sawano et al., Nature (2005).

