

Electronic Supplementary Information

The “Magic” Electronic State of High- T_C Cuprate Superconductors

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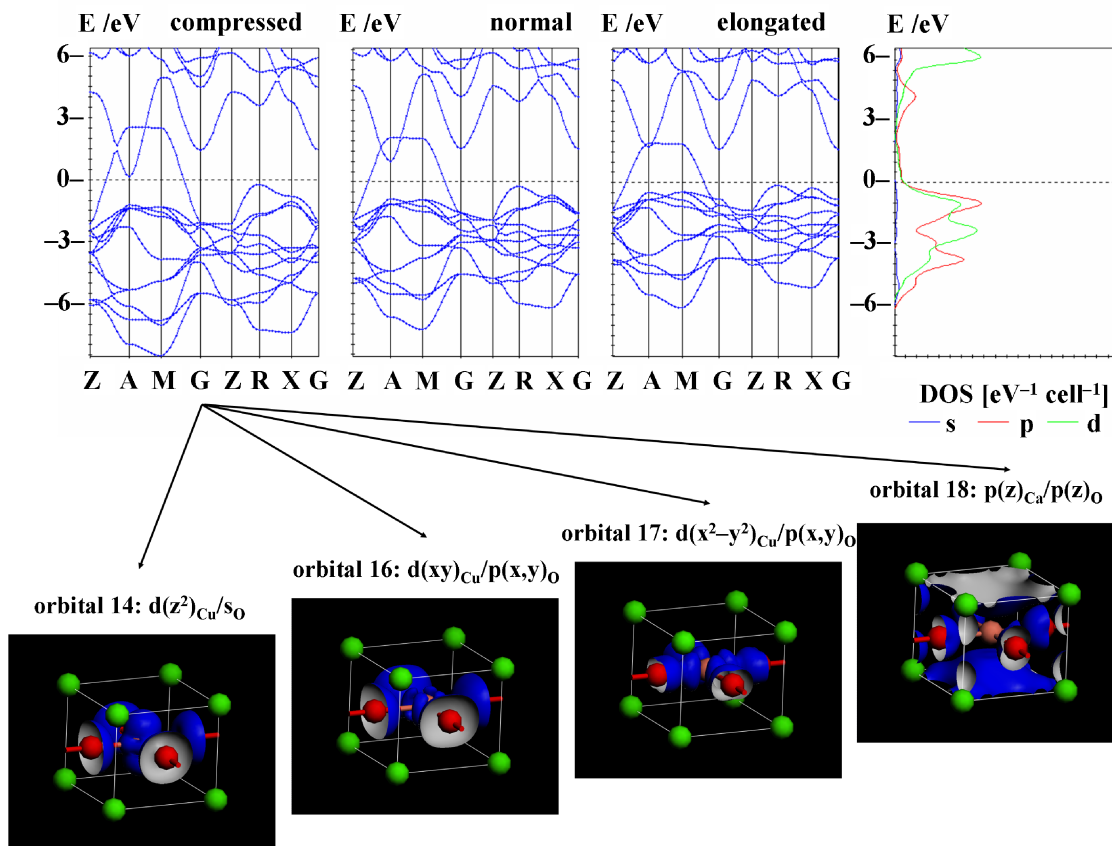
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- 8. Table containing numerical data used for drawing Figure 1. An extended Table containing all data considered in preparation of this extract may be obtained from the authors upon request.*
- 9. References to the Table. These references cover also literature which was analyzed in preparation of the extended Table.*

(a) All contours of the electron density are shown for isovalue of **0.02 e Å⁻³**.

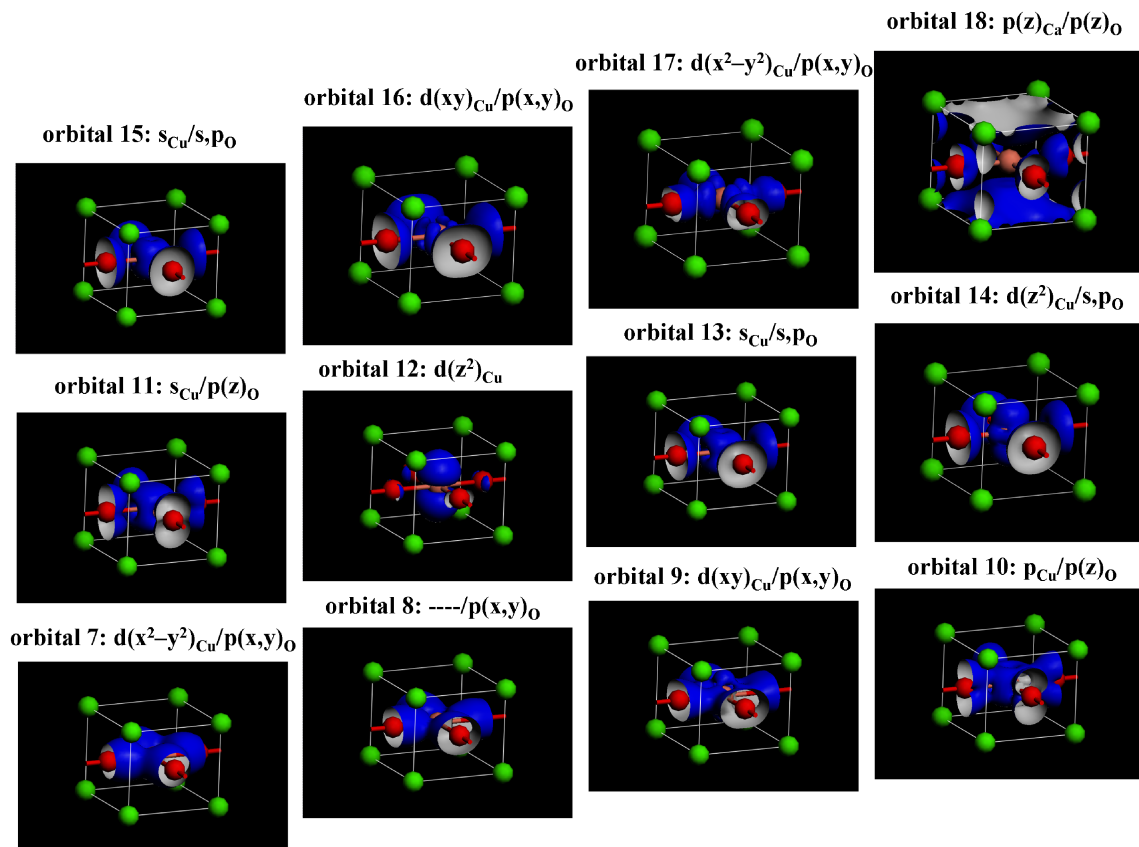
(b) Wherever applicable, the unit cell vectors (1., 2.) have been modified by **±5%** with respect to experimental values. This allows for analyzing effects of a modest external pressure.

(c) Wherever applicable, the intra-sheet Cu–O bond distances (3., 4.) have been modified by **±5%** with respect to the experimental value (1.927 Å). This allows for analyzing effects of a given normal vibration (classical amplitude of vibrations is typically 10% of the equilibrium bond length).

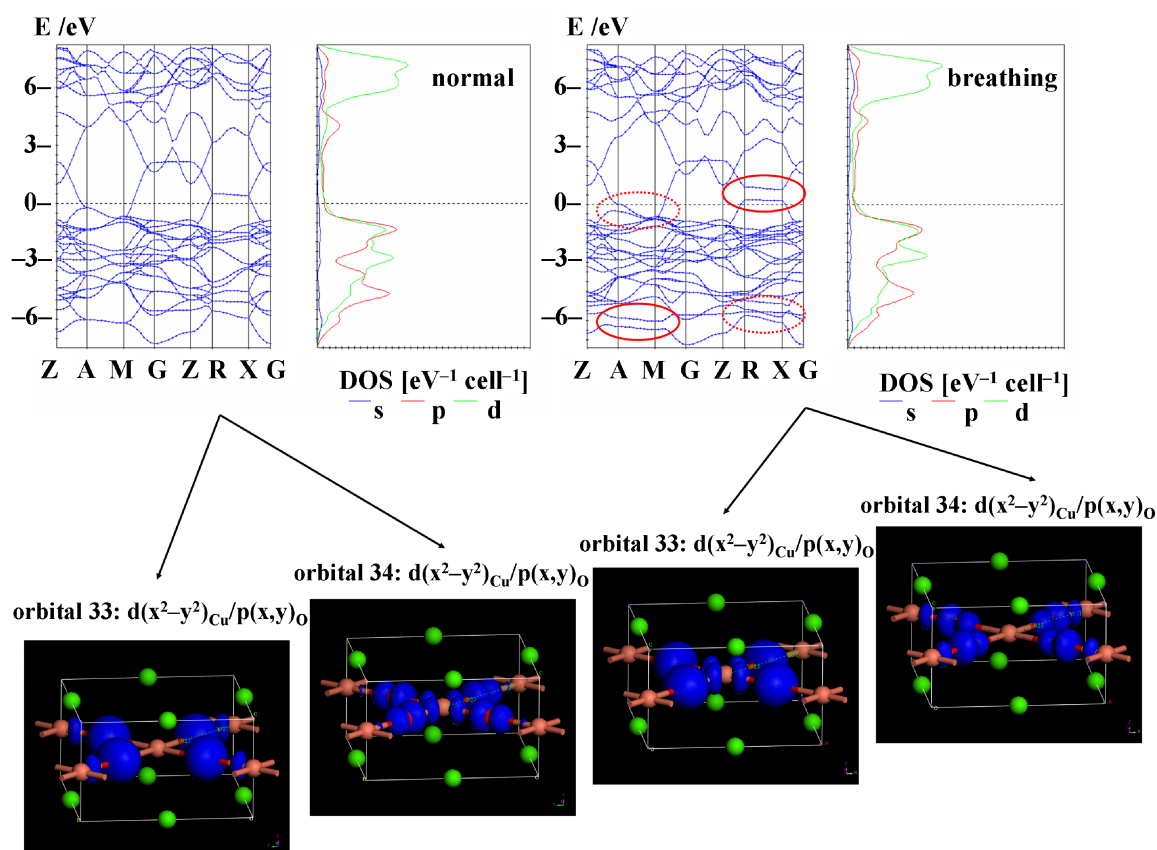
1. Influence of the unit cell vector, $a=b$, on the electronic band structure of CaCuO_2 (spin-unpolarized GGA/PBE view).



