Table 1. Energy Band Calculations of Organic Consuctors

Compounds	Calculation		Ref.
(TTF)(TCNQ)	Geometry dependence	1	
	semimetallic		2
$(TMTSF)_2X$	Transfers for various anions		3
	open	(Fig. 1)	4,5
β-phase			
β-$(ET)_2I_3$	close	(Fig. 2)	6,7
	open+semimetal (Xa)		8
$(ET)_2SF_5CH_2CF_2SO_3$	open + close		49
$(ET)_2BrO_4$	κ-like		9
$(ET)_2ReO_4$	κ-like		9
$(ET)_4Cu(C_2O_4)_2$	Semimetal		10
$(ET)_5Hg_3Br_{11}$	Transfers		11
$(ET)_3Li_{0.5}Hg(SCN)_4(H_2O)_2$	β-like		12
β'-phase			
$(ET)_2AuCl_2$	open	(Fig. 3)	13
$(ET)_2ICl_2$	open		14
(ET)(TCNQ)	close(ET)+open(TCNQ)	(Fig. 4)	15
BETS salts			
λ-$(BETS)_2GaCl_4$	κ-like		16
λ-$(BETS)_2FeCl_4$	κ-like		16
β"-phase			
$(ET)_2Cl$(DIA)	close		17
DIA: diiodoacetylene			
β"-$(ET)_2AuBr_2$	open+close	(Fig. 5)	18
$(ET)_2(ClO_4)(TCE)_{0.5}$	semimetal		19
$(ET)_2Pd(CN)_4$	semimetal		20
$(ET)_2Pt(CN)_4$	semimetal		21
$(ET)_2Pd(CN)_4(H_2O)$	semimetal	(Fig. 6)	20
$(ET)_2Pt(CN)_4(H_2O)$	semimetal		21
$(ET)_3Cl_2(H_2O)_2$	semimetal	(Fig. 7)	22
β"-phase BO salts			
$(BO)_2Br(H_2O)_3$	close		23

$(BO)_{2.4}I_3$	close		39
$(BO)_{10}(CF)_4(H_2O)_3$	close	(Fig. 8)	39
$(BO)_3Cu_2(NCS)_3$	close		39
$(BO)_2AuBr_2$	close		39
$(BO)_2ClO_4$	close + open		39
$(BO)_2ReO_4H_2O$	semimetal	(Fig. 9)	39,41
$(BO)_5(HCTMM)(PhCN)_2$	close		39
$(BO)_4(SQR)(H_2O)_6$	semimetal		39
θ-Phase			
$(ET)_2Cu_2(CN)[N(CN)_2]_2$	close		24
$(ET)Cd_{0.66}(SCN)_2$	close		25
$(ET)_2TlZn(SCN)_4$	close		26
$(ET)_2TlCo(SCN)_4$	close		26
$(ET)_2RbZn(SCN)_4$	close		25
$(ET)_2RbCo(SCN)_4$	close		25
$(ET)_2CsZn(SCN)_4$	close	(Fig. 10)	27
$(ET)_2CsCo(SCN)_4$	close		27
θ-$(ET)_2I_3$	close		28
$(BO)_2Cl(H_2O)_x$	close		29
α-$(ET)_2I_3$	semimetal		6,30
$(ET)_2KHg(SCN)_4$	close + open	(Fig. 11)	31
$(ET)_2NH_4Hg(SCN)_4$	close + open		32
$(ET)_2RbHg(SCN)_4$	close + open		33
$(ET)_2KHg(SeCN)_4$	close + open		34
$(ET)_2TlHg(SeCN)_4$	close + open		34
$(BETS)_2Cu_2Cl_6$	close + open		35
α-$(ET)_4Ni(CN)_4$	close + open		36
α"-Phase			
$(ET)_2KCu(SCN)_4$	open		37
$(ET)_2Cu_5I_6$	open		38
$(ET)_2CsHg(SCN)_4$	open	(Fig. 12)	12
$(ET)_2K_{1.4}Co(SCN)_4$	open		25
$(BO)_5(HCP)(PhCN)_{0.2}$[a]	open		39
$(BO)_6(HCDAH)$[b]	open		40
κ-Phase			

κ-$(ET)_2Cu(CN)_3$	κ-type		42,46,50
κ-$(ET)_2Cu(NCS)_2$	κ-type	(Fig. 13)	43,44
$(ET)_2Cu(CF_3)_4(TCE)$	κ-type		45
κ-$(ET)_2Cu[N(CN)_2]Br$	κ-type		46
κ-$(ET)_2I_3$	κ-type		46,47
κ-$(ET)_2Cu(CN)[N(CN)_2]$	κ-type		46
κ-$(ET)_2Ag(CN)_2H_2O$	κ-type		48
$(BO)_2CF_3SO_3$	κ-type		51
$(BETS)_2Cu[N(CN)_2]Br$	κ-type		52
$(MDT\text{-}TTF)_2AuI_2$	κ-type		44
$(MT)_2Au(CN)_2$	κ-type		44
δ-phase			
β-$(ET)_2PF_6$	open(transverese)		53
β-$(ET)_2AsF_6$	open(transverese)		53
δ-$(ET)_2Ni(CN)_4(H_2O)_4$	open(transverese)		36
$(ET)_2Br(H_2O)_3$	κ-like		54
δ-$(ET)_2AuBr_2$	open(transverese)	(Fig. 14)	55
δ-$(ET)_2AuI_2$	open(stack)		56,57
α'-Phases			
α'-$(ET)_2Ag(CN)_2$	open(stack)		58
α'-$(ET)_2Au(CN)_2$	open(stack)		58
α'-$(ET)_2AuBr_2$	open(stack)		58
γ'-$(ET)_2AuI_2$	open(stack)		59