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Please rank the top 2 experiments in each category



Introduction to Vibrational Spectroscopy

_____ Complementary Spectroscopies: Mid-IR and Raman of Alcohols

_____ Computational & Experimental Investigation of the Vibrational Spectra of CCl_4 , CHCl_3 , CDCl_3 , CH_2Cl_2 and Ties to Symmetry

_____ Computational & Experimental Investigation of Vibrationally Excited CCl_4 with Transitions from $\nu > 1$ States

_____ Headspace and Liquid Raman Spectroscopy of Carbon Dioxide in Soda Water

_____ Raman and Mid-IR Study of Metal Complexes and Applications to Coordination Symmetry

Applications to Characterization & Analysis

- _____ Raman Spectroscopy of Organic Functional Groups for Characterization
- _____ Raman Spectroscopy of NMA and Polypeptides in Aqueous Solution
- _____ Raman Spectroscopy of Polyenes and Carotenoid
- _____ Raman Spectroscopy of Graphene and Graphite and Ties to Thermal Conductivity
- _____ Raman Scanning and Gel Electrophoresis of Proteins
- _____ Raman Spectroscopy as a Tool for Analyzing the Concentration of Aqueous Oxalate Concentrations and Comparison to Titrimetric Methods



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Analytical Studies of Real-World Problems

- _____ Raman Spectroscopy: Depth profiling of Topical Sunscreen when applied to a Gel Surface
- _____ Raman Spectroscopy of Porphyrins with Extensions into Hemoglobin and Chlorophyll
- _____ Identification of the Origin of Gemstones via Raman Spectroscopy
- _____ Water-Insensitive Analysis of Gas Uptake in Metal-Organic Frameworks
- _____ Raman Spectroscopy of Graphene and Graphite and Ties to Thermal Conductivity

If you have any questions,
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