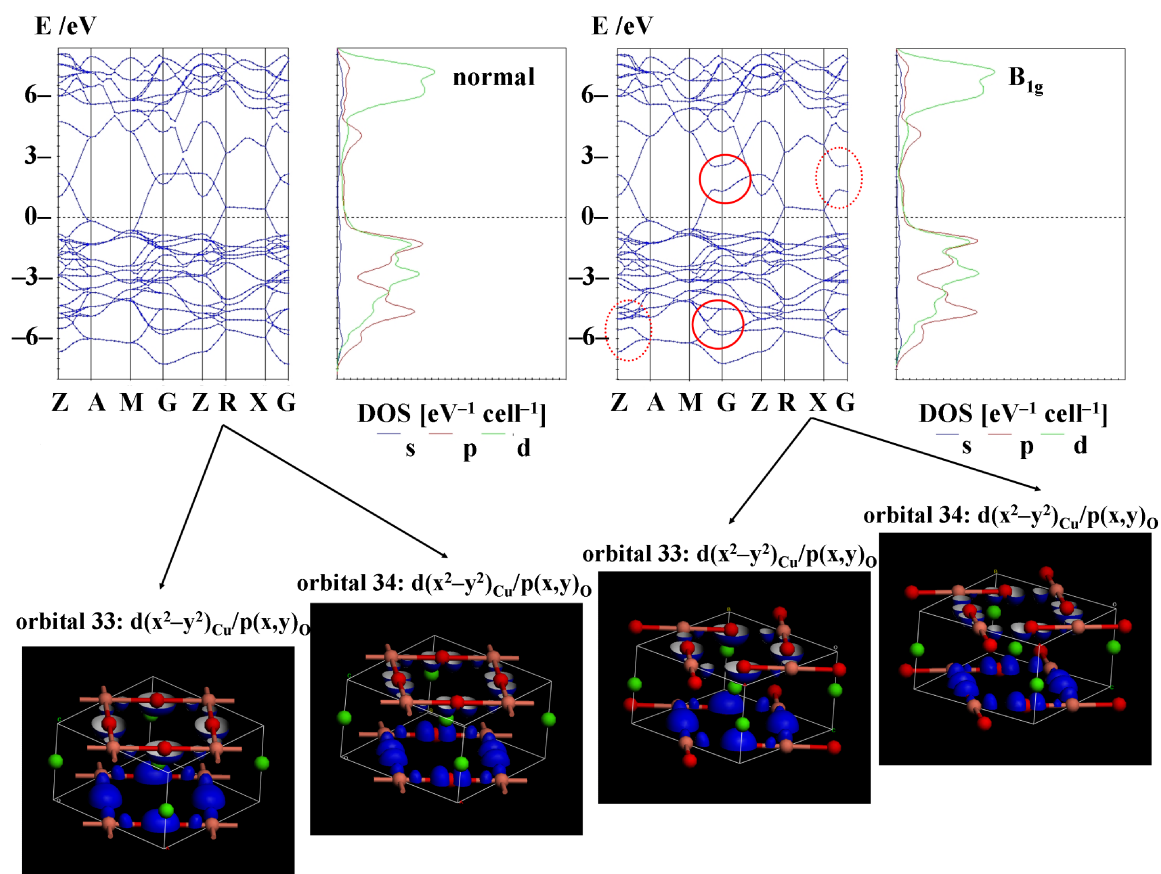
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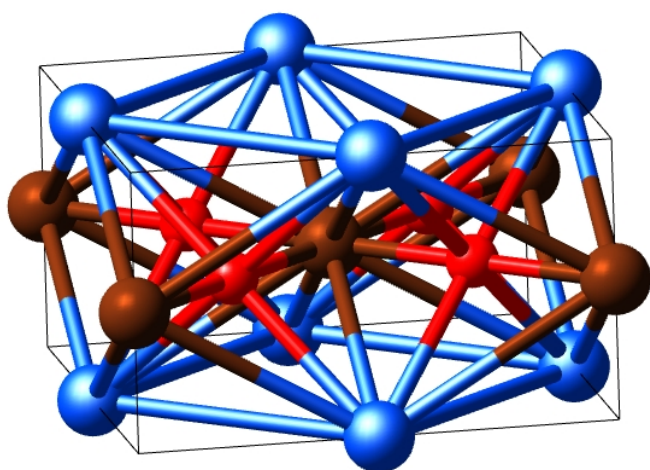
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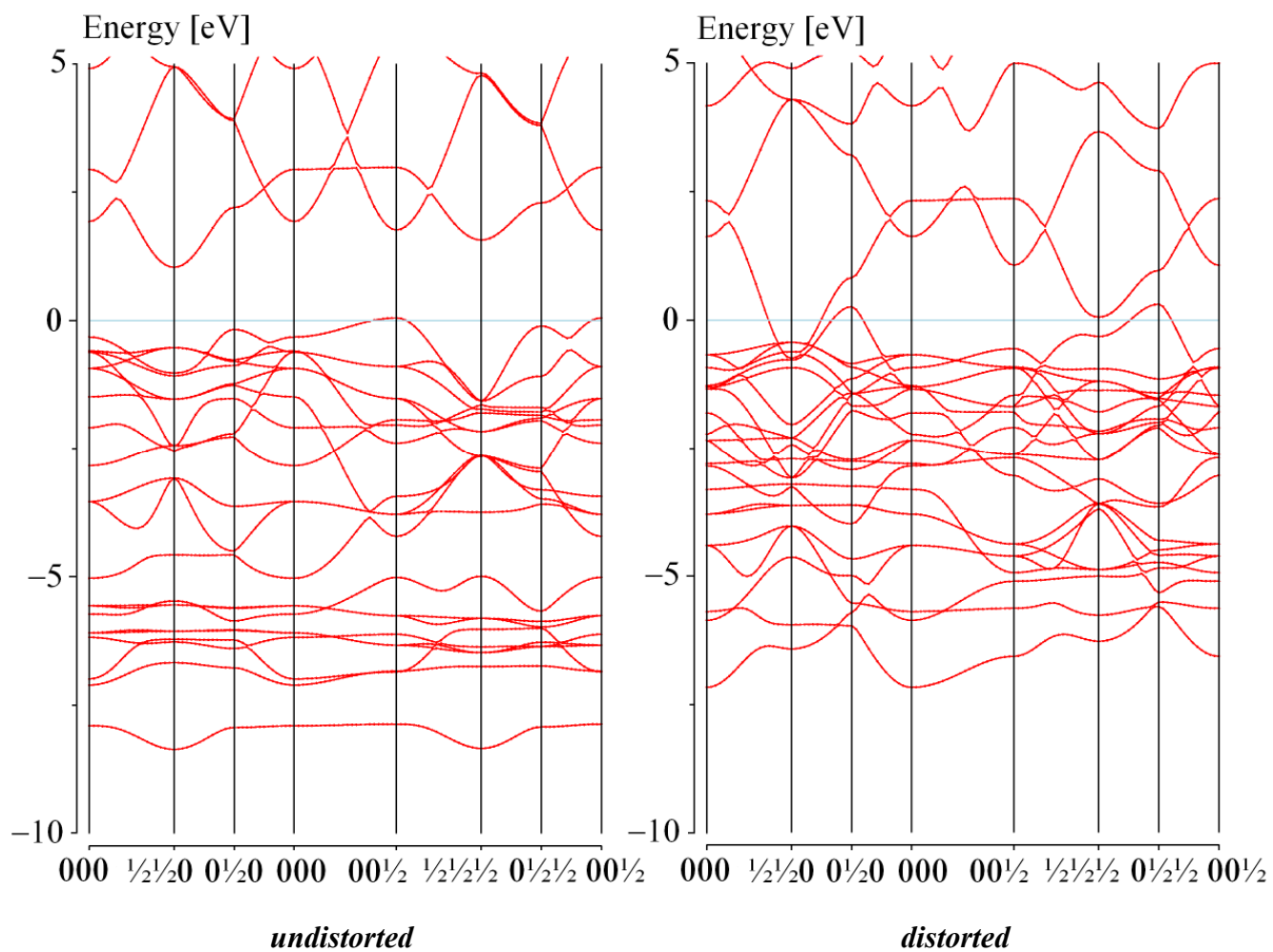
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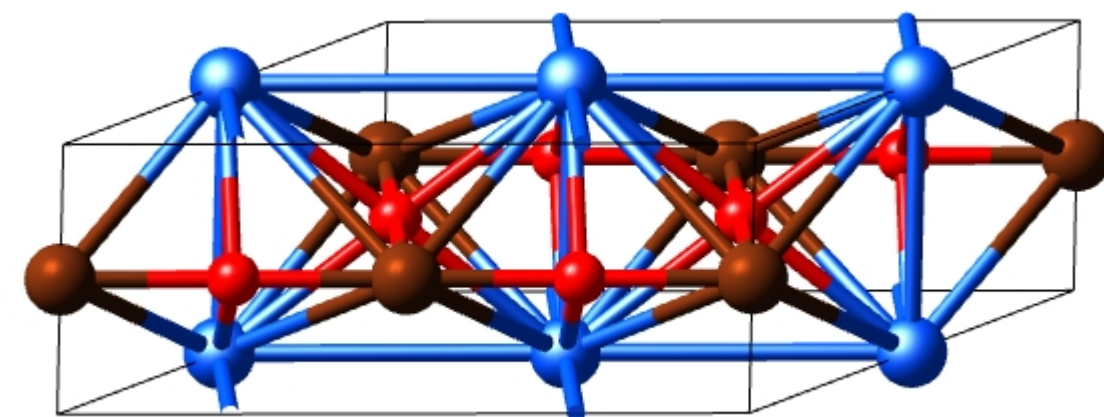
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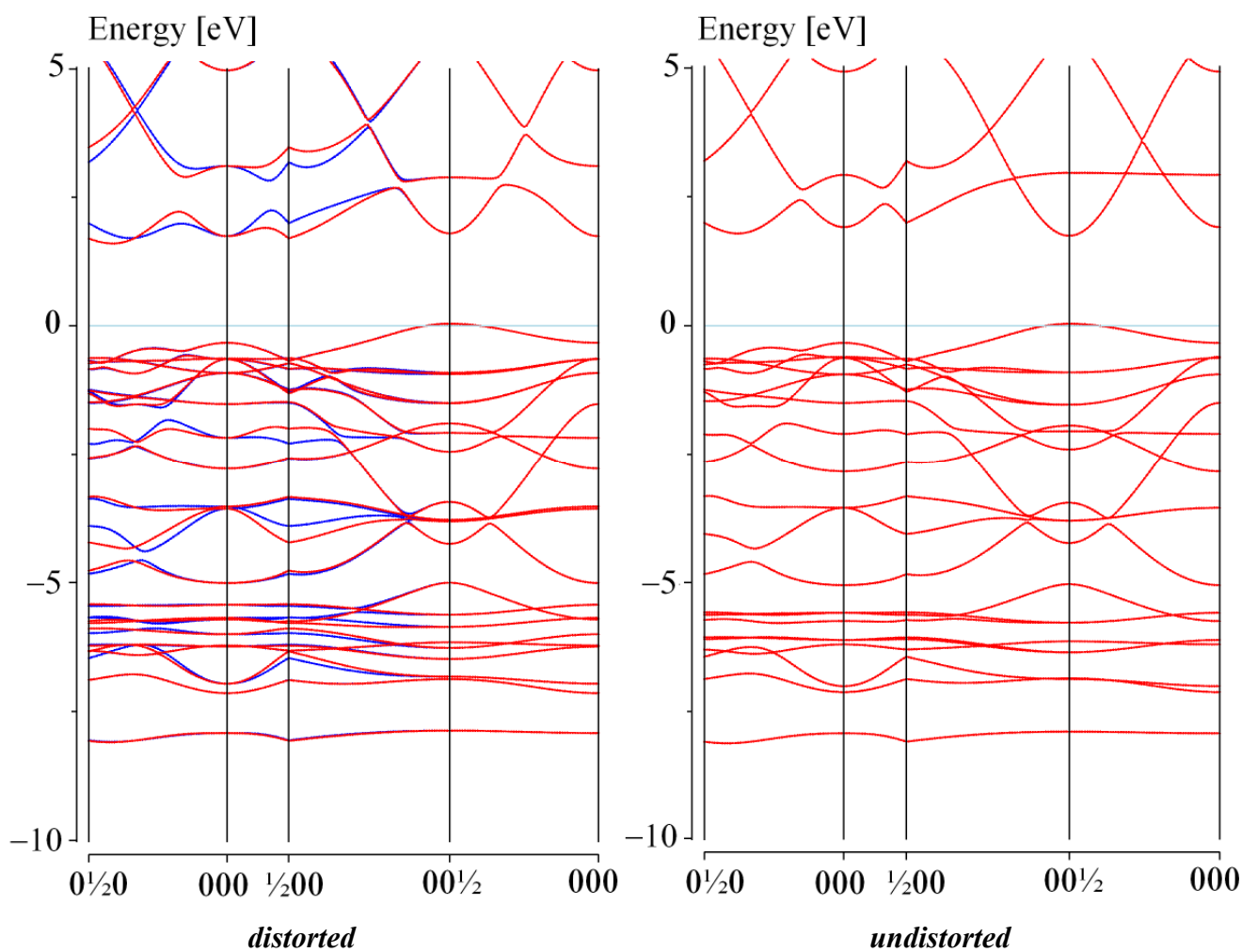
P4mmm supercell selected for this calculation



