



Advances in Single Molecule Spectroscopy

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Message from the Guest Editor

Dear Colleagues,

Since the first reports of single-molecule spectroscopy in the mid 1980s, single-molecule techniques have greatly expanded to include the study of photophysics and photochemistry of individual molecules, biomolecules, living cells, and nanomaterials. The powerful application of absorption, fluorescence, and Raman spectroscopy to individual chromophores, be they molecules, proteins, or nanoparticles, has provided tremendous insight into the structure and dynamics of heterogeneous systems. Applications of single-chromophore spectroscopy include imaging and microfluidics as well as studies of energy and charge transfer.

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Guest Editor





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Message from the Editor-in-Chief

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