# Triply periodic surfaces based on metal-organic frameworks

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# Supporting Information

**Table S1**. List of the CSD reference codes for the 937 metal-organic frameworks

| CSD Code | Composition |
|---|---|
| ACEMAA | C38 H22 Cu3 F2 N9 O4 |
| ACEMEE | C38 H24 Cu3 N9 O4 |
| ACUFEK | C216 H280 Cu12 N24 O116 S12 |
| ACUSID | C123 H88 Cd4 N12 O28 S8 |
| ADASAB | C196 H108 Cu22 N37 O78 |
| ADASEF | C180 H132 Cu24 N48 O76 |
| ADATAC | C102 H72 N12 O36 Zn6 |
| ADATIK | C96 H96 Cu12 N30 O56 |
| ADIPAI | C42 H50 Cu3 N11 O12 |
| ADUJER | C24 H17 Cl2 N9 Ni1 |
| ADUROI | C24 H29 N4 O11.5 Zn1 |
| ADUWON | C129 H183 N9 Ni3 O60 |
| AGOFEJ | C140 H188 Cu6 N30 O38 |
| AGUVOO | C48 H56 Cu6 F24 N48 O30 |
| ALULEZ | C144 H289 Ce3 N12 O83 S30 |
| ANUGEW | C84 H56 Cu6 O30 |
| ANUGIA | C28 H18 Cu2 O10 |
| ANUGOG | C28 H18 Cu2 O10 |
| ARUYUH01 | C6 H24 N2 O12 P4 Zn3 |
| ATEYED | C56 H92 Co2 N16 O26 S2 |
| AVAJUE | C78 H54 Cu3 N2 O15 |
| AVAKAL | C78 H54 Cu3 N2 O15 |
| AVAKEP | C96 H78 Cu3 N2 O15 |
| AVETAY | C56 H50 N4 O24 Zn3 |
| AWOREM02 | C16 H24 N10 Ni1 |
| AWOROW01 | C16 H24 Co1 N10 |
| AWORUC01 | C16 H24 Mn1 N10 |
| AXAFIO | C36 H24 Cu2 N6 O12 Ru1 |
| AXINAX01 | C162 H138 Co11 O60 |
| AZUHUB | C20 H17 Fe1 N1 O14 P2 Zn2 |
| AZUJAJ | C16 H8 Cu1 O14 P2 Zn2 |
| AZUJIR | C20 H17 Co1 N1 O14 P2 Zn2 |
| BADYAJ | C54 H48 N14 O16 Tb2 |
| BALWUK | C18 H10 N2 Ni1 O4 |
| BAZCOW | C26 H22 Cl2 Cr1 In1 Mn1 N4 O14 |
| BAZCUC | C26 H22 Br2 Cr1 Fe1 Mn1 N4 O14 |
| BAZDAJ | C26.5 H23.5 Cl2 Cr1 Fe1 Mn1 N4.5 O15 |
| BAZFUF | C108 H72 Cu6 O30 |
| BAZFUF01 | C108 H72 Cu6 O30 |
| BAZGAM | C180 H120 Cu6 O30 |
| BAZGEQ | C168 H108 Cu6 N12 O30 |
| BEDYEQ | C48 H32 Cl1 Fe1 N4 O16 Zr3 |
| BEGZAS | C22 H16 Cu1 N4 O4 |
| BEGZEW | C66 H48 Cu3 N12 O12 |
| BEWCUD | C103 H83 N5 O29 Zn5 |
| BIBXOB | C55.5 H89.5 N14.5 Ni4 O28 |
| BICPUA | C66 H42 O16 Yb3 |
| BIDPAH | C56 H95 In1 N6 O16 |
| BIDPOV | C30 H16 Cu2 O10 |
| BIGZUO | C36 H32 Ag3 Cr3 N10 O29 |
| BIHBAX | C72 H62 Ag6 B1 Cr6 F4 N15 O42 |
| BIHROC | C62 H66 Cu3 N2 O23 |
| BINROH | C148 H202 Cu3 N14 O29 |
| BINRUN | C126 H160 N16 O31 Zn3 |
| BINSAU | C78 H48 Mn3 O15 |
| BIPSUQ | C80 H52 Cu7 N4 O30 |
| BIXVIQ | C24 H12 Cu3 N18 |
| BOCFIL | C104 H96 Ag4 B12 F48 N40 O4 Pt4 |
| BOCKOW | C330 H228 N24 O78 Zn24 |
| BOMBAJ | C27 H20 Co2 N4 O8 |
| CADYUF | C12 H4 Mn2 O6 |
| CAHWAN | C16 H20 Ag1 B1 N8 |
| CATZIJ | C42 H28 Fe3 O16 |
| CAVPUM | C141 H93 N7 O26 Zn6 |
| CAXVII | C8 H2 D2.66 Fe2 O6 |
| CAXVOO | C8 H2 D8.64 Fe2 O6 |
| CAZGOZ | C120 H148 Fe4 Mo12 N24 O76 |
| CEFNEJ | C60 H30 Cu3 O15 |
| CEFNIN | C84 H54 Cu3 O15 |
| CEFNOT | C96 H54 Cu3 O15 |
| CEMBII | C63 H42 O22 Zr2 |
| CENQAP | C205 H280 N32 O46 Zn4 |
| CIMFUB | C6 H4 N6 O4 Zn1 |
| CIPKEV | C14 H28 Bi1 K1 N8 O18 |
| CIPMIB | C14 H28 Bi1 Cs1 N8 O18 |
| CIRRED | C43 H21 Co3 N2 O14 |
| CIRTUU | C159 H255 Cu6 N3 O63 S36 |
| COCMOY | C128 H200 Cl1 Mn4 N56 O24 Si2 |
| CODPIX | C8 H2 D14.24 Co2 O6 |
| CODPOD | C8 H2 D5.38 Co2 O6 |
| CODQAQ | C8 H2 D4.16 Co2 O6 |
| CODQEU | C8 H2 D4.54 Co2 O6 |
| COJHIT | C44 H64 Co2 N12 O6 |
| COKNIB | C8 H2 Cu2 O6 |
| COKNIB01 | C8 H2 Cu2 O6 |
| COKNIB02 | C8 H2 Cu2 O6 |

| CSD Code | Composition |
|---|---|
| COKNIB03 | C8 H2 Cu2 O6 |
| COKNOH | C8 H2 Fe2 O6 |
| COKNOH01 | C8 H2 Fe2 O6 |
| COKNUN | C8 H2 Mn2 O6 |
| COKNUN01 | C8 H2 Mn2 O6 |
| COKNUN02 | C8 H2 Mn2 O6 |
| COKNUN03 | C8 H2 Mn2 O6 |
| CONBIT | C46 H34 Co2 N6 O9 |
| COZLIP | C10 H6 N4 Zn1 |
| COZLUB | C10 H6 Cd1 N4 |
| CUBBEI | C42 H34 O12 Zn3 |
| CUCFOX | C16 H22 N12 O8 Zn1 |
| CUFFAL | C84 H120 In3 N3 O24 |
| CUFRUQ | C36 H24 Cr1 Li1 N6 O12 Ru1 |
| CUFSAX | C36 H24 Co1 Cr1 Li1 N6 O12 |
| CUFSAX01 | C36 H24 Co1 Cr1 Li1 N6 O12 |
| CUHNID | C64 H124 Mo12 N3 O50 P1 Zn4 |
| CUMMEE | C36 H18 Cd2 N6 O12 Ru1 |
| CUSYAR | C58 H28 O13 Zn4 |
| CUVTOD | C78 H111 N15 O25 Zn4 |
