

追加分

物質	$R_T / S \text{ cm}^{-1}$	$E_A / \text{eV}$	$C / \text{emu K mol}^{-1}$	$\theta / \text{K}$	$\chi_{\text{max}} / \text{K}$	$\chi_{\text{rt}} / \text{emu mol}^{-1}$	$J / \text{K}$	$T_{\text{trans}} / \text{K}$	phase
[Mn(OC12H25)4TPP][TCNE]						1e-2	-173.5	22	ferri-ferro
[MnF4TPP][TCNE]						9e-3	-236	27	ferri-ferro
[Mn(CN)4TPP][TCNE]						1e-3	-58.4	20	ferri-ferro
[Mn(OC10H21)4TPP][TCNE]								21.7	ferro
[Mn(OC14H29)4TPP][TCNE]								20.5	ferro
[MnF4TPP][TCNE]									
[MnTPP][TCNE]								20	ferro-meta
[MnTEtOPP][TCNE]									
[FcCH2N(CH3)3][Ni(mnt)2]						2e-4		120	AF
[FcCH2N(CH3)3][Pt(mnt)2]						3e-4			
CoCu(obbz)(H2O)4 2(H2O)						9.63e-3			
CoCu(obbz)(H2O)3						9.00e-3			ferri
CoCu(obbz)(H2O)						8.67e-3		25	ferri-ferro
p-EPYNN[Ni(dmit)2]0.5[Au(dmit)2]0.5						1.6e-3			
p-EPYNN[Ni(dmit)2]0.75[Au(dmit)2]0.25						1.7e-3			
p-EPYNN[Ni(dmit)2]0.9[Au(dmit)2]0.1						1.7e-3			
p-EPYNN[Ni(dmit)2]						1.6e-3			
(BEDT)2FeCl4				-3					
(BEDT)2RbCo(SCN)4	5								
(BEDT)2TlCo(SCN)4	2.5								
$\alpha$ "-(BEDT)2KCu(SCN)4	0.5	0.09				7.4e-4			
$\beta$ "-(BEDT)4[(H3O)Fe(C2O4)3]C5H5N	100		4.89	-0.04		1e-2			
$\beta$ "-(BEDT)4[(H3O)Fe(C2O4)3]C6H5CN	100								

g(ii)	g( )	$\Delta H / G$	remarks	Ref.		Author
			reentrant spin glass(22K), coercivity=0.50T(4.3K)	JMMM	205, pp14-26, (1999)	M. Balanda
			reentrant spin glass(15K), coercivity=0.36T(4.45K)	JMMM	205, pp14-26, (2000)	M. Balanda
			reentrant spin glass(10K)	JMMM	205, pp14-26, (2001)	M. Balanda
			coercivity=0.36T(5.1K)	JMMM	196-197, pp564-565, (1999)	K. Falk
			coercivity=0.30T(4.8K)	JMMM	196-197, pp564-565, (2000)	K. Falk
			coercivity=0.20T(4.3K)	JMMM	196-197, pp564-565, (2001)	K. Falk
			coercivity=0.8T(2.0K), AFM	TSF	331, pp165-169, (1998)	K. Nagai
			coercivity=20T(2.0K), AFM	TSF	331, pp165-169, (1999)	K. Nagai
2.1				SM	103, pp2310-2311, (1999)	AE. Pullen
			structural transition(220K)	SM	103, pp2310-2311, (2000)	AE. Pullen
			IR, Raman	IC	36, pp6374-6381, (1998)	J. Larionova
			IR, Raman	IC	36, pp6374-6381, (1999)	J. Larionova
			IR, Raman	IC	36, pp6374-6381, (2000)	J. Larionova
				SM	103, pp2292-2293, (1999)	T. Otsuka
				SM	103, pp2292-2293, (2000)	T. Otsuka
				SM	103, pp2292-2293, (2001)	T. Otsuka
				SM	103, pp2292-2293, (2002)	T. Otsuka
				SM	103, pp1984-1984, (1999)	H. Uozaki
				BCSJ	71, 797-806, (1998)	H. Mori
				BCSJ	71, 797-806, (2000)	H. Mori
				CL	pp505-506, (1998)	H. Mori
			raman	IC	38, pp3543-3549, (1999)	SS. Turner

