

## CdS 纳米棒的制备、表征及其形成机理

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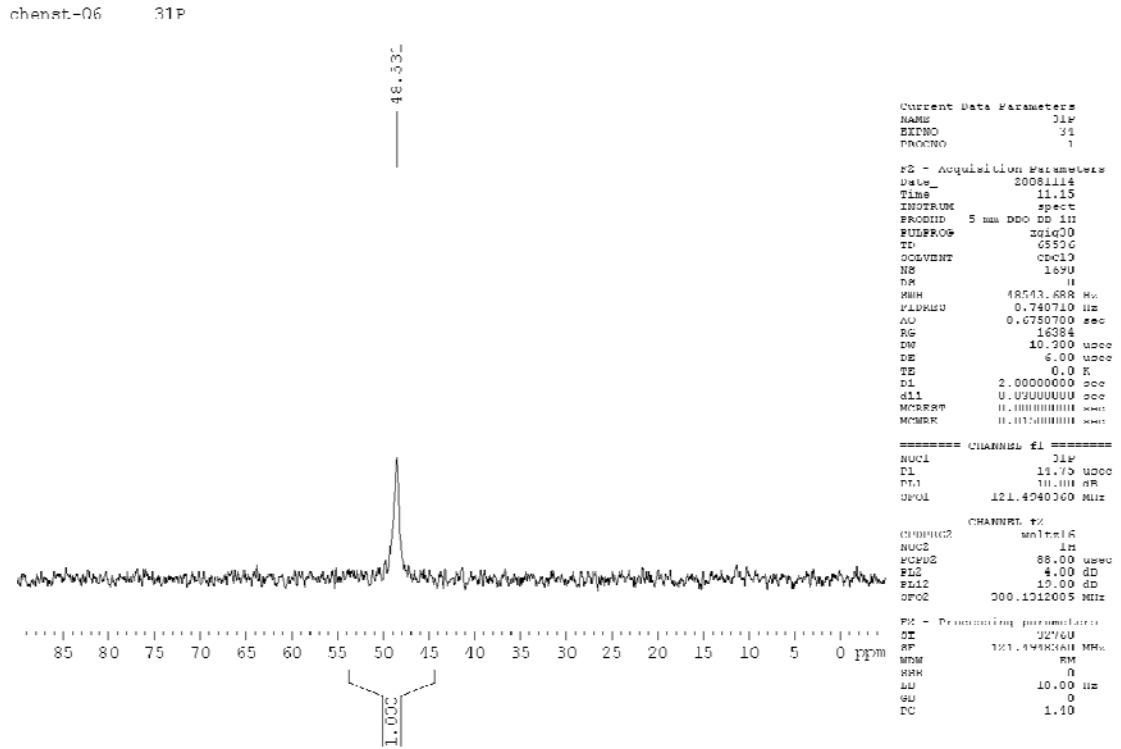
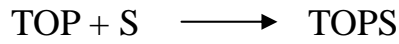
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## Synthesis, Characterization and Formation Mechanism of CdS Nanorods