| DABWUA | C32 H20 Cu2 N8 O8 |
| DABWUA01 | C32 H20 Cu2 N8 O8 |
| DAGFUP | C12 H27 Ag3 Br6 N4 |
| DAGGAW | C12 H27 Ag3 Br6 N4 |
| DAGGIE | C12 H27 Ag3 I6 N4 |
| DANWAS | C9 H4 N12 Zn1 |
| DAPBAZ | C137 H97.84 N5.28 O92.36 Zn18.66 |
| DAPXID | C30 H96.5 Cu3 Mn2 N6 Na2 O60.25 |
| DAWMIB | C46 H70 B2 Cu2 Fe1 N10 O24 |
| DAWMUL | C288 H144 Cu12 O48 |
| DEFWUK | C41 H49 Co2 N5 O16 |
| DEMZII | C30 H50 In1 N5 O17 |
| DEYVUA | C13 H7 N1 O4 Zn1 |
| DEZGOI | C14 H34 I6 N4 O1 Rb2 |
| DIDBID | C24 H16 Co1 N2 O4 |
| DIDDOK | C46 H48 N4 O16 Zn2 |
| DIHRIY | C48 H30 Eu2 N12 O12 |
| DITJOH | C53 H32 O16 Zr3 |
| DIZQEL | C42 H30 In1 N3 O8 |
| DODBUV | C48 H34 N4 O16 Zr3 |
| DOLDEO | C160 H508 Mn12 N40 O356 Si7 W72 |
| DOQHAV | C94 H110 N4 O20 Zn3 |
| DORNAB | C144 H84 Cu12 N4 O60 |
| DOTSOV | C36 H12 Cu6 O24 |
| DOTSOV01 | C36 H12 Cu6 O24 |
| DOTSOV02 | C36 H12 Cu6 O24 |
| DOTSOV03 | C36 H12 Cu6 O24 |
| DOTSOV04 | C36 H12 Cu6 O24 |
| DOTSOV05 | C36 H12 Cu6 O24 |
| DOTSOV06 | C36 H12 Cu6 O24 |
| DOTSOV07 | C36 H12 Cu6 O24 |
| DOTSOV08 | C36 H12 Cu6 O24 |
| DOTSOV09 | C36 H12 Cu6 O24 |
| DOTSOV10 | C36 H12 Cu6 O24 |
| DOTSOV11 | C36 H12 Cu6 O24 |
| DOTSOV12 | C36 H12 Cu6 O24 |
| DOTSOV13 | C36 H12 Cu6 O24 |
| DOTSOV14 | C36 H12 Cu6 O24 |
| DOTSOV15 | C36 H12 Cu6 O24 |
| DOTSOV16 | C36 H12 Cu6 O24 |
| DOTSOV17 | C36 H12 Cu6 O24 |
| DOTSOV18 | C36 H12 Cu6 O24 |
| DOTSOV19 | C36 H12 Cu6 O24 |
| DOTSOV20 | C36 H12 Cu6 O24 |
| DOTSOV21 | C36 H12 Cu6 O24 |
| DOTSOV23 | C36 H12 Cu6 O24 |
| DOTSOV24 | C36 H12 Cu6 O24 |
| DOTSOV25 | C36 H12 Cu6 O24 |
| DOTSOV26 | C36 H12 Cu6 O24 |
| DOTSOV27 | C36 H12 Cu6 O24 |
| DOTSOV28 | C36 H12 Cu6 O24 |
| DOTSOV29 | C36 H12 Cu6 O24 |
| DOTSOV30 | C36 H12 Cu6 O24 |
| DOTSOV31 | C36 H12 Cu6 O24 |
| DOTSOV32 | C36 H12 Cu6 O24 |
| DOTSOV33 | C36 H12 Cu6 O24 |
| DOTSOV34 | C36 H12 Cu6 O24 |
| DOTSOV35 | C36 H12 Cu6 O24 |
| DOTSOV36 | C36 H12 Cu6 O24 |
| DOTSOV37 | C36 H12 Cu6 O24 |
| DOTSOV38 | C36 H12 Cu6 O24 |
| DOTSOV40 | C36 H12 Cu6 O24 |
| DOTSOV41 | C36 H12 Cu6 O24 |
| DOTSOV42 | C36 H12 Cu6 O24 |
| DOTSOV43 | C18 H6 Cu3 O12 |
| DOTSOV44 | C18 H6 Cu3 O12 |
| DOTSOV45 | C18 H6 Cu3 O12 |
| DOTTUC | C24 H44 In1 N1 O10 |
| DUKYIT | C16 H16 Co1 N4 |
| DUXZIG01 | C4 N4 Ni1 Zn1 |
| ECAHUN | C30 H24 N2 O4 Zn1 |
| ECOKAJ | C63 H59 N17 O22 Zn3 |
| ECOLEP | C9 H15 Co2 N12 O6 |

| CSD Code | Composition |
|---|---|
| EDUSIF | C59 H95 N7 O23 Zn4 |
| EDUVOO | C84 H100 N6 O24 Zn4 |
| EFAYEQ | C332 H500 Cu8 N52 O100 |
| EFAYIU | C320 H472 N48 O96 Zn8 |
| EHAFOL | C166 H126 N28 O28 Zn9 |
| EHAFUR | C176 H152 N52 O36 Zn13 |
| EHIJAH | C120 H72 N6 O26 Zn8 |
| ELENOB | C32 H16 Co3 N8 O8 |
| ENITAX | C76 H128 Cu2 N12 O22 Si1 |
| EPOTAF | C67 H105 Cu2 N7 O28 |
| EPOXOZ | C24 H24 Ag2 F6 N12 O4 S4 |
| EPUVAN | C63 H76 F9 Gd1 N6 O22 S3 |
| ETOVOB | C29 H16 Ce1 O8 |
| EWUCOP | C24 H26 Cu2 N10 O12 |
| EXOJAF | C44 H22 N4 O12 Zr2 |
| EXOJUZ | C68 H38 N4 O12 Zr2 |
| EZIMAC | C15 H7 Cu1 N1 O4 |
| EZUCIM | C17 H24 N4 O8 Zn1 |
| FAHPOV | C66 H70 N6 O21 Zn4 |
| FALTUK | C48 H22 Cu4 N4 O20 |
| FAWCEN | C48 H76 N24 O8 Zn6 |
| FAWCEN01 | C48 H76 N24 O8 Zn6 |
| FAWCEN02 | C48 H76 N24 O8 Zn6 |
| FAWCEN03 | C8 H10 N4 Zn1 |
| FAWCEN04 | C8 H10 N4 Zn1 |
| FAZPON | C136 H80 Br3 Cl3 N4 O40 Zn12 |
| FAZPUT | C136 H80 Cl6 N4 O40 Zn12 |
| FAZQAA | C136 H80 Cl3 I3 N4 O40 Zn12 |
| FAZQII | C139 H80 Cl3 N1 O46 Zn12 |
| FAZQUU | C157 H101 B3 Cl3 N1 O49 Zn12 |

| CSD Code | Composition |
|---|---|
| FEBXIV | C129 H252 Cu2 N27 O58 P1 |
| FEDBAV | C156 H86 Co7 N48 O2 |
| FEFCAY | C28 H16 Cu1 N2 O4 |
| FEHCOM | C24 H20 N4 O4 Zn2 |
| FEHHEI | C8 H10 Mn1 N4 |
| FEJDII02 | C6 H14 N4 O12 P4 Zn3 |
| FEMJOA | C18 H18 Gd1 N1 O10 |
| FEMJUG | C18 H18 Dy1 N1 O10 |
| FENVOL | C21 H31 N1 O20 P2 Zn3 |
| FEVFUJ | C90 H60 Cu6 N12 |
| FEVNIE | C320 H356 Cl2 F48 N38 O109 S16 Yb2 |
| FEZCIX | C78 H140 Cu12 La2 N38 O20 |
