Mindluster Platform

About the course Electrochemical Characterizations in Chemical

Electrochemical Characterizations course in hindi, In this course we delve into the principles and techniques of electrochemical analysis and characterization.

Engineering Category's Courses

Course Lesson(26)

Lesson 1 : **Physical and Electrochemical Characterizations in Chemical Engineering Intro Video**

Lesson 2 : **Lec 1 Introduction of Characterization Techniques Part 1**

Lesson 3 : **Lec 2 Introduction to Characterization Techniques Part 2**

Lesson 4 : **Lec 3 Infrared Spectroscopy Fundamentals**

Lesson 5 : **Lec 4 Infrared Spectroscopy IR Bands and Applications**

Lesson 6 : **Lec 5 Infrared Spectrophotometer Instrumentation**

Lesson 7 : **Lec 6 Raman Spectroscopy**

Lesson 8 : **Lec 7 NMR Concepts and Fundamentalsâ€‹**

Lesson 9 : **Lec 8 Chemical Shifts**

Lesson 10 : **Lec 9 Factors Affecting Chemical Shift and 2D NMRâ€‹**

Lesson 11 : **Lec 10 Physisorption Surface Area and Pore Analysis**

Lesson 12 : **Lec 11 Physisorption Measurements**

Lesson 13 : **Lec 12 Chemisorption**

Lesson 14 : **Lec 13 Surface Tension and its Measurement Part 1**

Lesson 15 : **Lec 14 Surface Tension and its Measurement Part 2**

Lesson 16 : **Lec 15 Interfacial Tension and its Application**

Lesson 17 : **Lec 16 Interfacial Tension and Influence of Surface Curvatureâ€‹**

Lesson 18 : **Lec 17 Rheology Fundamentals and Principlesâ€‹**

Lesson 19 : **Lec 18 Complex Fluids and their Propertiesâ€‹**

Lesson 20 : **Lec 19 Rheology Case Study on Hydrogel Synthesis**

Lesson 21 : **Lec 20 Electron Spectroscopy for Surface Analysisâ€‹**

Lesson 22 : **Lec 21 Quantification in XRF and XPS Spectroscopyâ€‹**

Lesson 23 : **Lec 22 XPS Instrument and Applicationâ€‹**

Lesson 24 : **Lec 23 Introduction to Electrochemical Characterization Techniquesâ€‹**

Lesson 25 : **Lec 24 Electrode Potential Kinetics and Mass Transfer Resistanceâ€‹**

Lesson 26 : **Lec 25 Voltammetry and Galvanostatic Charge Dischargeâ€‹**

Related courses

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