
anglefinder

version 0.11 based on pymatgen version 2019.9.16

Search criteria:

d atom: Cu

ligand: O

maximal distance between a d atom and a ligand: 2.100

maximal distance between d atoms: 3.100

minimal number of common ligands: 2

minimal d-ligand-d angle: 93.60

maximal d-ligand-d angle: 94.00

compound	cif file	d-ligand-d angles
<i>Cu₂BH₅O₆</i>	054883.cif	93.98 97.17 97.37 99.59
<i>Sr_{3.72}Nd_{0.28}Cu₄O₈</i>	075842.cif	93.87
<i>Na₂Cu₅(W₂O₁₃)₆</i>	420587.cif	93.99
<i>Al_{5.08}Fe_{2.92}Cu₈As₈O₄₈</i>	158357.cif	91.80 92.43 93.91 95.29
<i>Rb₂V₆CdCu₉O₂₆</i>	406788.cif	93.45 93.99 96.78 100.80
<i>CuSiO₃</i>	089669.cif	93.73
<i>V₄Cu₉(ClO₉)₂</i>	190682.cif	88.96 91.92 92.68 93.36 93.63 93.78 95.31
<i>Cu₂SO₅</i>	061513.cif	93.63
<i>BaV₂(CuO₄)₂</i>	033804.cif	93.67
<i>Al_{5.08}Fe_{2.92}Cu₈As₈O₄₈</i>	005030.cif	91.80 92.43 93.91 95.29
<i>Na₅(CuO₂)₃</i>	185337.cif	93.12 93.66 94.12 94.38 95.67 97.20
<i>K₃FeCu₇(AsO₅)₄</i>	257353.cif	93.98 96.59 96.82 98.49
<i>Y₂Cu₂O₅</i>	202877.cif	92.54 93.65
<i>V₂(CuO₂)₅</i>	002557.cif	91.91 92.39 93.68 96.20 99.42
<i>Li₂CuO₂</i>	067151.cif	93.74
<i>Cu₃NiP₂O₉</i>	425977.cif	93.76 100.16

compound	cif file	d-ligand-d angles
$Ca_2Cu_2Si(WO_7)_8$	249629.cif	93.81 99.29
Li_2CuO_2	067204.cif	93.97
$Ca_{9.6}Pr_{6.4}Cu_{20}O_{40}$	099569.cif	86.87 87.45 89.89 92.33 93.87 93.89 93.93 96.13 98.37 98.62
$Cu_4Se_3O_{10}$	060654.cif	92.22 92.52 93.76 93.93 99.76 100.36 100.47 101.74 101.78 102.20 103.04 105.53
$H_{02}Cu_2O_5$	079428.cif	92.14 93.78
$K_2Cu_5H_8(Cl_4O_3)_2$	055096.cif	93.78 95.60
$V_2Cu_5(HO_3)_4$	054831.cif	93.66 99.84 101.78
$KCu_4(PO_4)_3$	065123.cif	93.93 97.25
$K_4Cu_4Si_2W_{16}O_{81}$	159481.cif	93.89 99.59
Cu_3AsO_7	068456.cif	93.61 99.93
$NaCu_5Se_2Cl_3O_8$	264483.cif	90.79 93.60 95.87 101.41
$Cu_5(PO_6)_2$	010418.cif	93.64 95.45 96.68
Cu_2CO_5	262802.cif	93.68 98.12
$Li_{3.6}V_4Cu_{3.996}O_{16}$	072847.cif	93.84
$Ca_{10}Pr_4Cu_{24}O_{41}$	099568.cif	68.82 86.85 87.53 88.00 89.14 89.80 90.24 90.39 90.95 93.76
$Ca_4Cu_4As_{1.8}P_{2.2}O_{20}$	247659.cif	93.96 95.04
$Ca_{9.6}Pr_{6.4}Cu_{20}O_{40}$	054900.cif	86.87 87.45 89.89 92.33 93.87 93.89 93.93 96.13 98.37 98.62
$Cu_4As_2O_9$	239832.cif	18.47 18.70 19.13 92.81 93.69 93.72 94.04 95.23 98.24 100.47
$Cu_{27}P_6H_{163}W_{60.5}C_{42}N_{38}O_{270}$	238771.cif	93.91 94.28 94.35 96.93 98.16 100.02
Li_2CuO_2	202996.cif	93.89
$CuMoO_4$	190443.cif	93.79 96.66
$Cu_3NiP_2O_9$	380494.cif	93.75 100.17

compound	cif file	d-ligand-d angles
$Cu_{3.788}H_8Pb_{3.868}Se_{1.7}S_{2.3}O_{22}$	182701.cif	92.70 93.77 94.60 95.48
$Cu_9Se_4(Cl_3O_7)_2$	091804.cif	93.77 94.57 97.25 98.81
$Cu_{12}Bi_2As_6O_{37.9998}$	050062.cif	93.77 97.49 100.60 101.98
$Tm_2Cu_2O_5$	069329.cif	92.30 93.95
$Sr_{11.7}Ca_{27.7}Nd_{14.64}Y_{5.36}Cu_{92.6}O_{164}$	039941.cif	59.45 70.27 74.63 78.41 79.82 80.53 85.04 85.74 87.52 87.99 88.37 89.02 89.10 89.26 89.69 90.05 91.35 93.82 97.29 97.83 110.10 114.20
Li_2CuO_2	067205.cif	93.96
$Cu_3H_{30}C_{10}S_3N_4O_{15}$	248823.cif	93.93
$Na_5(CuO_2)_3$	422413.cif	93.13 93.68 94.13 94.43 95.68 97.22
$ZnCu_2PO_8$	188025.cif	93.63 97.10 98.08
$MnCu_4H_{14}(SO_9)_2$	030797.cif	93.91 102.04
Cu_3AsO_7	087869.cif	93.74 96.38 96.47 97.04
$Cu_2Pb_2Se_2O_{11}$	068172.cif	92.43 92.64 93.71 94.66

Searching in a pool of 719 cif files.

Warnings:

Structure 158337.cif is corrupt.
 Structure 158336.cif is corrupt.
 Structure 071825.cif is corrupt.
 Structure 068662.cif is corrupt.
 Structure 085128.cif is corrupt.
 Structure 158338.cif is corrupt.