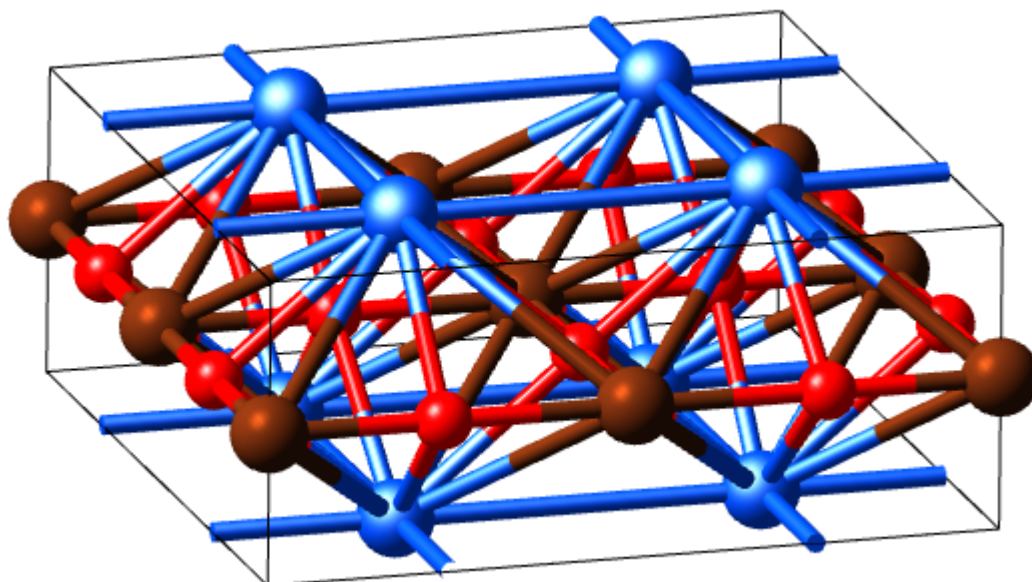
6. Influence of the Q mode on the electronic band structure of CaCuO_2 (spin-polarized LSDA+ U view, $J=1$ eV, $U_{\text{Cu}}=10.5$ eV, $U_{\text{O}}=4$ eV).



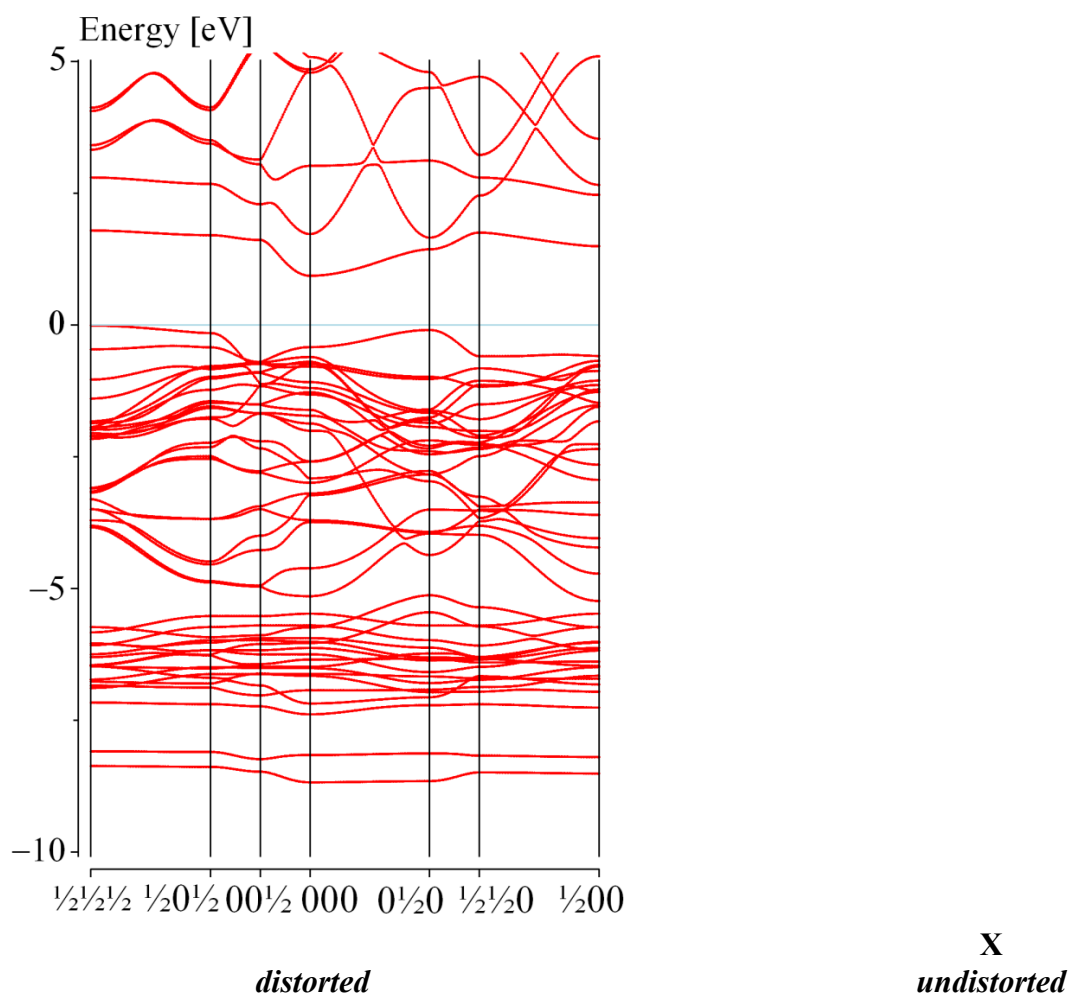
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supercell
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for this
calculation



7. Influence of the half-breathing mode on the electronic band structure of CaCuO_2 (spin-polarized LSDA+U view, $J=1$ eV, $U_{\text{Cu}}=10.5$ eV, $U_{\text{O}}=4$ eV).



**the Pmmm
supercell selected
for this
calculation**



8. Table containing numerical data used for drawing Figure 1.

Legend: (i) main types of OCSs are marked in blue (for ex. **Tl(Sr)**); (ii) distinct families of OCSs are marked in gray (for ex. (Tl-1201) Tl(SrLa)₂CuO₅); (iii) entries in green (for ex. TlSr₂CaCu₂O₇) correspond to families, which have been used while preparing Fig.1; (iv) entries in blue (for ex. TlSr₂CaCu₂O_{7-x}) correspond to various alternative data for certain OCSs, usually corresponding to non-optimally doped systems; they have not been used for Fig.1; (v) entries in red are incomplete, doubtful, or they do not fulfill all conditions (1-5) imposed in drawing of the Fig.1 (see paper) and they have not been used, either.

Tl(Sr)

01.(Tl-1201) Tl(SrLa)₂CuO₅

Formula	Group	T _C	R(Cu–O)	Temperature	Pressure	Method	Lit.	Notes
Tl(Sr _{1,0} La _{1,0})CuO ₅	P4/mmm	40 K _(susc)	1.885 Å	293 K	1 bar	X-ray powder diff	[032]	

04.(Tl-1212) TlSr₂CaCu₂O₇

TlSr ₂ CaCu ₂ O ₇	P4/mmm	73 K _(susc)	1,898 Å	300 K	?	X-ray powder diff	[322]	
TlSr ₂ CaCu ₂ O _{7-x}	P4/mmm	75 K	?	?	?	neutron powder diff	[012]	after reduction in argon
TlSr ₂ CaCu ₂ O ₇	P4/mmm	47 K _(zero)	1,897 Å	?	?	X-ray powder diff	[227]	

08.(Tl-1302) TlSr₂Cu₂O₇

Tl(Sr _{2,4} Nd _{0,6})Cu ₂ O ₇	P4/mmm	95 K _(susc)	1,9178 Å	296 K	?	X-ray powder diff	[323]	Cu-O = a/2
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02.(Tl-2233) Tl₂Sr₂(Ca₂La)₄Cu₃O₁₁

Tl ₂ Sr ₂ (Ca ₂ La ₁)Cu ₃ O ₁₁	P4/mmm	76 K _(zero)	1,901 Å	?	?	X-ray powder diff	[142]	
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94.(Tl-2243) Tl₂Sr₂(CaLa)₄Cu₃O₁₂

Tl ₂ Sr ₂ (Ca ₂ La ₂)Cu ₃ O ₁₂	P4/mmm	28 K _(zero)	1,899 Å	?	?	X-ray powder diff	[142]	
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95.(Tl-4476) Tl₂Sr₂(CaLa)_{3,5}Cu₃O₁₂

Tl ₂ Sr ₂ (Ca ₂ La _{1,5})Cu ₃ O _{11,5}	P4/mmm	43 K _(zero)	1,901 Å	?	?	X-ray powder diff	[142]	
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Tl(Ba)

03.(Tl-1212) TlBa₂CaCu₂O₇

TlBa ₂ (Ca _{0,82} Tl _{0,18})Cu ₂ O ₇	P4/mmm	103 K _(susc)	1,929 Å	293 K	1 atm	single cryst neutron	[021]	no Cu-O chains
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05.(Tl-1223) TlBa₂Ca₂Cu₃O₉

Tl ₁ Ba ₂ Ca ₂ Cu ₃ O _{9-x}	P4/mmm	121 K _(susc)	~1,925 Å	293 K	1 atm	single crystal X-ray	[035]	average value a/2; annealing N ₂
1:3 Tl-1223/Tl-2223	I4/mmm	124,6 K	1,924(2) Å	?	?	X-ray powder diff	[207]	pure 1223 phase
06.(Tl-1234) TlBa ₂ Ca ₃ Cu ₄ O ₁₁								
Tl ₁ Ba ₂ Ca ₃ Cu ₄ O ₁₂	P4/mmm	114 K _(susc)	1,924(9) Å	293 K	?	X-ray powder diff	[062]	two [CuO ₂] layers
07.(Tl-1245) TlBa ₂ Ca ₅ Cu ₅ O ₁₃								
TlBa ₂ Ca ₅ Cu ₅ O ₁₃	P4/mmm	105 K	1,9253(1) Å	?	?	X-ray powder diff	[261]	Cu-O = a/2
09.(Tl-1402) Tl(BaLa) ₄ Cu ₂ O ₉								
Tl(BaLa) ₄ Cu ₂ O ₉	I4/mmm	42 K _(susc)	1,9055(2) Å	296 K	?	X-ray powder diff	[326]	after annealing; Cu-O = a/2
10.(Tl-2201) Tl ₂ Ba ₂ Cu ₆ O ₆								
(Tl _{1,85} Cu _{0,15})Ba ₂ Cu ₆ O ₆	I4/mmm	110 K _(susc)	1,9343(3) Å	293 K	1 atm	single crystal X-ray	[036]	
Tl ₂ Ba ₂ Cu ₆ O ₆	Fmmm	90 K _(susc)	1,93712(7) Å	?	?	X-ray powder diff	[094]	Cu-O = 0,25 √(a ² + b ²)
Tl ₂ Ba ₂ Cu ₆ O ₆	Fmmm	93 K	?	?	?	powder neutron diff	[081]	possibility of I4/mmm
11.(Tl-2212) Tl ₂ Ba ₂ CaCu ₂ O ₈								
Tl ₂ Ba ₂ CaCu ₂ O ₈	I4/mmm	112 K _(susc)	1,9277(3) Å	293 K	?	single-cryst. X-ray	[139]	
Tl _{1,85} Ba ₂ CaCu ₂ O _{8-x}	I4/mmm	114 K	1,92971(5) Å	?	?	x-ray/n powder diff	[118]	Cu-O = a/2; after annealing 98 K
Tl _{1,92} Ba ₂ Ca _{1,08} Cu ₂ O ₈	I4/mmm	98 K _(zero)	1,9272(1) Å	?	?	X-ray powder diff	[106]	Cu-O = a/2
Tl ₂ Ba ₂ CaCu ₂ O ₈	I4/mmm	100,6 K _(zero)	1,92 Å	?	?	X-ray powder diff	[113]	a/2 = 1,924 Å
12.(Tl-2234) Tl ₂ Ba ₂ Ca ₃ Cu ₄ O ₁₂								
Tl ₂ Ba ₂ Ca ₃ Cu ₄ O ₁₂	I4/mmm	109 K _(susc)	1,925(1) Å	293 K	?	neutron powder diff	[057]	freshly prepared
13.(Tl-2223) Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀								
Tl ₂ Ba ₂ CaCu ₃ O ₁₀	I4/mmm	125 K _(zero)	1,9252(3) Å	293 K	?	single crystal X-ray	[180]	T _{c (onset)} = 140 K
Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀	I4/mmm	127 K	1,9258(1) Å	?	?	neutron powder &	[058]	annealing 820°C O ₂