| FEZCOD | C39 H70 Cu6 Eu1 N19 O10 |
| FEZCUJ | C39 H70 Cu6 Er1 N19 O10 |
| FIDRIV | C38 H54 Dy1 Na1 O20 |
| FIFGEI | C42 H30 In3 N1 O19 |
| FILBAG | C196 H286 N52 O58 Zn5 |
| FIMFIT | C78 H88 Ag4 F12 N24 O22 S6 |
| FINGAN | C71 H109 Dy3 N16 O30 |
| FIPCAL | C84 H56 Cl4 Co2 N8 O32 Zr6 |
| FIPCEP | C36 H26 Cl6 Co3 N6 O16 Zr3 |
| FIZWAP | C24 H16 N2 Ni1 O4 |
| FIZWET | C24 H16 N2 O4 Zn1 |
| FIZXIY | C36 H24 Co1 N2 O4 |
| FIZXOE | C36 H24 N2 Ni1 O4 |
| FIZYIZ | C12 H28 Br6 K2 N4 |
| FUNBOG | C47 H31 Br2 N5 O9 Zn2 |
| FUNCEX | C49 H31 Br2 N7 O9 Zn2 |
| FUNGED | C18 H6 Cu3 O12 |
| FUQJIN01 | C6 H10 Br6 N2 Pb2 |

| CSD Code | Composition |
|---|---|
| GALHUY | C28 H16 In1 O8 |
| GAVYOV | C16 H20 Ag4 I6 N4 |
| GAWZOX | C58.5 H74.5 In1 N8.5 O15.5 |
| GAXKUN | C24 H16 Cd1 N2 O4 |
| GEKCAD | In12 S34 Sn4 |
| GENCEK | C17 H9 Cu1 N1 O4 |
| GENMEU | C12 H10 Co2 O6 |
| GERBEN | C40 H32 O16 Zr3 |
| GERXAF | C75 H71 N6 O28 P3 Zr3 |
| GERXEJ | C32 H34 O17 Th3 |
| GEVWAI | C18 H6 Cr3 O12 |
| GIJLIX | C23 H16 Cd3 O14 |
| GILGAM | C16 H10 Cu1 N4 O4 |
| GIPFAP | C40 H29 N1 O16 Zr3 |
| GISNED | C191 H414 N46 O48 Zn8 |
| GITGOJ | C24 H64 Cl28 N8 Pb10 |
| GITTIN | C6 H4 Co1 N6 O4 |
| GITTOT | C48 H68 Co6 N24 O4 |
| GITTOT01 | C8 H10 Co1 N4 |
| GITTOT02 | C8 H10 Co1 N4 |
| GIXTUF | C24 H33 Cd1 N3 O10 S1 |
| GOVSER | C108 H64 O16 Zn4 |
| GULWIU | C69 H142 Cd4 Cl3 N31 O24 |
| GUMZEV | C4 H28 Cu8 Ge5 N8 S16 |
| GUNFAW01 | C36 H24 Cl1 Cr1 Mn1 N6 O16 Ru1 |
| GUPBEZ02 | C96 H192 Cu32 I32 N32 |
| GUPCUQ01 | C6 H4 Cd1 N6 O4 |
| GUXQUM | C105 H119 N5 O37 Zn5 |
| HABQUY | C126 H222 Cu3 N22 O56 |
| HAFGUT | C19 H11 Cu1 N3 O5 |
| HAVZIP | C52 H52 As2 Co2 N10 O70 W18 |

| CSD Code | Composition |
|---|---|
| HEJCIL | C28 H20 Cu1 N2 O4 |
| HEJGAI | C102 H48 Cu12 O48 |
| HEJZAB | C68.5 H86.5 Cd3 N7.5 O29.5 |
| HERHAQ | C80 H60 Br6 O32 Zr6 |
| HERHOE | C40 H32 N2 O16 Zr3 |
| HERHUK02 | C40 H30 O18 Zr3 |
| HEXVEM | C48 H36 Cu3 N12 O15 |
| HEYTIO | C36 H24 Mn2 N6 Ni1 O12 |
| HEYTUA | C36 H24 Cr1 Fe1 Li1 N6 O12 |
| HEZGIG | C6 H4 Cu1 N6 O4 |
| HICBAZ | C116 H72 O32 Zr6 |
| HICCUU | C44 H30 Hf3 O16 |
| HICNIT | C44 H30 O16 Zr3 |
| HICNOZ | C44 H30 O16 Zr3 |
| HICNUF | C110 H70 O32 Zr6 |
| HICPAN | C234 H142 O64 Zr12 |
| HICPER | C250 H144 O64 Zr12 |
| HICPIV | C126 H72 O32 Zr6 |
| HIFMEP | C28 H20 Cu1 N6 P1 |
| HIFTOG01 | C24 H12 O13 Zn4 |
| HIFVUO | C6 H6 N4 Zn1 |
| HIHNUJ | C16 H6 In1 O8 |
| HISSEI | C36 H24 Co3 N6 O12 |
| HIWLEG | C6 H19 N2 O9 P3 Zn2 |
| HIWLIK | C6 H22 N2 O13 P4 Zn3 |
| HIWLUW | C9 H26 N2 O12 P4 Zn3 |
| HIYCUQ | C102 H168 Cu3 N14 O38 |
| HOHMIB | C75 H125 N15 O26 Zn2 |
| HOKMUR | C16 H24 N32 Zn4 |
| HOQTUF | C74 H46 N6 Ni3 O18 |
| HORZAS | C68 H54 Cd2 N6 O10 |
| HOYKUD | C13 H8 Cu1 N2 O4 |
| HOYQIX | C15 H7 Cu1 O6 |
| HOYRAQ | C12 H7 Cu1 N3 O4 |
| ICARAH | C180 H120 Cu6 N6 O36 |
| ICITEU | C196 H254 Fe12 N28 O97 S12 |
| IGEXOH | C5 H17 N1 O10 P2 Zn1 |
| IGOGOD | C20 H28 N8 Zn2 |
| IMIDZB13 | C12 H12 N8 Zn2 |
| IPERON | C7 H16 I3 K1 N2 |
| IPOFEA | C9 H16 Cu2 N4 O1 |
| IPUPOA | C168 H112 Cu12 O60 |
| ISOJOQ | C20 H28 In1 O8 |
| IVOCON | C9 H29 N3 O12 P4 Zn3 |
| IVOTAR | C37 H27 Cu2 N1 O10 |
| IYUCIQ | C48 H36 Dy2 N12 O15 |
| IZEPAF | C24 H18 Cr3 F3 O16 |
| IZEPEJ | C96 H72 Cr12 F12 O64 |
| IZIKOT02 | C10 H14 Fe1 K1 N10 |
| IZOWAW | C180 H384 Mo36 N9 O162 P3 Zn12 |
| IZOWEA | C57 H114 Mo12 N3 O46 P1 Zn4 |
| IZUSAY | C72 H72 N6 O22 Zn4 |
| IZUSEC | C72 H83 N11 O21 Zn4 |
| JAPWUW | C8 H18 Cu6 I8 N2 |
| JAZHUQ | C216 H172 Cu36 N72 O173 Zn38 |
| JAZJAY | C76 H82 Cu12 N26 O69 Zn16 |
| JAZKII | C25 H29 N5 O6 Zn1 |
| JEDVIA | C9 H6 O7 Zn1 |
| JEHBEG | C120 H72 N24 O39 Zn12 |
| JEHBOQ | C132 H80 N24 O39 Zn12 |
| JEJWEB | C216 H156 N16 O60 Zn16 |
| JETKIF | C310 H333 Cl3 N23 O126 Rh3 Zr12 |
| JETVOW | C14 H6 O6 Zn2 |
| JIHQIE | C26 H20 Cu1 F6 N8 O4 Si1 |
| JIPLIH | C39 H18 F3 N3 O12 Zn3 |
| JIRGOJ | C26 H36 Co1 N16 O7 |
