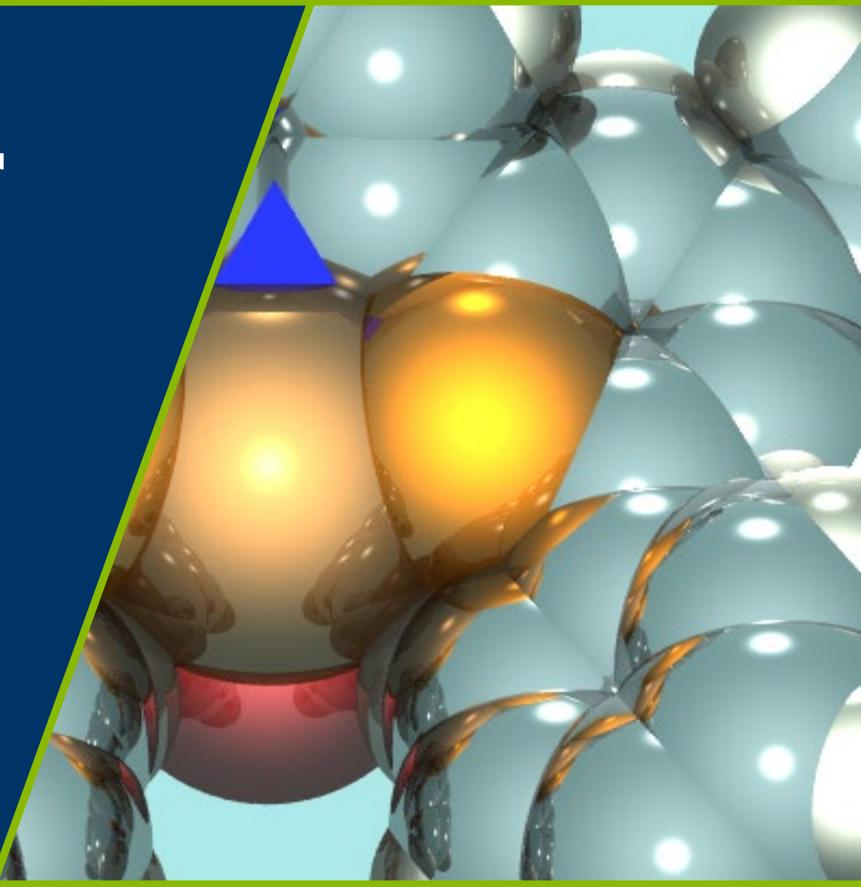


AK Prof. Dr. Christian Müller

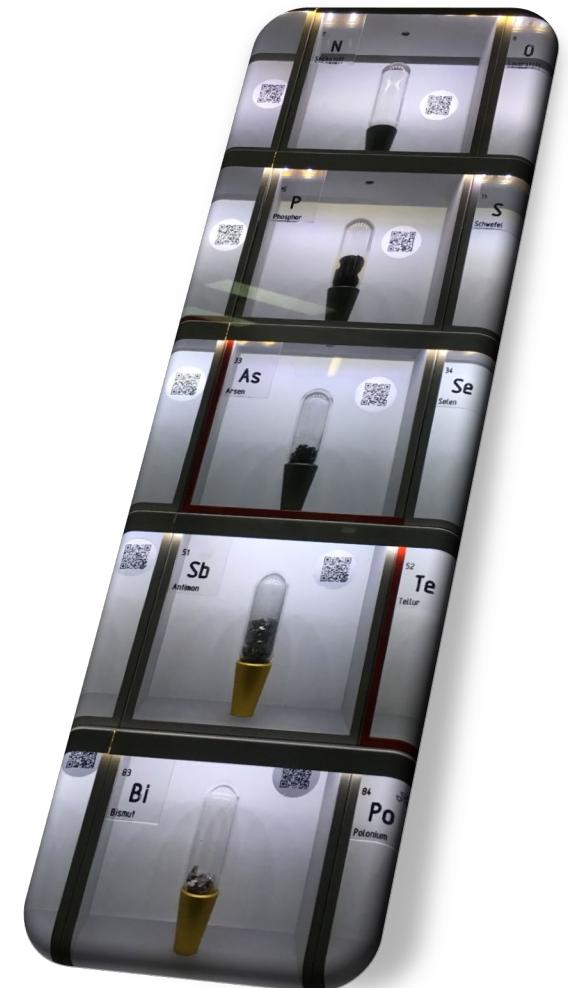
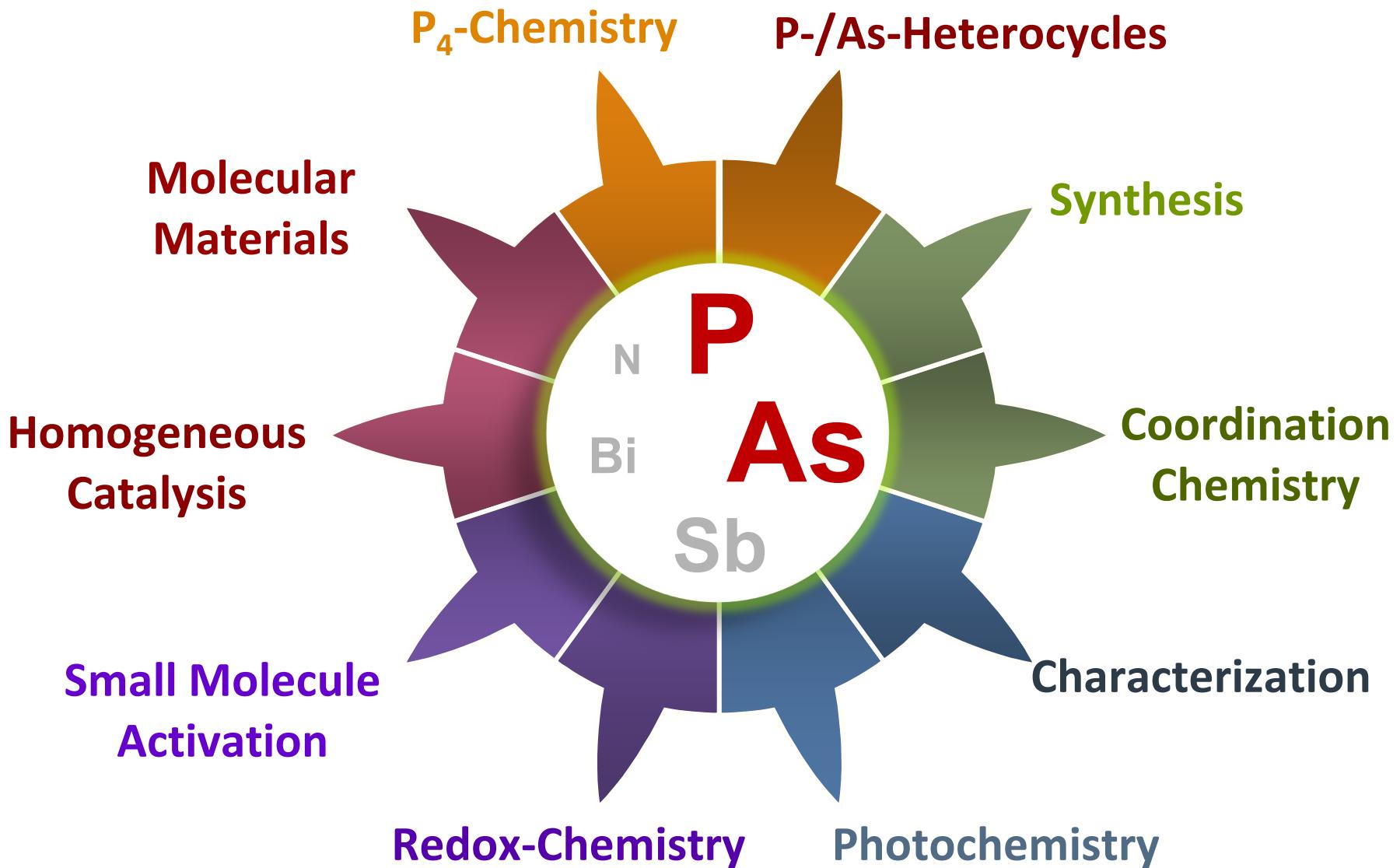
Molecular Inorganic Chemistry

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Institut für Chemie und Biochemie