(Ti _{1.72} Cu _{0.28})Ba ₂ (CaTi) ₂ Cu ₃ O ₁₀	I4/mmm	124,5 K	1,9259(1) Å	?	?	[058]	origin of the T _C value unclear
17.(Ti-1112) TiBaCaCu ₂ O _{5.5}							
TiBaCaCu ₂ O _{5.5}	I4/mmm	120 K _(zero)	1,921 Å	?	?	[361]	Cu-O = a/2; annealing O ₂
96.(Ti-5526) Ti ₅ Ba ₅ Ca ₂ Cu ₆ O _x							
Ti ₅ Ba ₅ Ca ₂ Cu ₆ O _x	I4/mmm	106 K _(zero)	1,931 Å	?	?	[362]	Cu-O = $\sqrt{4}$; 0,24(4) K/kbar
Bi(Sr)							
14.(Bi-2201) Bi ₂ Sr ₂ CuO ₆							
Bi ₂ Sr ₂ CuO ₆	Amaa	83 K _(zero)	1.900(2) Å	293 K	1 atm	[004]	90 K _(onset)
85.(Bi-2223F) Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₈							
Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₈ F ₄	A2aa	75 K _(susc)	1,912 Å	?	?	[271]	two layers; T _c = 105 Bi-2223
16.(Bi-2223) Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀							
Bi _{2.1} Sr _{1.9} Ca ₂ Cu ₃ O _{10+x}	I4/mmm	108 K _(susc)	1,914(1) Å	?	?	[121]	annealing O ₂ 600°C
Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀	A2aa	106 K _(susc)	1,913 & 1,94	?	?	[271]	two layers
15.(Bi-2212) Bi ₂ Sr ₂ CaCu ₂ O ₈							
Bi ₂ Sr ₂ (Sr,Ca)Cu ₂ O ₈	Amaa	91 K _(zero)	1,911(2) Å	?	?	[182]	116 K _(onset) ; Cu-O= $\sqrt{2}$ x ² /4
Bi _{2.09} Sr _{1.90} Ca _{1.00} Cu ₂ O _{8.22}	Cc	90 K _(onset)	1,94 Å	293 K	?	[089]	average Cu-O distance
Bi _{2.2} Sr ₂ CaCu ₂ Li _{0.4} O _x	?	100,9K _(onset)	?	?	?	[181]	94,1 K _(zero)
18.(Bi-4334) Bi ₄ Sr ₃ Ca ₃ Cu ₄ O ₁₆							
Bi ₄ Sr ₃ Ca ₃ Cu ₄ O ₁₆	tetragonal	70 K _(zero)	1,899 Å	?	?	[363]	T _c (onset) = 80 K
19.(Bi-4413) Bi ₄ Sr ₄ CaCu ₃ O ₁₄							
Bi ₄ Sr ₄ CaCu ₃ O ₁₄	Pbmn	84 K _(zero)	1,93 Å	?	?	[263]	92 K _(onset)

Bi(Ba)

93,(Bi-2201)

Bi₂(Ba_{0.8}Ru_{0.2})CuO₆	?	90 K_(zero)	a=b=4,328(6) Å	?	?	X-ray diffraction	[350]	T_c (onset) = 95 K; anomal <i>a</i> value, not considered
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92,(Bi-2212)

Bi₂Ba₂(Ba_{0.3}La_{0.7})Cu₂O₈	Fmmm	-	1,972(1) Å	?	?	X-ray powder diff	[351]	no T_c measurements
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104,(Bi-1112)

BiBaCaCu₂O₄	?	110	?	?	?	?	[394]	?
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Hg(Sr)

91,(Hg-1212)

HgSr₂(Ca_{0.5}La_{0.3}Ce_{0.2})Cu₂O_x	P4/mmm	81 K_(zero)	1,928 Å	?	?	X-ray powder diff	[352]	95 % phase purity
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105,(HgPr-1212)

(Hg_{0.4}Pr_{0.6})Sr₂(Sr_{0.7}Pr_{0.3})Cu₂O₆	Pmmm	85 K_(susc)	1,9193(4) Å	?	?	X-ray powder diff	[238]	annealing: no T_c influence
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Hg(Ba)

22,(Hg-1223) HgBa₂Ca₂Cu₃O₈

HgBa₂Ca₂Cu₃O_{8+0.18}	P4/mmm	135 K_(susc)	1,92393(4) Å	293 K	1 atm.	neutron powder diff	[014]	two [CuO₂] layers
HgBa₂Ca₂Cu₃O₈	P4/mmm	135 K	1,9230(1) Å	293 K	0,000 GPa	neutron powder diff	[054]	annealing in O₂
HgBa₂Ca₂Cu₃O_{8+x}	P4/mmm	135 K	1,926(1) Å	293 K	1 atm	neutron powder diff	[016]	2 [CuO₂] layers; same bond lengths
HgBa₂Ca₂Cu₃O_{8.19}	P4/mmm	135 K	1,925(6) Å	293 K	?	X-ray single-crystal	[070]	annealing 300°C O₂
HgBa₂Ca₂Cu₃O₈	P4/mmm	135 K	1,925 Å	?	?	X-ray single-crystal	[063]	120 K before annealing
HgBa₂Ca₂Cu₃O₁₀	P4/mmm	135 K_(onset)	1,9266(5) Å	?	?	X-ray powder diff	[184]	Cu-O = a/2, annealing O₂

20,(Hg-1201) HgBa₂CuO₄

HgBa₂CuO_{4+0.12}	P4/mmm	98 K_(susc)	1,9426(1) Å	293 K	1 atm.	tof powder neutron	[017]	
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HgBa ₂ CuO _{4+0,13}	P4/mmm	97,5 K	1,94184(4) Å	293 K	1 atm.	tof neutron powder	[019]	calculated values (a/2)
HgBa ₂ CuO _{4+x}	P4/mmm	97 K	1,9396(1) Å	293 K	0,000 GPa	neutron powder diff	[054]	annealing O ₂ ; Cu-O = a/2
HgBa ₂ CuO _{4,12}	P4/mmm	96 K	1,941(2) Å	293 K	0,00 GPa	neutron powder diff	[079]	Cu-O = a/2

21.(Hg-1212) HgBa₂CaCu₂O₆

HgBa ₂ CaCu ₂ O ₆	P4/mmm	128 K _(susc)	1,9247(1) Å	293 K	0,000 GPa	neutron powder diff	[054]	annealing in 2% O ₂ /Ar
HgBa ₂ CaCu ₂ O ₆	P4/mmm	127 K	1,928(1) Å	293 K	1 atm	single crystal X-ray	[059]	annealing in O ₂
HgBa ₂ CaCu ₂ O ₆	P4/mmm	128 K	1,93 Å	293 K	?	neutron powder diff	[048]	freshly prepared

23.(Hg-1234) HgBa₂Ca₃Cu₄O₁₀

HgBa ₂ Ca ₃ Cu ₄ O _{9,9}	P4/mmm	125 K _(susc)	1,9260(5) Å	?	?	X-ray powder diff	[184]	Cu-O = a/2, annealing O ₂
HgBa ₂ Ca ₃ Cu ₄ O _{8+0,18}	P4/mmm	125 K	1,9252(6) Å	?	?	neutron powder dif	[119]	annealing O ₂ ; two [CuO ₂] layers
			1,9249(2) Å					

24.(Hg-1245) HgBa₂Ca₄Cu₅O₁₂

HgBa ₂ Ca ₄ Cu ₅ O _{12,46}	P4/mmm	103 K _(susc)	1,925(1) Å	?	?	single crystal X-ray	[260]	three [CuO ₂] layers
			1,925(1) Å					
			1,926(1) Å					
HgBa ₂ Ca ₄ Cu ₅ O ₁₂	P4/mmm	101 K _(susc)	1,9260(2) Å	293 K	?	neutron powder diff	[243]	T _c =114 K od fazy Hg-1256

25.(Hg-1256) HgBa₂Ca₅Cu₆O₁₄

HgBa ₂ Ca ₅ Cu ₆ O ₁₄	P4/mmm	114 K _(susc)	1,9258 Å	293 K	?	neutron powder diff	[243]	Hg-1245 impurity present
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26.(Hg-1267) HgBa₂Ca₆Cu₇O₁₆

HgBa ₂ Ca ₆ Cu ₇ O ₁₆	P4/mmm	84 K _(susc)	1,9257(5) Å	293 K	?	single crystal X-ray	[215]	Cu-O = a/2
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27.(Hg-2212) Hg₂Ba₂CaCu₂O₈

Hg ₂ Ba ₂ (Y _{0,6} Ca _{0,4})Cu ₂ O ₈	I4/mmm	45 K _(zero)	1,9345(7) Å	293 K	?	neutron powder diff	[211]	T _{c (onset)} = 70 K
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Pb(Sr)

102.(Pb-1201) PbSr₂CuO₅

PbSr ₂ CuO ₅	?	40K _(susc)	1,91 Å	?	?	X-ray diff	[392]	Thin layers
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30.(Pb-1223) PbSr₂Ca₂Cu₃O₉

Pb _{0.5} Sr _{2.8} Ca _{1.7} Cu ₃ O _{8.9}	P4/mmm	104 K _(susc)	1,916(2) Å	?	?	X-ray powder diff	[253]	
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28.(PbCd-1212) (PbCd)Sr₂CaCu₂O₇

(Pb _{0.5} Cd _{0.5})Sr ₂ (Y _{0.5} Ca _{0.5})Cu ₂ O ₇	P4/mmm	51 K _(zero)	1,914 Å	?	?	X-ray powder diff	[276]	T _{c (onset)} = 76 K
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102.(Pb-1212) PbSr₂CaCu₂O₇

(Pb _{0.5} Sr _{0.5})Sr ₂ (Y _{0.5} Ca _{0.5})Cu ₂ O ₇	P4/mmm	53 K _(zero)	1,909 Å	?	?	X-ray powder diff	[229]	Cu-O = a/2, T _{c (onset)} = 100 K
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31.(Pb-1234) PbSr₂Ca₃Cu₄O₁₁

(Pb _{0.6} Sr _{0.3} Cu _{0.1})Sr ₂ (CaSr) ₃ Cu ₄ O ₁₁	P4/mmm	107 K	1,921(2) Å	?	?	X-ray powder diff	[266]	two pairs of [CuO ₂] layers
			1,9169(3) Å					

32.(Pb-2202) Pb₂Sr₂Cu₂O₆

Pb ₂ SrLaCu ₂ O ₆	Pman	32 K _(susc)	1,8962(4) Å	296 K	?	X-ray powder diff	[316]	Cu-O = [√(a ² +b ²)]/4
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33.(Pb-2213) Pb₂Sr₂CaCu₃O₈

Pb ₂ Sr ₂ (Y _{0.73} Ca _{0.27})Cu ₃ O ₈	Pman	67 K _(susc)	1,912(1) Å	293 K	?	single cryst neutron	[232]	
Pb ₂ Sr ₂ (Y _{0.5} Ca _{0.5})Cu ₃ O ₈	P1	35 K _(zero)	1,9223(11) Å	293 K	?	neutron powder diff	[239]	79 K _(onset)