| JIVFUQ | C12 H20 N2 O10 P2 Zn1 |
| JOCMOG | C12 H10 Cl2 Cu3 N6 O12 |
| JODGIU | C24 H16 Co1 N2 O4 |
| JOFCEO | C14 H8 Cu1 N2 O5 |
| JOGRUT | C52 H54 Co2 N10 O71 P2 W18 |
| JOGSAA | C52 H52 N10 Ni2 O70 P2 W18 |
| JOJKOK | C36 H12 Cl4 N18 O6 Zn5 |
| JOJKUQ | C40 H16 N18 O14 Zn5 |
| JOPGUS | C15 H21 Co1 N1 O7 |
| JOTDII | C46 H58 Co1 N6 Na2 O18 |
| JOTYUP | C14 H8 N4 O4 Zn1 |
| KAGCOM | C184 H602 Co12 N46 O382 Si7 W72 |
| KAGCUS | C184 H602 Co12 Ge7 N46 O382 W72 |
| KAGDAZ | C160 H536 Co12 N40 O376 Si7 W72 |
| KECLAJ | C76 H110 Cu2 N4 O8 |
| KEGZOL | C8 H12 Cu1 N5 Zn1 |
| KEGZOL01 | C8 H12 Cu1 N5 Zn1 |
| KEPLIE | C54 H116 N27 O47.49 Zn3 |
| KEQDER | C66 H36 O20 Zn4 |
| KERGUM01 | C80 H130 Cu2 N14 O24 |
| KERHAT01 | C92 H140 Cu2 O28 |
| KERHEX01 | C45 H46 Cl14 Cu2 O10 |
| KESCAP01 | C78 H120 Cu2 N8 O18 |

| CSD Code | Composition |
|---|---|
| KEVCIA | C48 H34 Hf3 N4 O18 |
| KEWNUX | C96 H96 Cu12 N24 O136 P4 W36 |
| KIKRAA | C38 H36 B2 Cu2 F8 N10 O1 |
| KIVLIO | C24 Cu4 N6 O12 |
| KIXHIL | C34 H36 Cu8 N20 |
| KOFLEZ | C102 H84 N6 Ni6 O28 P4 |
| KOGCER | C300 H518 Cu24 O223 S19 |
| KOJYUG | C87 H137 In1 N18 O24 |
| KOPHOO | C86 H60 N2 O26 Zn8 |
| KOPJUX | C96 H64 N12 O32 Zr6 |
| KOPLIN | C35 H40 K5 Mn5 N13 O32 |
| KOSJAF | C8 H2 D3.38 Co2 O6 |
| KOSJEJ | C8 H2 D4.74 Co2 O6 |
| KOSJIN | C8 H2 D5.42 Co2 O6 |
| KOSJOT | C8 H2 D6.94 Co2 O6 |
| KOSJUZ | C8 H2 D7.46 Co2 O6 |
| KOSKAG | C8 H2 D8.98 Co2 O6 |
| KOSKEK | C8 H2 D11.26 Co2 O6 |
| KOSKIO | C8 H2 Co2 O6 |
| KOSKIO01 | C8 H2 Co2 O6 |
| KOSKIO02 | C8 H2 Co2 O6 |
| KOSKUA | C8 H2 D3.18 Co2 O6 |
| KOSLAH | C8 H2 D9.84 Co2 O6 |
| KOSLEL | C8 H2 D3.94 Ni2 O6 |
| KOSLIP | C8 H2 D7.7 Ni2 O6 |
| KOSLOV | C8 H2 D11.54 Ni2 O6 |
| KOSLUB | C8 H2 Ni2 O6 |
| KOSMAI | C8 H4.1 Co2 O6 |
| KOTPUG | C5 H16 Al1 B5 N3 O10 |
| LAJLAL02 | C48 H82 K2 O42 |
| LAJLAL03 | C48 H82 K2 O42 |
| LAJLAL04 | C48 H82 K2 O42 |
| LAJLAL05 | C48 H82 K2 O42 |
| LAJLAL06 | C48 H82 K2 O42 |
| LAJLAL07 | C48 H82 K2 O42 |
| LAJLAL08 | C48 H82 K2 O42 |
| LAJLAL09 | C48 H82 K2 O42 |
| LAJLAL10 | C48 H82 K2 O42 |
| LAJLAL11 | C48 H82 K2 O42 |
| LAJLAL12 | C48 H82 K2 O42 |
| LAJLAL13 | C48 H82 K2 O42 |
| LAJLAL14 | C48 H82 K2 O42 |
| LAJLAL15 | C48 H82 K2 O42 |
| LAJLAL16 | C48 H82 K2 O42 |
| LAJLEP | C48 H82 O42 Rb2 |
| LAPQIG | C48 H18 F6 Fe2 N12 |
| LAPQOM | C48 H12 F12 Fe2 N12 |
| LATFOC | C24 H12 Ar1 O13 Zn4 |
| LATFUI | C24 H12 N2 O13 Zn4 |
| LAWFOF | C24 H12 Ar6.47 O13 Zn4 |
| LAWFUL | C24 H12 Ar9.94 O13 Zn4 |
| LAWGAS | C24 H12 Ar10.22 O13 Zn4 |
| LAWGEW | C24 H12 N4.96 O13 Zn4 |
| LAWGIA | C24 H12 N8.56 O13 Zn4 |
| LAWGOG | C24 H12 N12.94 O13 Zn4 |
| LAWGUM | C24 H12 N13.78 O13 Zn4 |
| LAYBEW | C118 H130 Mn3 N12 O26 |
| LECQEQ | C8 H2 Ni2 O6 |
| LECQEQ01 | C8 H2 Ni2 O6 |
| LECQEQ02 | C8 H2 Ni2 O6 |
| LEDQOE | C32 H17 Eu1 N2 O8 |
| LEDWUQ | C35 H52 Mn2 N20 |
| LEGGAI | C42 H28 Fe3 O16 |
| LEJCAG | C111 H96 O50 Zn8 |
| LEJCEK | C135 H120 O50 Zn8 |
| LEJCIO | C147 H96 O38 Zn8 |
| LELDUD | C34 H20 Cu2 N2 O10 |
| LELFUG | C79 H110 Br2 N12 O26 Zn2 |
| LEVFAW | C200 H120 Cu10 N8 O40 |
| LEYTER | C102 H118 Cl2 Cu4 N34 O34 |
| LEYTIV | C114 H106 Cl2 Cu4 N28 O28 |
| LICGOW | C44 H30 O16 Zr3 |
| LIHFAK | C48 H30 O13 Zn4 |
| LIJTEH | C88 H44 In2 N8 O16 |
| LIKZAJ | C30 H14 Cu2 N2 O14 |
| LIRVAK | C80 H102 Cu2 N12 O20 |
| LOBBOW | C62 H38 Fe3 O16 |
| LOBQAX | C91 H70 N5 Na1 O37 S1 Zr6 |
| LOPJOS | C76 H62 Cd4 N24 O16 |
| LUKLIN | C42 H24 Cu3 O15 |
| LUNBIF | C6 H60 K2 N6 O30 S8 W6 Zn2 |
| LURGEL | C51 H36 N2 O8 Si1 Zn2 |
| LUVNUO | C60 H36 N18 Ni3 |
| LUVPAW | C60 H36 N18 Ni3 |
| MAGBON | C20 H27 N1 O19 P2 Zn3 |
| MALSAW | C14 H2 D7.48 Fe2 O6 |
| MALSEA | C14 H2 D10.4 Fe2 O6 |
| MALSIE | C14 H2 D15.28 Fe2 O6 |
| MALSOK | C14 H2 D22.28 Fe2 O6 |
| MAPFER | C156 H186 N12 O24 Zn3 |
| MECMEQ | C23 H16 In1 N1 O8 |
| MEHMET | C42 H18 Cu3 O15 |