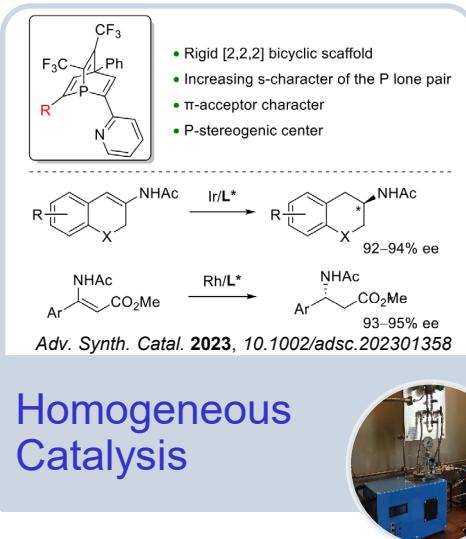
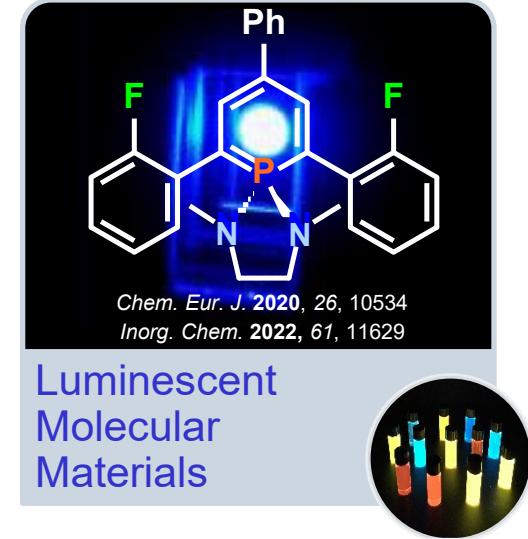
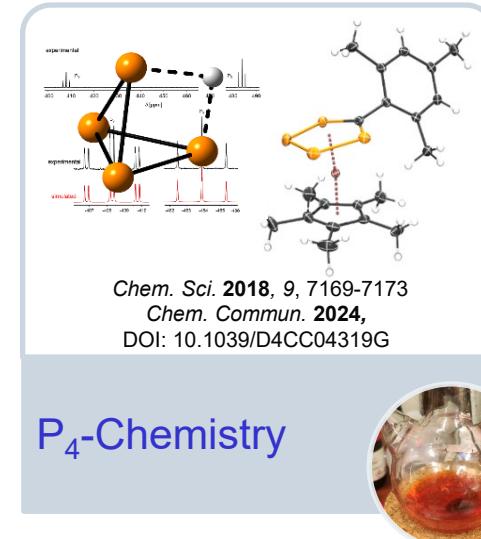
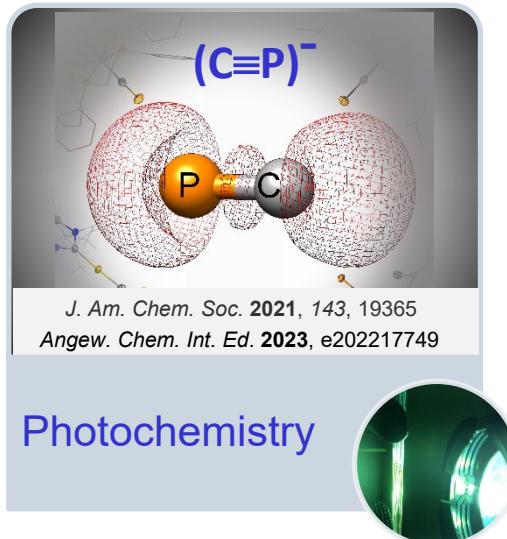
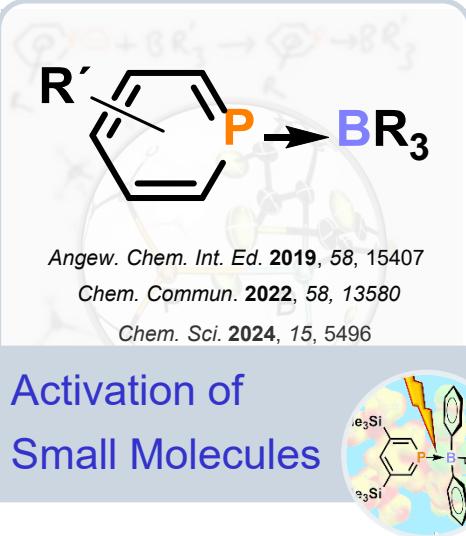
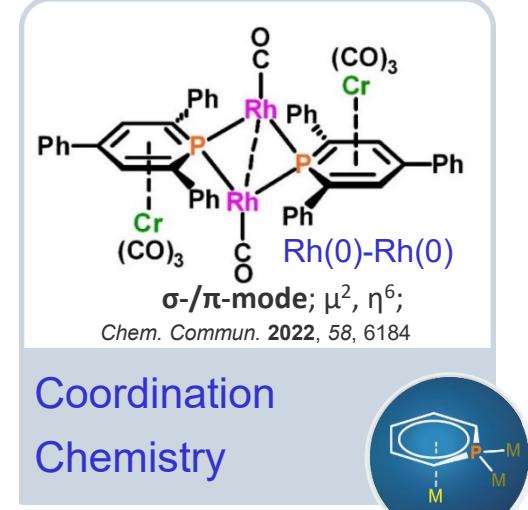
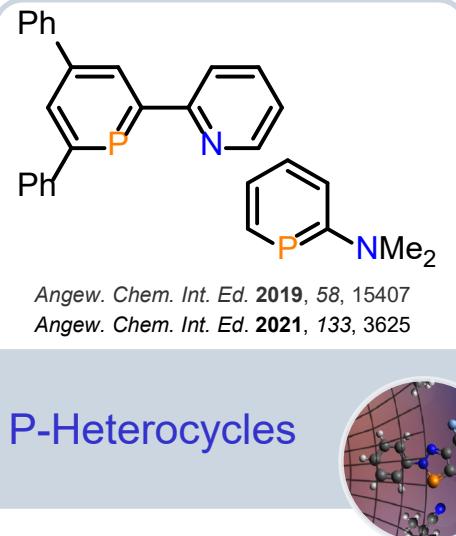
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Chemistry of Group-15-Elements: Fundamental Aspects and Applications