90.(Pb-3436) Pb₃Sr₄Ca₃Cu₆O_x

Pb ₃ Sr ₄ Ca ₃ Cu ₆ O _x	?	106 K _(zero)	?	?	?	?	[341]	T _{c (onset)} = ~120 K
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Pb(Ba) – two bond lengths

29.(Pb-1213) PbBa₂CaCu₃O₇

PbBa ₂ YCu ₃ O ₇	Fmm2	90 K	1,9430(4) Å	?	?	neutron powder diff	[286]	two [CuO ₂] layers
			1,9452(4) Å					

Fe(Sr)

103.(Fe-1212) FeSr₂YCu₂O₆

FeSr ₂ YCu ₂ O ₆	P4/mmm	50 K _(susc)	1,9110(1) Å	293 K	?	neutron powder diff	[393]	Cu/Fe-O = a/2
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Cu(Ba)

34.(Cu-1245) CuBa₂Ca₄Cu₅O_{12,26}

CuBa ₂ Ca ₄ Cu ₅ O _{12,26}	?	105 K _(susc)	1,929(1) Å	?	?	single crystal X-ray	[260]	cited elsewhere, Cu-O = a/2
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Mixtures: Tl,Bi

35.(TlBi-1212) (TlBi)Sr₂CaCu₂O₇

(Tl _{0,66} Bi _{0,33})Sr ₂ CaCu ₂ O ₇	P4/mmm	86 K _(susc)	1,8971(2) Å	294 K	?	single crystal X-ray	[246]	73 K after annealing
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36.(TlBi-1223) (TlBi)Sr₂Ca₂Cu₃O₉

(Tl _{0,8} Bi _{0,2})(Sr _{1,6} Ba _{0,4})Ca ₂ Cu ₃ O ₉	P4/mmm	113 K _(susc)	1,9105(1) Å	293 K	?	neutron powder diff	[250]	two [CuO ₂] layers
			1,9138(3) Å					

Mixtures: Tl,Hg

37.(TlHg-1223) (TlHg)Ba₂Ca₂Cu₃O₈

(Tl _{1-x} Hg _x)Ba ₂ Ca ₂ Cu ₃ O ₈	P4/mmm	134 K _(susc)	1,9273(5) Å	?	?	X-ray powder diff	[185]	0,1 < x < 1,0
(Tl _{0,2} Hg _{0,8})Ba ₂ Ca ₂ Cu ₃ O _{8,33}		133 K	1,9254(3) Å					annealing

38.(TlHg-2212) (TlHg)2Ba₂CaCu₂O₈

(Hg _{0,7} Tl _{0,3}) ₂ Ba ₂ (Ca _{0,6} Y _{0,4})Cu ₂ O ₈	I4/mmm	90 K _(susc)	1,931(4) Å	?	?	X-ray powder diff	[257]	
(Hg _{0,7} Tl _{0,3}) ₂ Ba ₂ (Ca _{0,4} Y _{0,6})Cu ₂ O ₈	I4/mmm	84 K _(susc)	1,939(5) Å	?	?	X-ray powder diff	[257]	
(Hg _{1,5} Tl _{0,5}) ₂ Ba ₂ CaCu ₂ O ₈	I4/mmm	74 K _(zero)	1,92391(0) Å	?	?	X-ray powder diff	[216]	100 K _(onset) read from the figure

39.(TlHg-2223) (TlHg)2Ba₂Ca₂Cu₃O₁₀

(Hg _{0,6} Tl _{0,4}) ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀	I4/mmm	96 K _(susc)	1,92237(7) Å	?	?	X-ray powder diff	[267]	annealing: Ar 400°C 12h
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40.(TlHg-3402) (TlHg)3Ba₄Cu₂O₁₀

(Tl ₂ Hg)Ba ₄ Cu ₂ O ₁₀	I4/mmm	50 K _(susc)	1,9292(1) Å	296 K	?	X-ray powder diff	[325]	Cu-O = a/2
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Mixtures: Tl,Pb

41.(TlPb-1212) (TlPb)Sr₂CaCu₂O₇

(Tl _{0,5} Pb _{0,5})Sr ₂ CaCu ₂ O ₇	P4/mmm	117,2 K _(susc)	1,900(2) Å	?	?	X-ray powder diff	[082]	
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(Tl _{0.5} Pb _{0.5})(Sr _{1.8} Ba _{0.2})CaCu ₂ O ₇	P4/mmm	116 K	1,904(2) Å	293 K	?	powder x-ray diff	[082]	
43. (TlPb-1223) (TlPb)Sr ₂ Ca ₂ Cu ₃ O ₉								
(Tl _{0.5} Pb _{0.5})Sr ₂ Ca ₂ Cu ₃ O ₉	P4/mmm	118 K _(susc)	1,906(1) Å	?	?	X-ray powder diff	[074]	temperature read from the figure 116-120 K
			1,911(1) Å					as above
(Tl _{0.53} Pb _{0.53})(Sr _{1.58} Ca _{0.36})Ca ₂ Cu ₃ O ₉	P4/mmm	118 K _(onset)	1,9076(1) Å	?	?	X-ray powder diff	[055]	two [CuO ₂] layers
			1,9095(3) Å					
(Tl _{0.5} Pb _{0.5})(Sr _{1.8} Ba _{0.2})Ca ₂ Cu ₃ O ₉		117,5 K _(susc)	1,907(1) Å	?	?	X-ray powder diff	[074]	temperature read from the figure 116-120 K
			1,910(1) Å					as above
(Tl _{0.55} Pb _{0.55})Sr ₂ Ca _{1.9} Cu ₃ O ₉	P4/mmm	118 K	1,9040(5) Å	293 K	?	single crystal X-ray	[280]	
			1,9052(7) Å					
97. (TlPb-1201) (TlPb)Sr ₂ CuO ₅								
(Tl _{0.5} Pb _{0.5})Sr ₂ CuO _{4.9}	P4/mmm	0 K	1,8691(2) Å	296 K	?	X-ray powder diff	[320]	Cu-O=a/2; metallic phase
42. (TlPb-1222) (TlPb)Sr ₂ Ca ₂ Cu ₂ O ₉								
(Tl _{0.5} Pb _{0.5})Sr ₂ (Gd _{1.8} Ce _{0.2})Cu ₂ O ₉	I4/mmm	45 K _(susc)	1,920 Å	296 K	?	X-ray powder diff	[324]	Cu-O = a/2
(Tl _{0.5} Pb _{0.5})Sr ₂ (Gd _{1.6} Ce _{0.4})Cu ₂ O ₉	?	45 K _(susc)	1,922 Å	296 K	?	X-ray diffraction	[324]	Cu-O = a/2
60. (TlPb-1402CO3) (TlPb)Sr ₄ Cu ₂ CO ₃ O ₇								
(Tl _{0.5} Pb _{0.5})Sr ₄ Cu ₂ O ₇ CO ₃	P4/mmm	70 K _(susc)	1,9122(1) Å	296 K	?	X-ray powder diff	[327]	annealing, Cu-O = a/2
Mixtures: Pb,Bi								
44. (PbBi-1112) (PbBi)CaCu ₂ O ₆								
(Bi _{0.3} B _{0.5} Pb _{0.2})SrCaCu _{2.5} O _x	?	107 K _(zero)	1,912 Å	296 K	?	X-ray powder diff	[304]	Cu-O = a/2; T _{c (ons)} = 116 K
45. (PbBi-2212) PbBiSr ₂ CaCu ₂ O ₈								

PbBiSr ₂ (Y _{0.5} Ca _{0.5})Cu ₂ O ₈	Pnan	85 K	1,919 Å	?	?	X-ray powder diff	[220]	
Bi _{1.2} Pb _{0.8} Sr ₂ Y _{0.6} Ca _{0.4} Cu ₂ O ₈	Pnan	~50 K _(zero)	1,908(1) Å	?	?	X-ray powder diff	[234]	T _c from the figure, Cu-O calculated
(Bi _{1.6} Pb _{0.4})Sr ₂ CaCu ₂ O ₈	Amaa	93 K	2,09(1) Å x 1,79(1) Å y	?	?	neutron powder diff	[231]	Too large span to be considered
46.(PbBi-2223) (BiPb)2Sr2Ca2Cu3O9								
(Bi _{1.7} Pb _{0.3})Sr ₂ Ca ₂ Cu ₃ O ₁₀	Amma	110 K _(zero)	1,94 Å	293 K	?	neutron powder diff	[230]	
47.(PbBi-2234) (PbBi)2Ba2Ca3Cu4O12								
(Pb _{1.6} Bi _{0.4})Ba ₂ Ca ₃ Cu ₄ O _x	?	106-108 K	?	?	?	X-ray powder diff	[186]	116 h of annealing
Mixtures: Pb,Hg								
48.(PbHg-1201) (PbHg)Sr2CuO5								
(Pb _{0.5} Hg _{0.5})(Sr _{1.2} La _{0.8}) ₂ CuO ₅	P4/mmm	30 K _(bulk)	1,8954(2) Å	?	?	X-ray powder diff	[205]	
49.(PbHg-1212) (PbHg)Sr2CaCu2O7								
(Pb _{0.5} Hg _{0.5})Sr ₂ (Y _{0.7} Ca _{0.3})Cu ₂ O ₇	P4/mmm	90 K _(bulk)	1,9083(2) Å	?	?	X-ray powder diff	[205]	
(Pb _{0.7} Hg _{0.3})Sr ₂ (Ca _{0.8} Nd _{0.2})Cu ₂ O ₇	P4/mmm	90 K _(susc)	1,910(1) Å	?	?	X-ray powder diff	[242]	100 K _(onset res)
(Hg _{0.7} Pb _{0.3})Sr ₂ (Ca _{0.7} Y _{0.3})Cu ₂ O ₇	P4/mmm	100 & 40 _(onset)	1,9084(6) Å	?	?	X-ray powder diff	[249]	Two T _C values detected (multiphase?)
51.(PbHg-1234) (PbHg)Ba2Ca3Cu4O10								
(Hg _x Pb _x)Ba ₂ Ca ₃ Cu ₄ O ₁₀	P4/mmm	129 K _(susc)	1,927(0) Å	?	?	single crystal X-ray	[248]	T _{c(mid)} =122 K
50.(PbHg-1223) (PbHg)Sr2Ca2Cu3O8								
(Hg _{0.66} Pb _{0.34})Ba ₂ Ca ₂ Cu ₃ O _{8.4}	P4/mmm	135 K _(zero)	1,9228(1) Å	?	?	x-ray/n powder diff	[120]	143 K _(onset)
(Hg _{0.45} Pb _{0.45} Cu _{0.1})(Sr _{0.74} Ba _{0.26}) ₂ (Ca _{0.91} Sr _{0.09}) ₂ Cu ₃ O _{8.31}	P4/mmm	116 K _(onset)	1,9159(4) Å	300 K	?	single crystal X-ray	[272]	two [CuO ₂] layers
Hg _{0.7} Pb _{0.3} Ba ₂ Ca ₂ Cu ₃ O _{8.45}	P4/mmm	135 K _(zero)	1,922285(3) Å	293 K	?	x-ray/n powder diff	[072]	143 K diamagnetic

52. (PbHg-1245) (PbHg)Ba₂Ca₄Cu₅O₁₂

(Pb _{0.5} Hg _{0.5})Ba ₂ Ca ₄ Cu ₅ O ₁₂	P4/mmm	115 K _(susc)	1,9265(3) Å	?	?	single crystal X-ray	[251]	Cu-O = a/2
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61. (PbHg-1402CO3) (PbHg)Sr₄Cu₂CO₃O₇

(Pb _{0.7} Hg _{0.3})Sr ₄ Cu ₂ CO ₃ O ₇	P4/mmm	70 K _(susc)	1,916(1) Å	?	?	X-ray powder diff	[242]	
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53. (PbHg-2212) (PbHg)Ba₂CaCu₂O₈

(Pb _{0.125} Hg _{0.875}) ₂ Ba ₂ (Y _{0.5} Ca _{0.5})Cu ₂ O ₈	I4/mmm	84 K _(susc)	1,9375(3) Å	293 K	?	neutron powder diff	[273]	
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Mixtures: Hg,Bi