| MEJMOE | C94 H82 Fe7 O13 Zn4 |

| CSD Code | Composition |
|---|---|
| MEPSEJ | C20 H34 Cd1 N2 O14 |
| MERLAZ | C144 H80 Cl1 Fe9 N12 O32 |
| MERLED | C144 H82 Co3 Fe6 N12 O32 |
| MEVMEI | C98 H80 N4 O32 U4 |
| MEWPIQ | C16 H13 N1 O4 Zn1 |
| MEXYOG | C63 H57 N4 Np3 O20 |
| MIBQAR | C24 H12 O13 Zn4 |
| MIBQAR01 | C24 H12 O13 Zn4 |
| MIBQAR02 | C24 H12 O13 Zn4 |
| MIBQAR03 | C24 H12 O13 Zn4 |
| MIBQAR04 | C24 H12 O13 Zn4 |
| MIBQAR05 | C24 H12 O13 Zn4 |
| MIBQAR06 | C24 H12 O13 Zn4 |
| MIBQAR07 | C24 H12 O13 Zn4 |
| MIBQAR08 | C24 H12 O13 Zn4 |
| MIBQAR09 | C24 H12 O13 Zn4 |
| MIBQAR10 | C24 H12 O13 Zn4 |
| MIBQAR11 | C24 H12 O13 Zn4 |
| MIBQAR12 | C24 H12 O13 Zn4 |
| MIBQAR13 | C24 H12 O13 Zn4 |
| MIBQAR14 | C24 H12 O13 Zn4 |
| MIBQAR15 | C24 H12 O13 Zn4 |
| MIBQAR16 | C24 H12 O13 Zn4 |
| MIBQAR17 | C24 H12 O13 Zn4 |
| MIBQAR18 | C24 H12 O13 Zn4 |
| MIBQAR19 | C24 H12 O13 Zn4 |
| MIBQAR20 | C24 H12 O13 Zn4 |
| MIFKEU | C82 H56 Br2 N6 O14 Zn2 |
| MIFKIY | C63 H40 Br2 N4 O11 Zn2 |
| MIHWAE | C8 H2 Fe2 O6 |
| MILROQ | C154 H138 Cu18 N26 O28 |
| MINLON | C6 H4 N6 O4 Zn1 |
| MINLON01 | C6 H4 N6 O4 Zn1 |
| MINMAA | C24 H16 N24 O16 Zn4 |
| MINMAA01 | C24 H16 N24 O16 Zn4 |
| MIRKIK | C74.25 H86.25 Ag2 B4 Cl18.75 F16 N4 O16 S4 |
| MISZEW | C18 H12 Cu1 N2 O4 |
| MISZIA | C17 H10 Cu1 N2 O4 |
| MISZOG | C18 H12 Cu1 N2 O4 |
| MITSIS | C33 H33 Cd3 N1 O21 |
| MITSUE | C18 H25 Cd1 N1 O6 |
| MIXZOK | C108 H155 N11 Ni3 O33 |
| MOHGEY | C8 H2 Co2 O6 |
| MOHGOI | C8 H2 Mg2 O6 |
| MOSDIJ | C510 H136 Fe51 O272 S102 |
| MUBZOA | C144 H78 O36 Zr6 |
| MUDTAH | C39 H27 N1 O17 Zn3 |
| NAFSOF | C40 H26 Cu2 O10 |
| NAJZII | C54 H99 N12 Ni1.5 O46 P6 Zn7 |
| NAYZOE | C110 H180 Cu6 N4 O64 |
| NEJHOC | C154 H144 N17 O47 Tb9 |
| NEJJEU | C154 H144 N17 O47 Y9 |
| NENQIJ | C266 H608 In40 N38 Se79 |
| NETTOY | C15 H15 In3 Mn1 N8 O24 |
| NETTUE | C15 H15 In3 N8 O24 Zn1 |
| NETVAM | C15 H15 Co1 In3 N8 O24 |
| NETVEQ | C15 H15 In3 Mg1 N8 O24 |
| NEVFAY | C46 H42 Hf3 O16 |
| NEVTIU | C46 H42 Hf3 O16 |
| NEVTIU03 | C46 H42 Hf3 O16 |
| NEXVET | C24 H60 N16 O13 Zn4 |
| NEYZAS | C14 H24 Fe1 N8 Tl1 |
| NEZYEA | C6 H14 Cl3 N4 Na1 O12 |
| NIBHOW | C100 H93 Cu6 N13 O43 |
| NIBHUC | C248 H240 Cu12 N64 O92 |
| NIBJAK | C116 H86 Cu6 N30 O36 |
| NIFNOI | C8 H10 N4 Zn1 |
| NIFPEA | C8 H10 Ar5.5 N4 Zn1 |
| NIFSUT | C13.5 H32 N4 Zn1 |
| NIGDIS | C78 H36 Cu6 O30 |
| NIHGUJ | C210 H116 N8 O64 Zr12 |
| NIHSIJ | C178 H258 N14 O56 Zn8 |
| NIHWIN | C474 H726 N48 O114 Zn12 |
| NIKPUV | C37.78 H16 D15.12 Cu2 N2 O8 |
| NIKQAC | C40.5 H16 D26 Cu2 N2 O8 |
| NIKQEG | C35.59 H16 D6.34 Cu2 N2 O8 |
| NIKQIK | C34 H16 Cu2 N2 O8 |
| NIMNUW | C12 H26 N4 O12 P4 Zn3 |
| NIMQEH | C101.5 H166.8 Cu4 N21.83 O41.83 |
| NIRZAQ | C29 H21 N3 O15 Zn4 |
| NODKUN | C50 H61 In1 N6 O19 S2 |
| NOHSIM | C8 H30 N2 O16 P4 Zn2 |
| NOMDIF | C21 H10 In1 N1 O8 |
| NOMDUR | C21 H9 In1 N1 O8 |
| NOZZUZ | C56 H32 Cd3 O16 Si2 |
| NUFTOY | C33 H39 In1 N2 O11 |
| OBAHAD | C22 H13 N3 O4 Zn1 |
| OBOYEN | C22 H20 N4 O14 Zn1 |
| ODIXEG | C28 H20 O10 Si1 Zn2 |
| OFERUN | C8 D10 N4 Zn1 |
| OFERUN02 | C8 H10 N4 Zn1 |

| CSD Code | Composition |
|---|---|
| OFERUN03 | C16 H20 N8 Zn2 |
| OFERUN04 | C8 H10 N4 Zn1 |
| OFERUN06 | C8 H10 N4 Zn1 |
| OFERUN07 | C8 H10 N4 Zn1 |
| OFERUN09 | C8 H10 N4 Zn1 |
| OFERUN11 | C8 H10 N4 Zn1 |
| OFERUN12 | C8 H10 N4 Zn1 |
| OFOJAX | C193.2 H218.8 N6.4 O102.4 Zr12 |
| OGEBAF | C34 H20 Cu3 O15 |
| OGEBAF01 | C34 H20 Cu3 O15 |
| OGOJOJ | C39 H70 Cu6 Gd1 N19 O10 |
| OGUMAH | C48 H30 Fe4 N12 O24 |
| OGUMEL | C48 H30 Fe4 N12 O24 |
| OHAFUA | C20 H13 Cu1 N3 O5 |
| OHAGAH | C14 H9 Cu1 N1 O5 |
| OHAGEL | C14 H9 Cu1 N1 O5 |
| OHAGOV | C10 H5 Cu1 N3 O4 |
| OHAGOV01 | C10 H5 Cu1 N3 O4 |
| OHUKIM | C108 H72 Be12 O36 |
| OJAWII | C72 H54 Fe2 O12 P6 |
| OJICEQ | C140 H250 N48 O128 S6 Zn3 |
| OLEYAH | C8 H2 O6 Zn2 |
| OLOGEC | C51 H41 N5 O18 Zn4 |
| ONIXOZ | C120 H48 Cu12 O48 |
