

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Chemistry and Biochemistry - NOC:Advanced Transition Metal Organometallic Chemistry

Subject Co-ordinator - Prof. P. Ghosh

Co-ordinating Institute - IIT - Bombay

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Transition Metal Allyl and Enyl Complexes
Lecture 2 - Transition Metal Allyl and Enyl complexes
Lecture 3 - Transition Metal Allyl and Enyl complexes
Lecture 4 - Transition Metal Allyl and Enyl Complexes
Lecture 5 - Types of Transition Metal Sandwich Complexes
Lecture 6 - Transition Metal Cyclobutadiene Complexes
Lecture 7 - Transition Metal Cyclobutadiene Complexes
Lecture 8 - Transition Metal Cyclobutadiene Complexes
Lecture 9 - Transition Metal Cyclopentadiene Complexes
Lecture 10 - Transition Metal Cyclopentadiene Complexes
Lecture 11 - Transition Metal Cyclopentadiene Complexes
Lecture 12 - Transition Metal Cyclopentadiene Complexes
Lecture 13 - Transition Metal Cyclopentadiene Complexes
Lecture 14 - Transition Metal Cyclopentadiene Complexes
Lecture 15 - Transition Metal Cyclopentadienyl Carbonyl Complexes
Lecture 16 - Transition Metal Cyclopentadienyl Carbonyl Complexes
Lecture 17 - Transition Metal Cyclopentadienyl Nitrosyl Complexes
Lecture 18 - Transition Metal Cyclopentadienyl Hydride Complexes
Lecture 19 - Transition Metal Cyclopentadienyl Hydride and Halide Complexes
Lecture 20 - Transition Metal Cyclopentadienyl Halide Complexes
Lecture 21 - Transition Metal Cyclopentadienyl Halide and Transition Metal Arene Complexes
Lecture 22 - Transition Metal Arene Complexes
Lecture 23 - Transition Metal Arene Complexes
Lecture 24 - Transition Metal Arene Complexes
Lecture 25 - Transition Metal Arene Complexes
Lecture 26 - Transition Metal Arene Carbonyl Complexes
Lecture 27 - Transition Metal Arene Carbonyl Complexes
Lecture 28 - Transition Metal Arene Cyclopentadienyl Complexes
Lecture 29 - Transition Metal Arene Cyclopentadienyl and C₇H₇ Complexes

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- Lecture 30 - Transition Metal C₇H₇ Complexes
- Lecture 31 - Transition Metal C₇H₇ Complexes
- Lecture 32 - Transition Metal C₈H₈ and C₇H₇ Complexes
- Lecture 33 - Transition Metal C₈H₈ Complexes
- Lecture 34 - Transition Metal π -complexes of heterocycles
- Lecture 35 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 36 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 37 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 38 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 39 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 40 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 41 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 42 - C $\rightarrow$ C Cross Coupling Reactions
- Lecture 43 - Hydrocyanation Reactions
- Lecture 44 - C $\rightarrow$ heteroatom Coupling
- Lecture 45 - C $\rightarrow$ heteroatom Coupling
- Lecture 46 - C $\rightarrow$ Heteroatom Coupling
- Lecture 47 - C $\rightarrow$ Heteroatom Coupling
- Lecture 48 - C $\rightarrow$ Heteroatom Coupling
- Lecture 49 - Organometallic Catalysis Reactions
- Lecture 50 - Organometallic Catalysis Reactions
- Lecture 51 - Organometallic Catalysis Reactions
- Lecture 52 - Organometallic Catalysis Reactions
- Lecture 53 - Organometallic Catalysis Reactions
- Lecture 54 - Organometallic Catalysis Reactions
- Lecture 55 - Organometallic Catalysis Reactions
- Lecture 56 - Organometallic Catalysis Reactions
- Lecture 57 - Organometallic Catalysis Reactions
- Lecture 58 - Organometallic Catalysis Reactions
- Lecture 59 - Organometallic Catalysis Reactions
- Lecture 60 - Summary of Advanced Transition Metal Organometallic Chemistry