物質	$R_T / S \text{ cm}^{-1}$	$E_A / \text{eV}$	$C / \text{emu K mol}^{-1}$	$\theta / \text{K}$	$\chi_{\text{max}} / \text{K}$	$\chi_{\text{rt}} / \text{emu mol}^{-1}$	$J / \text{K}$	$T_{\text{trans}} / \text{K}$	phase
(BETS)2[Fe(CN)5NO]						3e-3			
(BETS)3[Fe(CN)6]2						4e-3			
(BETS)4[Fe(CN)6]						5e-3			
$\kappa$ -(BETS)2FeBr4			4.70	-5.5		5e-2		2.5	AF
$\kappa$ -(BETS)2FeCl4				-1					
$\kappa$ -(BETS)2FeCl4				-1.41 ~ -1.61					
$\lambda$ -(BETS)2FeCl4				-12					
$\lambda$ -(BETS)2FeCl4				-30				8	AF
$\lambda$ -(BETS)2(Fe0.55Ga0.45)Cl4									
$\lambda$ -(BETS)2(Fe0.43Ga0.57)Cl4								4.2	AF
$\lambda$ -(BETS)2FeBr0.6Cl3.4									
$\lambda$ -(BETS)2FeBr1.1Cl2.9									
(EDT-TTF)4CoCl4(1,1,2-TCE)x				-6					AF
(TTF)7[Fe(CN)5NO]2	3e-5	0.4				7e-4			
BET=bis(ethylenethio)-tetrathiafulvalene									
p-EPYNN=p-N-ethylpyridinium nitronylnitroxide									
Fc=Ferrocene									
obbz=N,N'-bis(2-carboxyphenyl)oxamido									
Pc=phthalocyanine									
TCNE=tetracyanoethylene									
TEtOPP=tetra(4ethoxyphenyl)porphyrin									
tpp=tetraphenylporphyrine									

g(ii)	g( )	$\Delta H / G$	remarks	Ref.		Author
2.0082		18		SM	103, pp2279-2282, (2002)	M. Clemente-Leon
				SM	103, pp2279-2282, (2000)	M. Clemente-Leon
				SM	103, pp2279-2282, (1999)	M. Clemente-Leon
			SC	JACS	121, 5581-5582, (1999)	E. Ojima
				SM	103, pp1984-1984, (2000)	H. Uozaki
				SM	103, pp2012-2013, (1999)	D. Zhang
			spin-flop 1.2T	SM	103, pp2012-2013, (2000)	D. Zhang
			M-I transition (8K)	JACS	119, pp12681-12682, (1998)	H. Akutsu
			M-I transition (4.1-5.4K), reentrant S-I transition (2.3-3.6K)	JACS	119, pp12392-12393, (1998)	H. Kobayashi
			M-I transition (4.0-4.5K), reentrant S-I transition (3.0-3.6K)	JACS	119, pp12392-12393, (1999)	H. Kobayashi
			M-I transition (14K)	JACS	119, pp12681-12682, (1999)	H. Akutsu
			M-I transition (18K)	JACS	119, pp12681-12682, (2000)	H. Akutsu
2.0		40		SM	102, pp1681-1681, (1999)	H. Mori
				SM	103, pp2279-2282, (2001)	M. Clemente-Leon
			IR=Infrared Spectrum	BCSJ	Bull. Chem. Soc. Jpn.	
			M-I=Metal-Insulator Transition	CL	Chem.Lett.	
			SC=Super Conducting Transition	IC	Inorg. Chem.	
			SI=Super-Insulator Transition	JACS	J. Am. Chem. Soc.	
				JMMM	J. Magn. Magn. Matt.	
				SM	Synth. Met.	
				TSF	Thin Solid Films	