| ORIBAU | C40 H36 N2 O18 Zn3 |
| OTEDUO | C114 H80 Al8 O38 |
| OTOZII | C17 H11 Co1 N3 O4 |
| OTOZOO | C17 H11 N3 O4 Zn1 |
| OWITAQ | C50 H90 N2 O18 Zn2 |
| OWITEU | C50 H92 Co2 N2 O19 |
| OWITIY | C50 H104 Mn2 N2 O25 |
| OWITOE | C50 H86 N2 Ni2 O16 |
| OWITUK | C50 H96 Fe2 N2 O21 |
| OWIVAS | C52 H86 N2 O14 Zn2 |
| OWIZAW | C121 H220 Cu2 N12 O48 |
| OWOQEZ | C12 H20 Mn2 N20 |
| OWOQEZ01 | C12 H20 Mn2 N20 |
| OWOQUP | C5 H10 Mn1 N10 |
| OWOREA | C14 H28 Mn2 N20 |
| OXUHOH | C164 H112 N16 O58 Zn8 |
| OXUHOH01 | C164 H112 N16 O58 Zn8 |
| OXUWIQ | C164 H112 N16 O58 Zn8 |
| OXUYOY | C18.5 H18.5 N5.5 O5.5 Zn1 |
| OZIDEJ | C8 H20 Bi1 Br6 N2 O2 Rb1 |
| OZUKUR01 | C8 H2 D4 Mn2 O6 |
| OZULAY | C8 H2 D8 Mn2 O6 |
| OZUMIH | C8 H2 D8 Cu2 O6 |
| PAJRUQ | C36 H36 N24 Zn6 |
| PALTON | C24 H24 Cu1 N4 O5 |
| PANTUX | C54 H24 Cu6 N12 O24 |
| PANYEK | C138 H92 Cd12 N115 |
| PAPPAB | C54 H24 Cu6 N12 O24 |
| PAPPAB01 | C54 H24 Cu6 N12 O24 |
| PAPPAB02 | C54 H24 Cu6 N12 O24 |
| PAPPAB03 | C54 H24 Cu6 N12 O24 |
| PAPPAB04 | C54 H24 Cu6 N12 O24 |
| PAPPAB05 | C54 H24 Cu6 N12 O24 |
| PAPPAB06 | C54 H24 Cu6 N12 O24 |
| PAPPAB07 | C54 H24 Cu6 N12 O24 |
| PAPPAB08 | C54 H24 Cu6 N12 O24 |
| PAPPAB09 | C54 H24 Cu6 N12 O24 |
| PAPPAB10 | C54 H24 Cu6 N12 O24 |
| PAPPAB11 | C54 H24 Cu6 N12 O24 |
| PAPPAB12 | C54 H24 Cu6 N12 O24 |
| PAPPAB13 | C54 H24 Cu6 N12 O24 |
| PAPPAB14 | C54 H24 Cu6 N12 O24 |
| PAPPAB15 | C54 H24 Cu6 N12 O24 |
| PAQHOI | C312 H168 Cu12 N12 O48 |
| PAQHUO | C312 H168 Cu12 N12 O48 |
| PAQJAW | C312 H168 Cu12 N12 O48 |
| PEBWIF | C44 H24 La2 N4 O12 |
| PEDRIA | C24 H28 O13 Zn4 |
| PELRIJ | C60 H42 Cu3 N6 O21 |
| PENVEM01 | C54 H26 O16 Zr3 |
| PESSOY | C72 H48 N8 Ni3 O12 |
| PESSUE | C78 H48 N12 Ni3 O12 |
| PEVPUD | C76 H68 Cl3 N7 O33 Zn8 |
| PEVQEO | C67 H50 Cl3 N7 O33 Zn8 |
| PIBNUK | C60 H68 N10 O24 Zn3 |
| PIBNUK01 | C60 H68 N10 O24 Zn3 |
| PIBPIA | C69 H97 Cd3 N13 O31 |
| PICTIG | C32 H24 O20 Zn3 |
| PIFPIE | C42 H24 N2 O12 Zn3 |
| PIJPIL | C34 H24 Cd1 N6 O4 |
| PIXDIM | C116 H72 Cu9 N9 O26 |
| POBHUK | C42 H72 I18 N4 O4 Pb7 |
| POBHUK01 | C42 H72 I18 N4 O4 Pb7 |
| POBHUK02 | C42 H72 I18 N4 O4 Pb7 |
| PODKOK | C96 H60 Cu6 N20 O30 |
| PODKUQ | C108 H66 Cu6 N18 O30 |
| POHWIU | C101 H60 Co5 N4 O22 |
| POLHUW | C44 H55 N11 O16 Zn2 |

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|---|---|
| PONRUI | C83 H99 N19 O17 P2 Zn2 |
| PUFYEW | C75 H51 Cd3 N21 O12 |
| PUKSUL | C15 H28 Cu4 N4 S4 W1 |
| PURBIO | C5 H20 Al1 B5 N2 O12 |
| PURBUA | C5 H19 Al1 B5 N3 O11 |
| PUXDOE | C52 H30 Mn1 N8 O4 |
| PUZFAU | C6 H10 Cu2 N4 O1 |
| PUZLAZ | C14 H12 In1 N1 O8 S2 |
| PUZLOM | C78 H48 Co3 N30 S6 |
| PUZLUS | C102 H64 Co3 N30 S22 |
| QAZFEG | C33 H33 N3 O18 Zn3 |
| QECNIZ | C96 H116 N14 O26 Zn3 |
| QEFWUV | C48 H58 Cl1 Fe1 N4 O25 Zr3 |
| QEZZED | C54 H51 N3 Ni6 O28 |
| QIBTAW | C324 H368 B8 Cl4 La4 N20 O52 |
| QIPROY | C25 H28 Cu1 N4 O6 |
| QIVLUE | C20 H4 Li2 O16 Zn2 |
| QIWBOQ | C33 H46 N12 O12 Zn2 |
| QUNVIG | C80 H92 Co7 F18 N16 O18 Si1 |
| QUPZAE01 | C12 H8 Co1 N4 |
| QUPZIM01 | C12 H8 Fe1 N4 |
| QUPZIM02 | C12 H8 Fe1 N4 |
| QUQBEL | C24 H16 Fe2 N8 |
| RAMQOP | C48 H60 Co3 N6 O20 |
| RASGAT | C48 H104 Cu8 I8 N8 O4 S4 |
| RAWYAS | C8 H5 Cu1 N1 O4 |
| RAYMIP | C66 H42 In3 O16 |
| RAYMOV | C66 H43 Mn3 O16 |
| REGJUM | C32 H28 Cu1 K4 N2 O20 S4 |
| REGXOS | C6 H4 Co1 N6 O4 |
| REJTAE | C69 H122 Mo12 N3 O46 P1 Zn4 |
| REJTEI | C57 H99 Mo12 N3 O46.5 P1 Zn4 |
| REQQEM | C17 H10 Cd1 Cl1 N5 O4 |
| RERTUG | C147 H116 Hf12 N12 O67 Ru3 |
| RERVIW | C70 H55 Cl1 Mn3 N8 O26 |
| RIBCEN | C42 H22 Cu2 O10 |
| RIBSAZ | C134 H106 O50 Zr9 |
| RIBSED | C84 H60 O32 Zr6 |
| RIBSIH | C40 H32 N2 O16 Zr3 |
| RIBSON | C50 H46 O18 Zr3 |
| RICBEM | C54 H50 Cu2 O18 |
| RIDGIW | C48 H64 B4 N24 Zn3 |
| RIMZAQ | C21.6 H50.4 Ga2 N3.6 O5.6 S13 Sn5 |
| RINNOU | C49 H61 Cd1 N7 O18 |
| RIQCOM | C33 H36 Cd1 N8 O8 |
