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Graphical Abstracts/Chin Chem Lett 26 (2015) iii-viii

Special column "2D correlation spectroscopy": Review

Recent developments in two-dimensional (2D) correlation spectroscopy

Chinese Chemical Letters 26 (2015) 167

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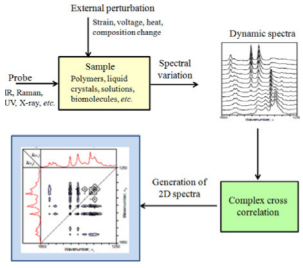
Recent noteworthy developments in the field of two-dimensional (2D) correlation spectroscopy are reviewed.



Special column "2D correlation spectroscopy": Original articles

pH-induced structural changes of surface immobilized poly (L-lysine) by two-dimensional (2D) infrared correlation study

Chinese Chemical Letters 26 (2015) 173

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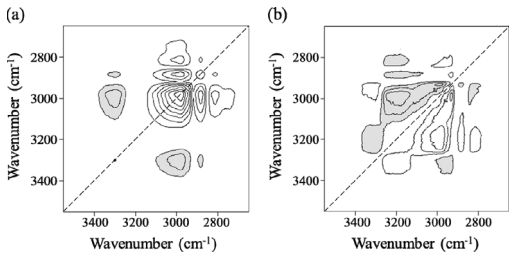
pH-induced structural changes have been examined by 2D correlation analysis. The decrease of protonation induced the spectral changes of alkyl group.



Two-dimensional correlation spectroscopic studies on coordination between carbonyl group of butanone and metal ions

Chinese Chemical Letters 26 (2015) 177

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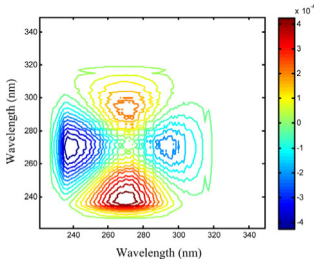
Metal ions show considerable ability to coordinate with the carbonyl group of butanone and bring about spectral variation of the n-π^* transition band, which is manifested by cross peaks in 2D asynchronous spectra.



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