54. (HgBi-1212) (HgBi)Sr₂CaCu₂O₆

(Hg _{0.8} Bi _{0.2})Sr ₂ CaCu ₂ O ₆	P4/mmm	121 K _(susc)	1,9283(3) Å	?	?	single crystal X-ray	[277]	Cu-O = a/2
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55. (HgBi-1223) (HgBi)Ba₂Ca₂Cu₃O₈

(Hg _{0.7} Bi _{0.3})Ba ₂ Ca ₂ Cu ₃ O _{8.55}	P4/mmm	116 K	1,915(3) Å	293 K	?	X-ray powder diff	[285]	
			1,9113(5) Å					

56. (HgBi-1234) (HgBi)Sr₂Ca₃Cu₄O₁₀

(Hg _{0.7} Bi _{0.3})Ba ₂ Ca ₂ Cu ₃ O _{8.55}	P4/mmm	96 K	1,926(1) Å	293 K	?	X-ray powder diff	[285]	
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Mixtures: Cu,Hg

57. (CuHg-1223) (CuHg)Ba₂Ca₂Cu₃O₈

(Hg _{0.92} Cu _{0.08})Ba ₂ Ca ₂ Cu ₃ O ₈	P4/mmm	133 K _(susc)	1,929(1) Å	?	?	single crystal X-ray	[258]	
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58. (CuHg-1245) (CuHg)Ba₂Ca₄Cu₅O₁₂

(Cu _{0.76} Hg _{0.24})Ba ₂ Ca ₄ Cu ₅ O _{12.74}	P4/mmm	98 K _(susc)	1,925(1) Å (x2)	?	?	single crystal X-ray	[260]	three [CuO ₂] layers
			1,926(1) Å (x1)					

Mixtures: Tl,Bi,Pb

59. (TlBiPb-1223) (TlBiPb)Sr₂Ca₂Cu₃O₉

(Tl _{0.6} Pb _{0.2} Bi _{0.2})(Sr _{1.8} Ba _{0.2})Ca ₂ Cu ₃ O ₉	P4/mmm	120,5 K _(susc)	1,908(1) Å	?	?	X-ray powder diff	[074]	
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Sr incl. infinite layer

65. (SrCa-0101) (SrCa)CuO₂

(Sr _{0.63} Ca _{0.27})CuO ₂	?	110 K	1,951 Å	296 K	?	X-ray diffraction	[319]	Cu-O = a/2
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66. (Sr₁La-0101) (SrLa)CuO₂

(Sr _{0.9} La _{0.1})CuO ₂	P4/mmm	42 K _(susc)	1,97534(6) Å	296 K	?	neutron powder diff	[318]	Cu-O = a/2
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67. (SrNd-0101) (SrNd)CuO₂

(Sr _{0.84} Nd _{0.16})CuO ₂	?	20.1 K _(zero)	1,972 Å	296 K	0 GPa	X-ray powder diff	[317]	Cu-O = a/2
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88. (YSrCa-0101) YSrCa₂Cu₄O_x

(Y _{0.25} Sr _{0.25} Ca _{0.5})CuO _x	?	101 K _(zero)	?	?	?	?	[340]	T _{c (onset)} = ~125 K
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89. (BaSrCa-0101) BaSrCa₂Cu₄O_x

(Ba _{0.25} Sr _{0.25} Ca _{0.5})CuO _x	?	90 K _(zero)	?	?	?	?	[340]	T _{c (onset)} = 120 K
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68. (Sr-0201) Sr₂CuO₃

Sr ₂ CuO ₃	I4/mmm	70 K _(susc)	1,882 Å	?	?	X-ray powder diff	[360]	Cu-O = a/2
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78. (Sr-0238) Sr₄Ca₆Cu₁₆O₂₈

(Sr _{3.66} Bi _{0.28})Ca _{6.02} Cu _{16.45} O _{28.63}	F222	80 K	1,910 Å	293 K	?	single crystal X-ray	[294]	
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77. (Sr-0302) Sr₃Cu₂O₅

Sr ₃ Cu ₂ O ₅	I4/mmm	100 K _(susc)	1,951 Å	?	?	X-ray powder diff	[360]	
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81. (Sr 0 10 0 17) (SrCa)₁₀Cu₁₇O₂₉

(SrCa) ₁₀ Cu ₁₇ O ₂₉	F222	80 K _(onset)	?	?	?	X-ray powder diff	[268]	
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La etc.

69. (LaNa-0201) (LaNa)₂CuO₄

(La _{1.7} Na _{0.3})CuO ₄	I4/mmm	20 K _(zero)	1,888(2) Å	293 K	?	X-ray powder diff	[187]	T _{c (onset)} = 40 K
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71. (LaPr-0201) LaPrCuO₄

(La _{0.8} Sr _{0.2})PrCuO ₄	?	24 K	?	?	?	?	[314]	
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72. (LaBa-0201) (LaBa)₂CuO₄

(La _{1.85} Ba _{0.15})CuO ₄	I4/mmm	35 K _(susc)	1,8936 Å	295 K	?	neutron powder diff	[143]	
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73. (LaSr-0201) (LaSr)₂CuO₄

(La _{1,91} Sr _{0,09})CuO ₄	F4/mmm	39 K _(susc)	1,8942(4) Å	293 K	?	neutron powder diff	[071]	High temp. tetragonal
(La _{1,85} Sr _{0,15})CuO ₄	I4/mmm	37,5 K	1.8896(1) Å	300 K	1 atm	neutron powder diff	[001]	

75.(La-0212) La₂CaCu₂O₆

(La _{1,7} Sr _{0,3})CaCuO ₆	I4/mmm	50 K _(susc)	1,9126(2) Å	298 K	?	neutron powder diff	[305]	Cu-O = a/2
(La _{1,85} Ba _{0,15})CaCuO ₆	I4/mmm	47 K	1,91652(6) Å	296 K	?	neutron powder diff	[303]	Cu-O = a/2

76.(La-0213) La₂CaCu₃O₇

(LaBa)CaCu ₃ O ₇	P4/mmm	80 K _(zero)	1,943 Å	300 K	?	X-ray powder diff	[309]	Cu-O=a/2; considerable difference between entries
(LaBa)CaCu ₃ O _{6,90}	P4/mmm	80 K _(susc)	1,932 Å	?	?	X-ray powder diff	[310]	

79.(LaBa-0336) La₃Ba₃Cu₆O₁₄

(La ₃ Ba ₃ Ca _x)Cu ₆ O _y	P4/mmm	80 K _(susc)	1,9350 Å	?	?	X-ray powder diff	[312]	Cu-O = a/2; 75 K _(zero)
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80.(LaBa-0347) La₃Ba₄Cu₇O₁₆

La ₃ (Ba _{2,9} Ca _{1,1})Cu ₇ O _y	?	82 K _(zero)	1,94 Å	296 K	?	X-ray powder diff	[313]	Cu-O = a/2; T _{c (onset)} = 86 K
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101.(LaNd-0201) (LaNd)₂CuO₄

(La _{1,48} Nd _{0,4} Sr _{0,12})CuO ₄	Bmab	4,3 K _(susc)	1,89057(7) Å	300 K	?	X-ray powder diff	[380]	Cu-O = [√(a ² +b ²)]/4
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Nd

70.(NdCe-0201) (NdCe)₂CuO₄

(Nd _{1,85} Ce _{0,15})CuO _{3,950}	I4/mmm	24 K _(susc)	1,9745(1) Å	300 K	1 atm.	neutron powder diff	[006]	“Zr-gettered” samples
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74.(NdSrCe-0201) (NdSrCe)₂CuO₄

(Nd _{1,32} Sr _{0,41} Ce _{0,27})CuO _{3,92}	P4/nmm	22 K _(susc)	1,9352(4) Å	?	?	TOF n powder	[026]	
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Oxohalides

82.(Sr-0201F) Sr₂CuO₂F₂

(Sr _{1,4} Ba _{0,6})CuO ₂ F _{2+x}	?	64 K _(susc)	1,937(2) Å	?	?	X-ray powder diff	[328]	
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84.(Sr-0212F) Sr₂NdCu₂O₅F

Sr ₂ (Nd _{0,2} Ca _{0,8})Cu ₂ O ₅ F	I4/mmm	85 K _(susc)	1,932(1) Å	?	?	X-ray powder diff	[255]	isostructural to La ₂ SrCu ₂ O ₆
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86.(Sr-0201Cl) Sr₂CuO₂Cl₂

$\text{Sr}_2\text{CuO}_2\text{Cl}_2$	I4/mmm	0 K _(zero)	1,986 Å	293 K	?	neutron powder diff	[295]	No SC down to 4,2 K
83,(Ca-0201F) $\text{Ca}_2\text{CuO}_2\text{F}_2$								
$\text{Ca}_2\text{CuO}_2\text{F}_2$	I4/mmm	0 K _(susc)	1,925(1) Å	?	?	neutron powder diff	[329]	No SC down to 4,2 K
87,(CaNa-0201Cl) $(\text{CaNa})_2\text{CuO}_2\text{Cl}_2$								
$(\text{Ca}_{1,92}\text{Na}_{0,08})_2\text{CuO}_2\text{Cl}_2$	I4/mmm	26 K _(susc)	1,9248(1) Å	293 K	?	neutron powder diff	[296]	

Au

98,(Au-1212) $\text{AuBa}_2\text{CaCu}_2\text{O}_7$

$\text{AuBa}_2(\text{Y}_{0,6}\text{Ca}_{0,4})\text{Cu}_2\text{O}_7$	Pmmm	82 K _(susc)	1,93(3) Å	?	?	X-ray powder diff	[383]	
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Y – two bond lengths

62,(Y-0213) $\text{Ba}_2\text{YCu}_3\text{O}_7$

$\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$	Pmmm	92 K _(zero)	1,924 Å x 1,959 Å y	293 K	1 atm.	X-ray powder diff	[009]	values taken from the figures
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63,(Y-0214) $\text{Ba}_2\text{YCu}_4\text{O}_8$

$\text{YBa}_2\text{Cu}_4\text{O}_8$	Ammm	83 K _(zero)	1,9350(6) Å 1,9501(8) Å	?	?	TOF n. powder dif	[042]	
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64,(Y-0427) $\text{Ba}_4\text{Y}_2\text{Cu}_7\text{O}_{15}$

$\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_{14+x}$	Ammm	4-91,5 K	1,824-1,885 Å	?	?	X-ray diffraction	[44]	x = 0:1,4 several $[\text{CuO}_2]$ layers
			1,929-1,942 Å					
			1,939-1,960 Å					
			2,258-2,350 Å					

Au – two bond lengths

99,(Au-1223) $\text{AuBa}_2\text{Ca}_2\text{Cu}_3\text{O}_9$

$\text{AuBa}_2\text{Ca}_2\text{Cu}_3\text{O}_9$	Pmmm/Pmm2	30 K _(susc)	1,9091(4) Å x	?	?	X-ray powder diff	[382]	Cu-O = a/2
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9. References to the Table.