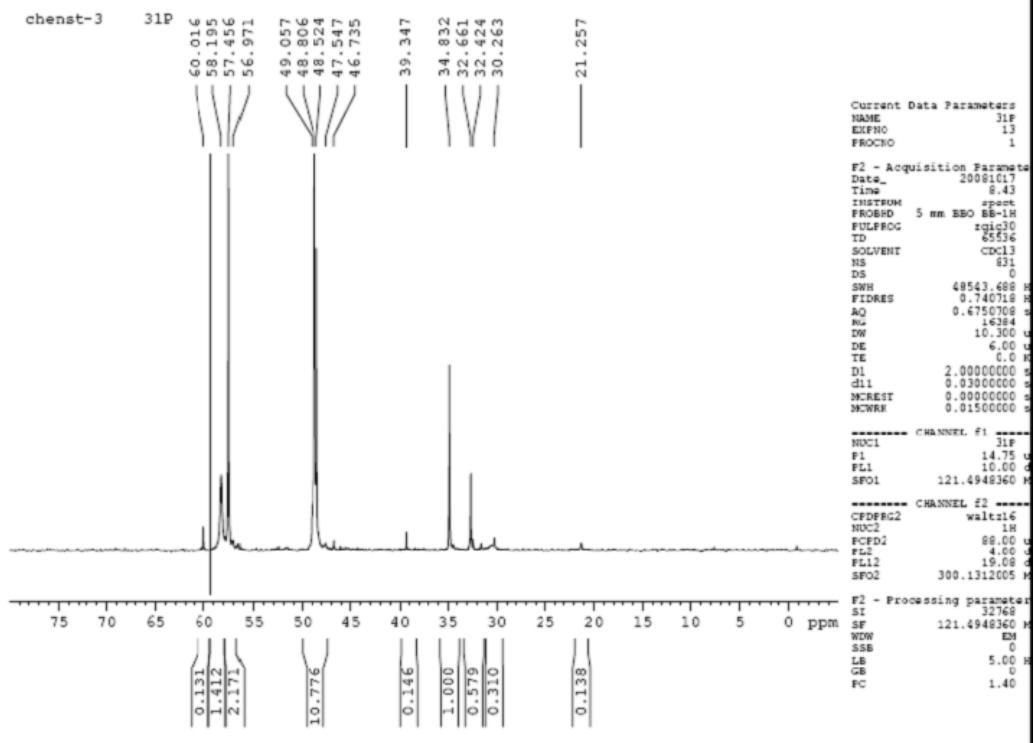
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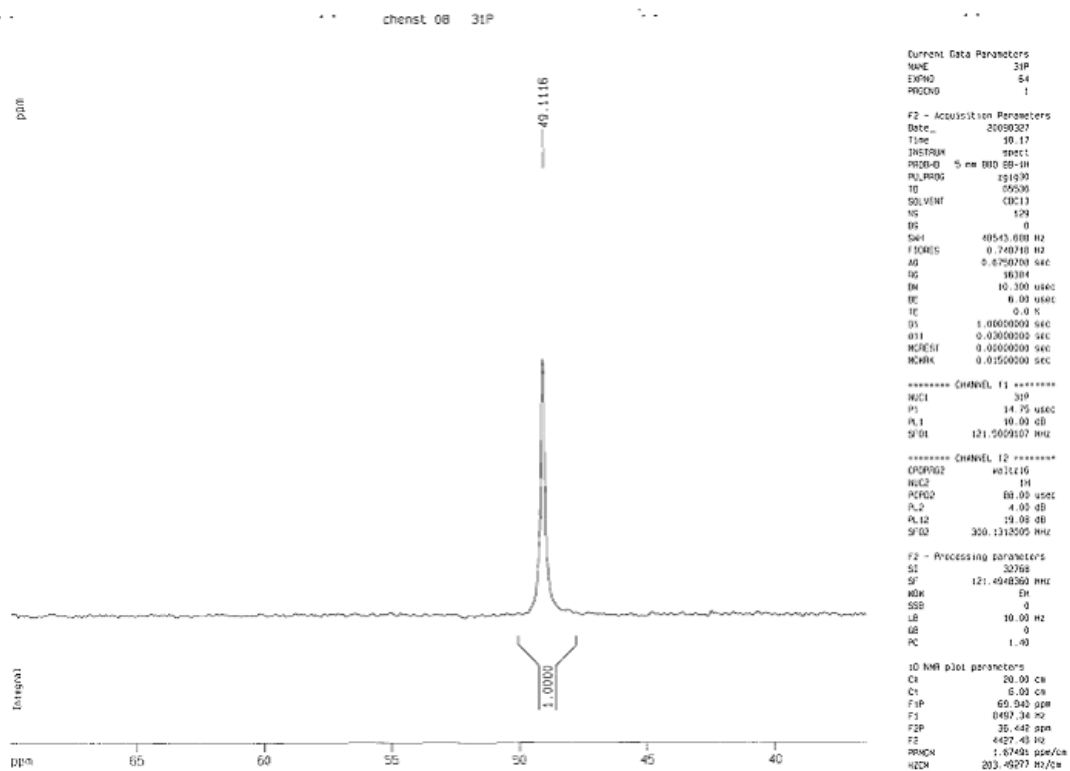
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附图 1 三辛基硫化磷的  $^{31}\text{P}$  核磁共振谱图  
 Fig.S1  $^{31}\text{P}$  NMR spectrum of trioctylphosphine sulfide (TOPS)



附图 2 三辛基硫化磷在 260 °C 下加入到镉的前驱体，反应 4 h 后取样的  $^{31}\text{P}$  核磁共振谱图  
 Fig.S2  $^{31}\text{P}$  NMR spectrum of TOPS after being added to the cadmium source at 260 °C and reacting for 4 h



附图 3 三辛基氧化磷的  $^{31}\text{P}$  核磁共振谱图  
Fig.S1  $^{31}\text{P}$  NMR spectrum of triethylphosphine oxide (TEPO)