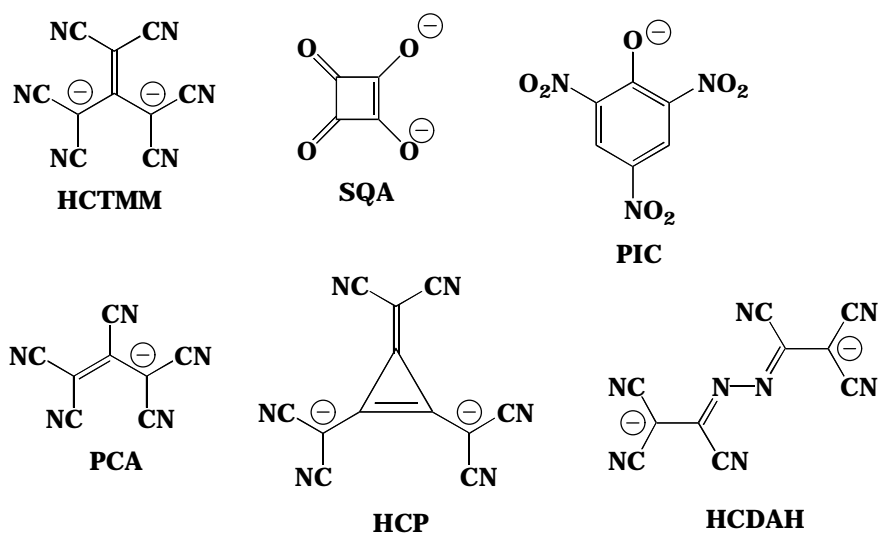


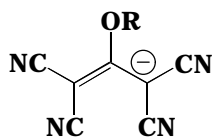
(BD)<sub>2</sub>ReO<sub>4</sub>(H<sub>2</sub>O) バンド計算の結果  
 (左)室温 (右)170 Kでの構造に基づく バンド分散(上)とFermi面(下)

§ 主表中での化合物略号説明

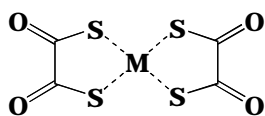
(主表)中で用いた、化合物の略号と化学構造式の対応は以下の通りである。

有機陰イオン

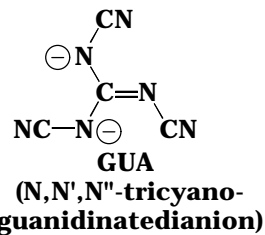




EtO-TCA: R =  $-\text{CH}_2\text{CH}_3$   
 PrO-TCA: R =  $-\text{CH}_2\text{CH}_2\text{CH}_3$   
 BuO-TCA: R =  $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

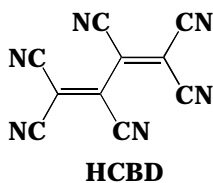


M(dto)<sub>2</sub>  
 M = Ni, Pd, Pt, Cu

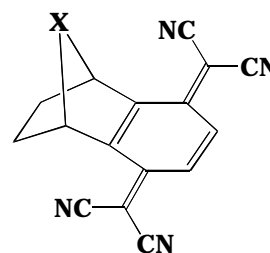


icosanoic acid (arachinic acid):  $\text{CH}_3(\text{CH}_2)_{18}\text{COOH}$   
 behenic acid:  $\text{CH}_3(\text{CH}_2)_{19}\text{COOH}$

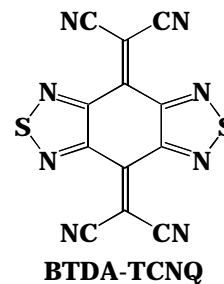
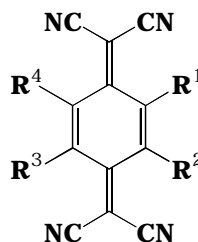
有機アクセプター分子



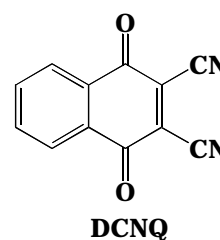
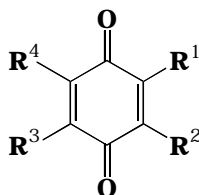
DHBTQ: X = CH=CH  
 THBTQ: X = CH<sub>2</sub>-CH<sub>2</sub>



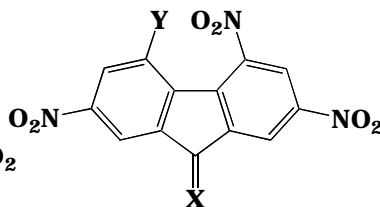
F<sub>4</sub>TCNQ: R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = R<sup>4</sup> = F  
 CF<sub>3</sub>TCNQ: R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = H, R<sup>4</sup> = CF<sub>3</sub>  
 F<sub>2</sub>TCNQ: R<sup>1</sup> = R<sup>3</sup> = F, R<sup>2</sup> = R<sup>4</sup> = H  
 Me<sub>2</sub>TCNQ: R<sup>1</sup> = R<sup>3</sup> = CH<sub>3</sub>, R<sup>2</sup> = R<sup>4</sup> = H  
 (MeO)<sub>2</sub>TCNQ: R<sup>1</sup> = R<sup>3</sup> = OCH<sub>3</sub>, R<sup>2</sup> = R<sup>4</sup> = H  
 C<sub>n</sub>TCNQ: R<sup>1</sup> = H-(CH<sub>2</sub>)<sub>n</sub>, R<sup>2</sup> = R<sup>3</sup> = R<sup>4</sup> = H



DDQ: R<sup>1</sup> = R<sup>2</sup> = Cl, R<sup>3</sup> = R<sup>4</sup> = CN  
 DBDQ: R<sup>1</sup> = R<sup>2</sup> = Br, R<sup>3</sup> = R<sup>4</sup> = CN  
 QF<sub>4</sub>: R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = R<sup>4</sup> = F  
 QCl<sub>4</sub>: R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = R<sup>4</sup> = Cl  
 QBr<sub>4</sub>: R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = R<sup>4</sup> = Br  
 QCl<sub>2</sub>(OH)<sub>2</sub>: R<sup>1</sup> = R<sup>3</sup> = Cl, R<sup>2</sup> = R<sup>4</sup> = OH  
 Q(OH)<sub>2</sub>: R<sup>1</sup> = R<sup>3</sup> = H, R<sup>2</sup> = R<sup>4</sup> = OH



TNF: X = O, Y = H  
 TENF: X = O, Y = NO<sub>2</sub>  
 DTNF: X = C(CN)<sub>2</sub>, Y = H  
 DTENF: X = C(CN)<sub>2</sub>, Y = NO<sub>2</sub>



TNBP: X = OH, Y = NO<sub>2</sub>  
 DNBP: X = NO<sub>2</sub>, Y = H