| RITCUV | C86 H56 N6 O14 Zn3 |
| ROBRUW | C10 H38 N4 O20 P6 Zn4 |
| RODLUU | C8 H10 Fe1 N4 |
| ROFTEO | C38 H72 Au3 Cl1 Mn1 N8 O4 |
| ROGMEG | C72 H118 N2 O13 Zn2 |
| RONYUR | C32 H24 N10 O19 Zn6 |
| RONZAY | C32 H24 N10 O16 Zn6 |
| RUTNOK | C69 H52 B1 F10 N6 O14 P1 Zn4 |
| RUVKAV | C23 H23 Cu2 N1 O14 |
| SAFZIL | C40 H24 In1 N2 O8 |
| SAHYIK | C54 H73 Cl1 N8 O21 Zn4 |
| SAHYOQ02 | C24 H12 O13 Zn4 |
| SAHYOQ03 | C24 H12 O13 Zn4 |
| SAHYOQ04 | C24 H12 O13 Zn4 |
| SAHYOQ05 | C24 H12 O13 Zn4 |
| SAPBIW | C129.5 H250.5 N36.5 O53 Zn4 |
| SATNOR | C8 H2 Co2 O6 |
| SATNOR01 | C8 H2 Co2 O6 |
| SATNOR02 | C8 H2 Co2 O6 |
| SATNOR04 | C8 H3 Co2 O6 |
| SATNOR05 | C8 H2 Co2 O6 |
| SAYQES | C13.6 H27.2 Cl1 N5 O11.8 Zn1 |
| SAYTOD | C25 H33 Br2 Cu6 N13 |
| SEGCEQ | C90 H60 Co2 N27 |
| SEHJAU | C64 H58 N8 O10 Zn2 |
| SEMNEF | C66 H30 Cu3 O15 |
| SEMNIJ | C78 H42 Cu3 O15 |
| SENSAI | C50 H30 Cu4 O16 |
| SINQEL | C2 H14 N6 O8 P2 Zn1 |
| SIRNOZ | C50 H38 O22 Ti3 |
| SIWHAJ | C20 H36 Cu7 N8 O6 S6 |
| SIXFIQ | C24 H14 Cu1 N2 O4 |
| SIXFIQ01 | C24 H14 Cu1 N2 O4 |
| SOLMUD | C128 H80 Cd5 N8 O24 |
| SOMVOI | C114 H84 In3 N3 O24 |
| SOWCOY | C10 H5 N3 O4 Zn1 |
| SOWCOY01 | C10 H5 N3 O4 Zn1 |
| SUFBAY | C80 H72 Cd1 N8 O12 |
| SUFROA | C30 H6 Cu2 F12 N12 P2 |
| SUKXUS | C48 H26 O13 Zn4 |
| SUKYIH | C59 H90 Cu2 N6 O18 |
| SUKYON | C95 H144 Cu2 N14 O29 |
| SUNTIH | C12 H8 N4 Zn1 |
| SUTBIT | C12 H8 N4 Ni1 |
| TADCOS | C6 H14 N2 O8 P2 Zn1 |
| TADWOM | C102 H66 O24 Ti1 Zn4 |
| TASYUJ | C132 H144 Cu5 N46 O66 |
| TASZAQ | C132 H132 N46 O60 Zn5 |
| TASZEU | C132 H104 Cu2 Fe3 N46 O46 |

| CSD Code | Composition |
|---|---|
| TECDUE | C42 H42 Co2 N6 O14 |
| TEFNIF | C16 H10 Co1 N4 |
| TEFPAZ | C264 H144 Co12 N48 |
| TEQPEM | C51 H67 N7 O20 S6 Zn4 |
| TETSAP | C48 H34 O17 Zr3 |
| TEYXAZ | C84 H76 Cl12 Cu6 Hf6 N12 O32 |
| TOBQIN | C4 H18 Al1 B5 N4 O10 |
| TOCJAY | C46 H26 N10 O13 Zn4 |
| TOWSEG | C16 H10 Co1 N2 O5 |
| TUQWIL | C4 H15 N1 O8 P2 Zn1 |
| TUQWIL01 | C4 H15 N1 O8 P2 Zn1 |
| UBULIO | C435 H762 N60 O120 Zn12 |
| UFIKEC | C144 H101 Fe9 N6 O42 S12 |
| UFIRIM | C69 H46 O14 Pb3 |
| UFOQUE | C71 H63 N4 O19 S3 Tb3 |
| UFORAL | C69 H39 N1 O17 Zr3 |
| UFORIT | C69 H39 N1 O17 Zr3 |
| UJADUH | C32 H24 Cu3 O20 |
| UKACIU | C4 H6 N8 Zn1 |
| UNIGEE | C48 H24 O26 Zn8 |
| UPABAR | C36 H45 N6 O12 Tb1 |
| UPOZAB | C36 H12 Cl4 N18 O6 Zn5 |
| URUYOX | C8 H8 Cu2 N14 O6 |
| URUYUD | C8 H8 Cu2 N14 O6 |
| URUZAK | C8 H8 Cu2 N14 O6 |
| URUZEO | C8 H8 Cu2 N14 O6 |
| URUZIS | C8 H8 Cu2 N14 O6 |
| USOFIU | C66 H72 Cu3 F18 N16 O24 Si3 |
| USOSUS | C10 H6 Cd1 N4 O4 |
| UVEQOD | C12 H27 Ag3 I6 N4 |
| UVEQOD01 | C12 H27 Ag3 I6 N4 |
| UVEVEX | C10 H5 Mn1 N3 O4 |
| UWAFOO | C154 H227 N21 O36 Zn4 |
| UWAFUU | C176 H166 N2 O16 Zn4 |
| UYISUT | C24 H12 Cu2 N12 O8 |
| UZAROE | C6 H7 Co1 N7 O4 |
| VACFOV | C16 H9 In1 O8 |
| VACFOV01 | C16 H9 In1 O8 |
| VAGMAT | C130 H250 N32 O46 Zn2 |
| VAGMEX | C155 H281 N25 O33 Zn2 |
| VAGMIB | C92 H102 N28 O13 Zn2 |
| VAGMIB01 | C92 H102 N28 O13 Zn2 |
| VAGMOH | C121 H201 N31 O35 Zn2 |
| VAMQOS | C10 H10 Co2 O6 |
| VASDIG | C19 H11 Cu1 N1 O4 |
| VAZTOG | C24 H20 O13 Zn4 |
| VAZTUM | C24 H20 O13 Zn4 |
| VECZEI | C4 H12 Ca1 N10 |
| VEDWUY | C141 H93 N7 O26 Zn6 |
| VEFTUZ | C18 H28 Mn1 N10 O1 |
| VEGBUG | C56 H136 N12 O47 S6 Zr3 |
| VEGCAN | C56 H100 Hf3 N12 O29 S6 |
| VEHXEN | C426 H452 Cl26 Fe10 N65 O140 Pr8 S6 Sb24 |
| VEJHID | C156 H66 Cd11 N12 O51 |
| VEJYIT | C21 H33 N11 O3 Zn2 |
| VEJYIT15 | C21 H33 N11 O3 Zn2 |
| VEJYIT17 | C21 H33 N11 O3 Zn2 |
| VEJYIT18 | C21 H33 N11 O3 Zn2 |
| VELVOY | C8 H16.66 N4 O3.33 Zn1 |
| VENGAZ | C74 H99 Cd3 N19 O22 |
| VETMIS | C202 H163.5 Cu6 N11.5 O35.5 |
| VEVJUD | C17 H29 Cu2 I1 N6 O3 S1 |
| VIJTER | C37 H36 Cu3 N15 O1 S7 |
| VIRGUC | C12 H12 Ca3 Fe2 N12 O6 |
| VIXWEF | C16 H12 N2 Ni2 O11 |
| VIYBEN | C122 H80 Co4 N16 O16 |
| VIYNEZ | C159 H149 Dy3 N20 O29 |