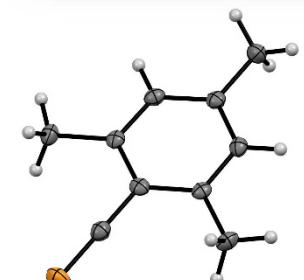
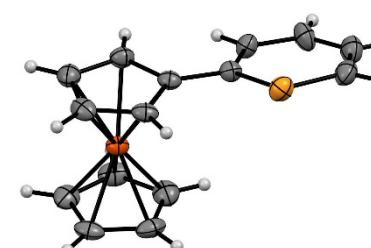
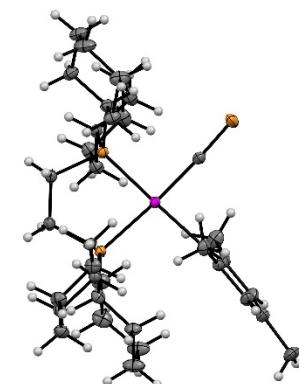
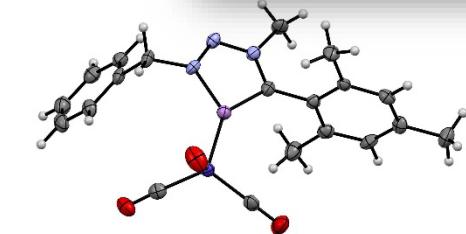
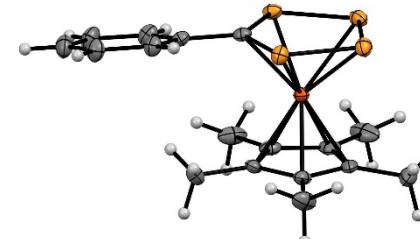
Molecular Inorganic Chemistry of Group-15-Elements: From Fundamental Aspects to Applications



Molecular Inorganic Chemistry of Group-15-Elements: From Fundamental Aspects to Applications

Topics we offer:

- New transformations of white phosphorus with pericyclic reactions
- The chemistry of the cyaphide and cyarside anion ($\text{C}\equiv\text{P}$) $^-$; ($\text{C}\equiv\text{As}$) $^-$
- Photochemistry
- Click-chemistry with phospha- and arsaalkynes: new P- and As-heterocycles
- New ligands for homogeneous catalysis, P-derivatives of bipy and terpy
- P- and As-heterocycles in optoelectronic devices
- Highly reduced P-based metal complexes for small molecule activation
- small molecule activation with aromatic phosphorus- and arsenic heterocycles



Molecular Inorganic Chemistry of Group-15-Elements: From Fundamental Aspects to Applications

What we request from you:

- being motivated and interested
- being creative
- being a team-player
- having practical skills for working under inert reaction conditions (Schlenk-lines)
- being fluent in English
- „full-time job“



Molecular Inorganic Chemistry of Group-15-Elements: From Fundamental Aspects to Applications