ambient pressure

[001]	<i>Phys. Rev. B</i> , 35 (1987) 6716-6720	73. (LaSr-0201)
[002]	<i>Phys. Rev. B</i> , 35 (1987) 8778-8781	62. (Y-0213)
[003]	<i>Phys. Rev. B</i> , 37 (1988) 7960-7962	62. (Y-0213)
[004]	<i>Phys. Rev. B</i> , 38 (1988) 225-231	10. (Tl-2201) 14. (Bi-2201)
[005]	<i>Phys. Rev. B</i> , 38 (1988) 6624-6630	11. (Tl-2212) 13. (Tl-2223)
[006]	<i>Phys. Rev. B</i> , 40 (1989) 9370-9373	70. (NdCe-0201)
[007]	<i>Phys. Rev. B</i> , 41 (1990) 1863-1877	62. (Y-0213)
[008]	<i>Phys. Rev. B</i> , 42 (1990) 4228-4239	15. (Bi-2212) 17. (Bi-2302)
[009]	<i>Phys. Rev. B</i> , 44 (1991) 7601-7606	62. (Y-0213)
[010]	<i>Phys. Rev. B</i> , 45 (1992) 4885-4891	11. (Tl-2212) 13. (Tl-2223)
[011]	<i>Phys. Rev. B</i> , 49 (1994) 4163-4175	73. (LaSr-0201)
[012]	<i>Phys. Rev. B</i> , 50 (1994) 16033-16039	04. (Tl-1212) 10. (Tl-2201)
[013]	<i>Phys. Rev. B</i> , 51 (1995) 12747-12753	10. (Tl-2201)
[014]	<i>Phys. Rev. B</i> , 51 (1995) 15407-15414	22. (Hg-1223)
[015]	<i>Phys. Rev. B</i> , 52 (1995) 462-470	20. (Hg-1201)
[016]	<i>Phys. Rev. B</i> , 52 (1995) 15551-15557	22. (Hg-1223)
[017]	<i>Phys. Rev. B</i> , 55 (1997) 3966-3973	20. (Hg-1201)
[018]	<i>Phys. Rev. B</i> , 55 (1997) 12776-12783	20. (Hg-1201)
[019]	<i>Phys. Rev. B</i> , 59 (1999) 7209-7215	20. (Hg-1201)
[021]	<i>Physica C</i> , 152 (1988) 413-423	03. (Tl-1212)
[023]	<i>Physica C</i> , 153 (1988) 972-973	62. (Y-0213)
[024]	<i>Physica C</i> , 156 (1988) 97-102	10. (Tl-2201) 11. (Tl-2212) 13. (Tl-2223)
[025]	<i>Physica C</i> , 156 (1988) 587-591	05. (Tl-1223)
[026]	<i>Physica C</i> , 158 (1989) 440-448	74. (NdSrCe-0201)
[027]	<i>Physica C</i> , 159 (1989) 239-244	10. (Tl-2201)
[028]	<i>Physica C</i> , 165 (1990) 419-433	62. (Y-0213)
[029]	<i>Physica C</i> , 167 (1990) 579-590	64. (Y-0427)
[030]	<i>Physica C</i> , 169 (1990) 179-183	73. (LaSr-0201)
[031]	<i>Physica C</i> , 172 (1991) 413-422	11. (Tl-2212) 13. (Tl-2223)
[032]	<i>Physica C</i> , 173 (1991) 444-452	01. (Tl-1201) 72. (LaBa-0201) 73. (LaSr-0201) 97. (TlPb-1201)
[033]	<i>Physica C</i> , 175 (1991) 241-249	13. (Tl-2223)
[035]	<i>Physica C</i> , 183 (1991) 90-98	05. (Tl-1223)
[036]	<i>Physica C</i> , 195 (1992) 219-224	10. (Tl-2201)
[037]	<i>Physica C</i> , 197 (1992) 113-122	62. (Y-0213) 63. (Y-0214)
[038]	<i>Physica C</i> , 198 (1992) 203-208	10. (Tl-2201)
[039]	<i>Physica C</i> , 198 (1992) 309-317	16. (Bi-2223)
[040]	<i>Physica C</i> , 200 (1992) 167-174	13. (Tl-2223)
[041]	<i>Physica C</i> , 201 (1992) 53-57	12. (Tl-2234)
[042]	<i>Physica C</i> , 204 (1992) 147-154	63. (Y-0214)
[043]	<i>Physica C</i> , 205 (1993) 259-265	63. (Y-0214)
[044]	<i>Physica C</i> , 211 (1993) 165-178	64. (Y-0427)
[045]	<i>Physica C</i> , 212 (1993) 259-263	20. (Hg-1201)
[046]	<i>Physica C</i> , 212 (1993) 266-270	21. (Hg-1212)
[047]	<i>Physica C</i> , 214 (1993) 64-72	72. (LaBa-0201)
[048]	<i>Physica C</i> , 216 (1993) 29-35	21. (Hg-1212)
[049]	<i>Physica C</i> , 217 (1993) 265-272	22. (Hg-1223)
[050]	<i>Physica C</i> , 218 (1993) 348-355	21. (Hg-1212)
[051]	<i>Physica C</i> , 218 (1993) 356-364	21. (Hg-1212)
[052]	<i>Physica C</i> , 220 (1994) 41-49	63. (Y-0214)
[053]	<i>Physica C</i> , 220 (1994) 389-395	21. (Hg-1212) 41. (TlPb-1212)

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[054]	<i>Physica C</i> , 221 (1994) 1-10	20. (Hg-1201) 21. (Hg-1212) 22. (Hg-1223)
[055]	<i>Physica C</i> , 221 (1994) 304-310	43. (TlPb-1223)
[056]	<i>Physica C</i> , 222 (1994) 375-385	14. (Bi-2201)
[057]	<i>Physica C</i> , 223 (1994) 283-290	12. (Tl-2234)
[058]	<i>Physica C</i> , 225 (1994) 307-316	13. (Tl-2223)
[059]	<i>Physica C</i> , 226 (1994) 216-221	21. (Hg-1212) 22. (Hg-1223)
[060]	<i>Physica C</i> , 229 (1994) 331-345	11. (Tl-2212)
[062]	<i>Physica C</i> , 230 (1994) 153-158	06. (Tl-1234)
[063]	<i>Physica C</i> , 235 (1994) 891-892	22. (Hg-1223)
[064]	<i>Physica C</i> , 242 (1995) 385-392	10. (Tl-2201)
[065]	<i>Physica C</i> , 243 (1995) 1-9	20. (Hg-1201)
[067]	<i>Physica C</i> , 246 (1995) 241-252	14. (Bi-2201)
[069]	<i>Physica C</i> , 250 (1995) 15-24	10. (Tl-2201) 11. (Tl-2212)
[070]	<i>Physica C</i> , 250 (1995) 213-221	22. (Hg-1223)
[071]	<i>Physica C</i> , 254 (1995) 233-248	73. (LaSr-0201)
[072]	<i>Physica C</i> , 261 (1996) 189-195	50. (PbHg-1223)
[073]	<i>Physica C</i> , 267 (1996) 31-44	13. (Tl-2223)
[074]	<i>Physica C</i> , 267 (1996) 93-105	43. (TlPb-1223) 59. (TlBiPb-1223)
[075]	<i>Physica C</i> , 268 (1996) 257-265	20. (Hg-1201)
[076]	<i>Physica C</i> , 270 (1996) 51-67	72. (LaBa-0201)
[077]	<i>Physica C</i> , 270 (1996) 267-273	43. (TlPb-1223)
[078]	<i>Physica C</i> , 273 (1996) 99-106	62. (Y-0213)
[079]	<i>Physica C</i> , 275 (1997) 87-92	20. (Hg-1201)
[080]	<i>Physica C</i> , 276 (1997) 281-288	20. (Hg-1201)
[081]	<i>Physica C</i> , 277 (1997) 170-182	10. (Tl-2201)
[082]	<i>Physica C</i> , 297 (1998) 201-210	41. (TlPb-1212)
[086]	<i>Acta Chim. Scand.</i> , 46 (1992) 1059-1064	63. (Y-0214)
[089]	<i>Acta cryst. B</i> , 52 (1996) 38-53	15. (Bi-2212)
[090]	<i>Acta cryst. C</i> , 47 (1991) 1143-1145	63. (Y-0214)
[094]	<i>Chem. commun.</i> , 1997 (1997) 435-436	10. (Tl-2201)
[100]	<i>Europhys. Lett.</i> , 3 (1987) 1035-1040	73. (LaSr-0201)
[101]	<i>Europhys. Lett.</i> , 3 (1987) 1301-1307	62. (Y-0213)
[102]	<i>Inorg. Chem.</i> , 26 (1987) 1190-1192	73. (LaSr-0201)
[103]	<i>Inorg. Chem.</i> , 26 (1987) 3191-3193	62. (Y-0213)
[104]	<i>Jpn. J. Appl. Phys.</i> , 26 (1987) 363-365	72. (LaBa-0201) 73. (LaSr-0201)
[105]	<i>Jpn. J. Appl. Phys.</i> , 27 (1988) 1661-1664	14. (Bi-2201) 15. (Bi-2212) 17. (Bi-2302)
[106]	<i>Jpn. J. Appl. Phys.</i> , 28 (1989) 382-385	10. (Tl-2201) 11. (Tl-2212) 13. (Tl-2223)
[110]	<i>J. Mater. Res.</i> , 3 (1988) 819-824	62. (Y-0213)
[111]	<i>J. Phys.: Condens. Matter.</i> , 6 (1994) 3539-3551	15. (Bi-2212)
[112]	<i>J. Phys.: Condens. Matter.</i> , 9 (1997) 1451-1460	22. (Hg-1223)
[113]	<i>J. Phys. D: Appl. Phys.</i> , 21 (1988) 1031-1034	11. (Tl-2212)
[118]	<i>J. Solid State Chem.</i> , 109 (1994) 321-332	10. (Tl-2201) 11. (Tl-2212)
[119]	<i>J. Solid State Chem.</i> , 122 (1996) 221-230	20. (Hg-1201) 21. (Hg-1212) 22. (Hg-1223) 23. (Hg-1234)
[120]	<i>J. Supercond.</i> , 15 (2002) 225-229	50. (PbHg-1223)
[121]	<i>J. Phys. Soc. Jpn.</i> , 72 (2003) 2924-2929	16. (Bi-2223)
[123]	<i>Kriсталlografiya</i> , 35 (1990) 498-500	73. (LaSr-0201)
[124]	<i>Kriсталlografiya</i> , 36 (1991) 217-218	62. (Y-0213)
[127]	<i>Mater. Res. Bull.</i> , 23 (1988) 1439-1445	62. (Y-0213)
[128]	<i>Mater. Res. Bull.</i> , 24 (1989) 883-888	41. (TlPb-1212)
[137]	<i>Nature</i> , 327 (1987) 687-689	62. (Y-0213)
[138]	<i>Nature</i> , 328 (1987) 606-607	62. (Y-0213)
[139]	<i>Nature</i> , 332 (1988) 420-422	11. (Tl-2212)

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[140]	<i>Nature</i> , 362 (1993) 226-228	20. (Hg-1201)
[142]	<i>Phys. Status Solidi</i> , 114 (1989) 651-1989	02. (Tl-2233) 94. (Tl-2243) 95. (Tl-4476)
[143]	<i>Phys. Rev. Lett.</i> , 58 (1987) 1024-1027	72. (LaBa-0201)
[148]	<i>Solid State Commun.</i> , 64 (1987) 757-760	62. (Y-0213)
[149]	<i>Solid State Commun.</i> , 65 (1988) 1121-1123	62. (Y-0213)
[150]	<i>Solid State Commun.</i> , 66 (1988) 1117-1125	62. (Y-0213)
[151]	<i>Solid State Commun.</i> , 73 (1990) 791-795	70. (NdCe-0201)
[180]	<i>Science</i> , 240 (1988) 631-634	13. (Tl-2223)
[181]	<i>Physica C</i> , 246 (1995) 297-308	15. (Bi-2212)
[182]	<i>Science</i> , 239 (1988) 1015-1017	15. (Bi-2212) 17. (Bi-2302)
[183]	<i>J. Supercond.</i> , 11 (1998) 117-118	22. (Hg-1223) 23. (Hg-1234)
[184]	<i>Physica C</i> , 279 (1997) 11-17	22. (Hg-1223) 23. (Hg-1234)
[185]	<i>Physica C</i> , 246 (1995) 203-206	37. (TlHg-1223)
[186]	<i>Superconduct. Sci. Techn.</i> , 2 (1989) 224-29	46. (PbBi-2223) 47. (PbBi-2234)
[187]	<i>Science</i> , 240 (1988) 495-497	69. (LaNa-0201)
[200]	<i>Acta Chim. Scand.</i> , 46 (1992) 122-125	33. (Pb-2213)
[202]	<i>Acta cryst. C</i> , 58 (2002) i126-i128	38. (TlHg-2212)
[205]	<i>Chin. J. Phys.</i> , 31 (1993) 1121-1126	48. (PbHg-1201) 49. (PbHg-1212)
[207]	<i>J. Alloys Compd.</i> , 333 (2002) 237-248	05. (Tl-1223) 13. (Tl-2223)
[210]	<i>J. Phys. Soc. Jpn.</i> , 61 (1992) 881-890	33. (Pb-2213)
[211]	<i>J. Phys. Chem. Sol.</i> , 56 (1995) 1471-1478	27. (Hg-2212)
[212]	<i>J. Phys.: Condens. Matter.</i> , 8 (1996) 3647-3652	50. (PbHg-1223)
[215]	<i>J. Solid State Chem.</i> , 143 (1999) 277-284	25. (Hg-1256) 26. (Hg-1267)
[216]	<i>J. Solid State Chem.</i> , 153 (2000) 106-117	38. (TlHg-2212)
[217]	<i>J. Supercond.</i> , 11 (1998) 471-479	22. (Hg-1223) 37. (TlHg-1223)
[220]	<i>Mater. Res. Bull.</i> , 27 (1992) 1153-1159	45. (PbBi-2212)
[225]	<i>Nature</i> , 369 (1994) 382-384	68. (Sr-0201) 82. (Sr-0201F)
[226]	<i>Physica C</i> , 156 (1988) 230-230	15. (Bi-2212)
[227]	<i>Physica C</i> , 157 (1989) 460-468	04. (Tl-1212) 41. (TlPb-1212)
[228]	<i>Physica C</i> , 157 (1989) 515-519	15. (Bi-2212)
[229]	<i>Physica C</i> , 159 (1989) 201-209	28. (Pb-1212)
[230]	<i>Physica C</i> , 167 (1990) 291-296	16. (Bi-2223) 46. (PbBi-2223)
[231]	<i>Physica C</i> , 173 (1991) 267-273	15. (Bi-2212) 45. (PbBi-2212)
[232]	<i>Physica C</i> , 175 (1991) 293-300	33. (Pb-2213)
[233]	<i>Physica C</i> , 175 (1991) 393-400	28. (Pb-1212)
[234]	<i>Physica C</i> , 197 (1992) 283-298	45. (PbBi-2212)
[236]	<i>Physica C</i> , 215 (1993) 371-374	19. (Bi-4413)
[237]	<i>Physica C</i> , 216 (1993) 257-263	54. (HgBi-1212)
[238]	<i>Physica C</i> , 216 (1993) 264-272	21. (Hg-1212)
[239]	<i>Physica C</i> , 218 (1993) 43-50	33. (Pb-2213)
[241]	<i>Physica C</i> , 222 (1994) 13-18	49. (PbHg-1212)
[242]	<i>Physica C</i> , 222 (1994) 19-26	49. (PbHg-1212) 61. (PbHg-1402CO3)
[243]	<i>Physica C</i> , 227 (1994) 1-9	24. (Hg-1245) 25. (Hg-1256)
[244]	<i>Physica C</i> , 230 (1994) 389-396	28. (Pb-1212)
[245]	<i>Physica C</i> , 231 (1994) 357-366	29. (Pb-1213)
[246]	<i>Physica C</i> , 232 (1994) 387-395	35. (TlBi-1212)
[247]	<i>Physica C</i> , 235 (1994) 158-161	?
[248]	<i>Physica C</i> , 243 (1995) 10-18	51. (PbHg-1234)
[249]	<i>Physica C</i> , 247 (1995) 125-132	49. (PbHg-1212)
[250]	<i>Physica C</i> , 253 (1995) 109-114	36. (TlBi-1223)
[251]	<i>Physica C</i> , 254 (1995) 7-14	52. (PbHg-1245)
[253]	<i>Physica C</i> , 266 (1996) 261-270	30. (Pb-1223)

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[255]	<i>Physica C</i> , 269 (1996) 5-14	84. (Sr-0212F)
[257]	<i>Physica C</i> , 273 (1997) 198-204	38. (TlHg-2212)
[258]	<i>Physica C</i> , 276 (1997) 270-276	22. (Hg-1223) 57. (CuHg-1223)
[259]	<i>Physica C</i> , 281 (1997) 228-236	38. (TlHg-2212)
[260]	<i>Physica C</i> , 281 (1997) 237-243	24. (Hg-1245) 34. (Cu-1245) 58. (CuHg-1245)
[261]	<i>Physica C</i> , 282 (1997) 849-850	07. (Tl-1245)
[262]	<i>Physica C</i> , 282 (1997) 911-912	38. (TlHg-2212)
[263]	<i>Physica C</i> , 291 (1997) 155-169	19. (Bi-4413)
[264]	<i>Physica C</i> , 294 (1998) 169-175	33. (Pb-2213)
[266]	<i>Physica C</i> , 299 (1998) 249-255	31. (Pb-1234)
[267]	<i>Physica C</i> , 301 (1998) 39-47	39. (TlHg-2223)
[268]	<i>Physica C</i> , 311 (1999) 187-196	81. (Sr 0 10 0 17)
[269]	<i>Physica C</i> , 314 (1999) 27-35	38. (TlHg-2212)
[270]	<i>Physica C</i> , 314 (1999) 219-227	38. (TlHg-2212)
[271]	<i>Physica C</i> , 329 (2000) 267-278	16. (Bi-2223) 85. (Bi-2223F)
[272]	<i>Physica C</i> , 338 (2000) 67-71	50. (PbHg-1223)
[273]	<i>Physica C</i> , 377 (2002) 146-155	53. (PbHg-2212)
[275]	<i>Phys. Rev. B</i> , 44 (1991) 4553-4559	29. (Pb-1213)
[276]	<i>Phys. Rev. B</i> , 51 (1995) 9261-9270	28. (Pb-1212)
[277]	<i>Phys. Rev. B</i> , 54 (1996) 16246-15253	54. (HgBi-1212) 55. (HgBi-1223)
[280]	<i>Science</i> , 242 (1988) 249-252	41. (TlPb-1212) 43. (TlPb-1223)
[283]	<i>Superconduct. Sci. Techn.</i> 7 (1994) 685-690	43. (TlPb-1223)
[284]	<i>Superconduct. Sci. Techn.</i> 9 (1996) 706-712	21. (Hg-1212)
[285]	<i>Superconduct. Sci. Techn.</i> 12 (1999) 1168-1174	55. (HgBi-1223) 56. (HgBi-1234)
[286]	<i>Superconduct. Sci. Techn.</i> 15 (2002) 1048-1053	29. (Pb-1213)
[294]	<i>Z. Kristall.</i> , 215 (2000) 368-372	78. (Sr-0238)
[295]	<i>Phys. Rev. B</i> , 41 {1990} 1921-1925	86. (Sr-0201Cl)
[296]	<i>Phys. Rev. B</i> , 51 (1995) 8434-8437	87. (CaNa-0201Cl)
[297]	<i>Phys. Rev. B</i> , 56 (1997) 2831-2835	82. (Sr-0201F)
[301]	<i>Physica C</i> , 181 (1991) 68-74	17. (Bi-2302)
[302]	<i>Mod. Phys. Lett.</i> , 22 (1990) 1385-1391	18. (Bi-4334)
[303]	<i>Solid State Commun.</i> , 81 (1992) 677-681	75. (La-0212)
[304]	<i>Mater. Lett.</i> , 17 (1993) 4-8	44. (PbBi-1112)
[305]	<i>Physica C</i> , 213 (1993) 455-470	75. (La-0212)
[306]	<i>Physica C</i> , 179 (1991) 39-42	75. (La-0212)
[307]	<i>Physica C</i> , 174 (1991) 187-194	75. (La-0212)
[308]	<i>Physica C</i> , 198 (1992) 231-236	76. (La-0213)
[309]	<i>Physica C</i> , 156 (1988) 126-132	76. (La-0213)
[310]	<i>Physica C</i> , 173 (1991) 453-457	76. (La-0213)
[311]	<i>Physica C</i> , 208 (1993) 143-148	79. (LaBa-0606)
[312]	<i>Physica C</i> , 176 (1991) 451-456	79. (LaBa-0606)
[313]	<i>Physica C</i> , 212 (1993) 32-36	80. (LaBa-0707)
[314]	<i>Physica C</i> , 182 (1991) 149-152	71. (LaPr-0201)
[315]	<i>Physica C</i> , 203 (1992) 369-377	70. (NdCe-0201)
[316]	<i>Physica C</i> , 184 (1991) 311-315	32. (Pb-2202)
[317]	<i>Physica C</i> , 192 (1992) 13-17	67. (SrNd-0101)
[318]	<i>Phys. Rev. B</i> , 47 (1993) 14654-14656	66. (SrLa-0101)
[319]	"HTS materials...", (1992) 58-63	65. (SrCa-0101)
[320]	<i>Physica C</i> , 178 (1991) 193-196	01. (Tl-1201) 97. (TlPb-1201)
[321]	<i>Physica C</i> , 253 (1995) 71-78	04. (Tl-1212)
[322]	<i>Physica C</i> , 202 (1992) 199-208	04. (Tl-1212)
[323]	<i>Physica C</i> , 208 (1993) 253-258	08. (Tl-1302)

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[324] <i>Physica C</i> , 206 (1993) 81-89	42. (TlPb-1222)
[325] <i>Physica C</i> , 212 (1993) 274-278	40. (TlHg-3402)
[326] <i>Physica C</i> , 179 (1991) 1-8	09. (Tl-1402)
[327] <i>Physica C</i> , 205 (1993) 219-224	60. (TlPb-1402CO ₃)
[328] <i>Physica C</i> , 241 (1995) 151-157	82. (Sr-0201F)
[329] <i>J. Mater. Chem.</i> 5 (1995) 913-916	83. (Ca-0201F)
[340] http://superconductors.org/inflayer.htm	88. (YSrCa-0011) 89. (Basra-0011)
[341] http://superconductors.org/PbHighTc.htm	90. (Pb-3436)
[350] <i>Superlatt Microstr.</i> , 22 (1997) 613-616	93. (Bi-2201)
[351] <i>Physica C</i> , 199 (1992) 321-327	92. (Bi-2212)
[352] <i>Crystal Res. Tech.</i> , 30 (1995) 451-456	91. (Hg-1212)
[360] <i>Nature</i> , 364 (1993) 315-317	77. (Sr-0302)
[361] <i>Physica C</i> , 152 (1988) 217-222	17. (Tl-1112)
[362] <i>Physica C</i> , 152 (1988) 223-227	96. (Tl-5526)
[363] <i>Physica C</i> , 152 (1988) 228-230	18. (Bi-4334)
[380] <i>Phys. Rev. B</i> , 71 (2005) 104513	101. (LaNd-0201)
[392] <i>J. Appl. Phys.</i> , 38 (1999) L283-L285	102. (Pb-1201)
[393] <i>J. Phys. Soc. Jpn.</i> , 71 (2002) 790-796	103. (Fe-1212)
[394] www.freepatentsonline.com/4858511.html	104. (Bi-1112)

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[016] <i>Phys. Rev. B</i> , 52 (1995) 15551-15557	22. (Hg-1223)
[019] <i>Phys. Rev. B</i> , 59 (1999) 7209-7215	20. (Hg-1201)
[030] <i>Physica C</i> , 169 (1990) 179-183	73. (LaSr-0201)
[054] <i>Physica C</i> , 221 (1994) 1-10	20. (Hg-1201) 21. (Hg-1212) 22. (Hg-1223)
[079] <i>Physica C</i> , 275 (1997) 87-92	20. (Hg-1201)
[308] <i>Physica C</i> , 198 (1992) 231-236	76. (La-0213)
[317] <i>Physica C</i> , 192 (1992) 13-17	67. (SrNd-0101)
[370] <i>Phys. Rev. B</i> , 50 (1994) 4260	22. (Hg-1223)
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