| VIYNID | C159 H149 Er3 N20 O29 |
| VIYNOJ | C159 H149 Ho3 N20 O29 |
| VIYRED | C24 H19 B3 Hf3 O20 |
| VIYRIH | C24 H19 B3 O20 Zr3 |
| VIYRUT | C40 H22 In1 N2 O8 |
| VOLPAP | C48 H16 O32 S8 Zn6 |
| VOYBOC | C40 H32 O16 Zn4 |
| VUJBEI | C63 H91 N9 O29 Zn3 |
| VUJLET | C16 H6 In1 O8 |
| VUWVAN | C6 H5 N3 O3 Zn1 |
| VUWVAN01 | C6 H5 N3 O3 Zn1 |
| VUWVAN02 | C6 H5 N3 O3 Zn1 |
| VUWXUJ | C14 H14 N6 O6 Zn2 |
| VUWXUJ01 | C14 H14 N6 O6 Zn2 |
| VUWXUJ02 | C14 H14 N6 O6 Zn2 |
| VUWXUJ03 | C14 H14 N6 O6 Zn2 |
| VUWXUJ04 | C14 H14 N6 O6 Zn2 |
| VUWXUJ05 | C14 H14 N6 O6 Zn2 |
| VUZBEX | C22 H42 Al1 N2 Na1 O13 |
| WAGYUA | C219 H380 N28 O86 Zn8 |
| WAHBOA04 | C12 H18 N12 Zn3 |
| WAHBOA05 | C12 H18 N12 Zn3 |
| WAHBOA06 | C12 H18 N12 Zn3 |

| CSD Code | Composition |
|---|---|
| WAHBOA07 | C84 H124 N84 Zn21 |
| WAHKOI | C21 H12 Li1 N1 O6 |
| WAQZEW | C28 H16 In1 N4 O8 |
| WAVROC | C108 H83 In3 Mg3 O37 |
| WEBTOP | C64 H24 Cu6 O24 |
| WEQRAO | C87 H143 Cl6 Cu3 N23 O33 Sc3 |
| WEYREA | C53 H32 O16 Zr3 |
| WEYRIE | C53 H32 O16 Zr3 |
| WIJVAQ | C20 H59 Br1 Cl15 N7 Pb4 |
| WIJVEU | C20 H59 Br1 Cl15 N7 Pb4 |
| WIJXIY | C66 H52 N6 O20 Zn5 |
| WIRVOM | C22 H12 N4 O4 Zn1 |
| WITKIV | C168 H108 N12 O79 P12 Zn11 |
| WIYMOG | C224 H294 N108 O104 Tb2 |
| WOBHIF | C8 H2 O6 Zn2 |
| WOBHIF01 | C8 H2 O6 Zn2 |
| WOBHIF02 | C8 H2 O6 Zn2 |
| WOBHIF03 | C8 H2 O6 Zn2 |
| WOBHIF04 | C8 H2 O6 Zn2 |
| WOFQEQ | C42 H28 Al3 N1 O19 |
| WOFQIU | C42 H28 Ga3 N1 O19 |
| WOLCEI | C10 H14 Co1 K1 N10 |
| WOLCOS | C10 H14 Cr1 K1 N10 |
| WOQVAB | C8 H2 Fe2 O6 |
| WOWGUK | C6 H26 N2 O19 P4 Zn4 |
| WUVMUY | C48 H24 Cd3 O16 |
| WUYWAQ | C88 H60 Cd3 O24 |
| WUZGEF | C88 H60 Cd3 O24 |
| WUZGEF01 | C88 H60 Cd3 O24 |
| XACDUD | C10 H16 Cu4 N8 |
| XAFFAN | C40 H28 N2 O10 Zn2 |
| XAFFER | C40 H28 N2 O10 Zn2 |
| XAFFIV | C40 H28 Co2 N2 O10 |
| XAFFOB | C40 H28 Cu2 N2 O10 |
| XAFFUH | C40 H28 Cu2 N2 O10 |
| XAHPED | C111 H217 Cu2 N15 O38 |
| XAHPIH | C87 H149 Cu2 N11 O26 |
| XAHPON | C120 H218 Cu2 N13 O40.5 |
| XAHPUT | C166 H292 Cu2 N24 O41 |
| XAHQAA | C171 H314.5 Cu2 N25.5 O48 |
| XAHWAG | C12 H26 N4 O12 P4 Zn3 |
| XALMAC | C87 H86 N12 O22 Zn3 |
| XALMOO | C48 H30 Co2 N4 O9 |
| XALROT | C16 H10 In1 N2 O8 |
| XALTIP | C72 H24 Cl8 Co8 N36 O12 Zn2 |
| XAMHAW | C88 H94 N8 O27 Zn4 |
| XANLUV | C66 H36 N2 O26 Zn8 |
| XAWVUN | C38 H48 Cu2 N2 O18 S2 |
| XAYKOA | C11 H6 Cu1 N2 O4 |
| XAYKOA01 | C11 H6 Cu1 N2 O4 |
| XEBHOC | C38 H48 Cu2 N2 O18 S2 |
| XEJHIG | C24 H10 O20 Zn3 |
| XENLEL | C50 H78 Cu2 N2 O12 |
| XEYMAR | C27 H27 Cu4 I4 Mn2 N5 O11 |
| XICKOL | C56 H44 Cu3 N6 O16 |
| XIDSUZ | C112 H142 Cu3 N30 O49 S8 |
| XIJVIY | C63 H44 O16 Zr3 |
| XINGEJ | C75 H69 N7 O57 S5 Zn6 |
| XOJWID | C42 H66 N6 O24 P4 Zn4 |
| XOVPUU | C82 H144 Cu2 N14 O36 |
| XOVQEF | C225 H367 N35 O93 Zn6 |
| XUGPEV | C180 H553 Ge7 Mn12 N45 O361 W72 |
| XUGSUO | C132 H66 O39 S6 Zn12 |
| XUJNOI | C44 H16 B1 Cu1 F16 N4 |
| XUJNUO | C44 H16 Ag1 B1 F16 N4 |
| XUTQEI | C55.5 H66 N6 Ni3 O24.5 |
| YALJAA | C80 H48 Cd3 N4 O16 |
| YAMXOC | C36 H12 In3 O24 |
| YAPPAG | C36 H24 Fe3 N6 O12 |
| YEJLEI | C57 H39 Cd2 N24 |
| YEYCUC | C72 H62 O16 Zr3 |
| YEYDAJ | C66 H44 N18 O16 Zr3 |
| YIBZOC | C8 H10 Co1 N4 |
| YIJZIC | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC01 | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC02 | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC03 | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC04 | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC05 | C36 H24 N6 O12 Ru1 Zn2 |
| YIJZIC06 | C36 H24 N6 O12 Ru1 Zn2 |
| YIMCEF | C14 H6 Cu1 N2 O4 |
| YINPEQ | C33 H30 Cd1 Cl1 O6 P1 |
| YIPDOR | C72 H68 Cu3 Mo12 N24 O42 P1 |
| YIYBEQ | C140 H96 Cu10 N2 O50 |
| YODKUA | C28 H38 In1 N5 O13 |
| YODWOF | C156 H88 N4 O74 Zn14 |
| YODWUL | C144 H100 N16 O86 Zn14 |
| YOLHAL | C24 H52.76 Cu6 N19 O54.38 Yb3 |
| YOZQEK | C75 H50 N2 O35 S5 Zn6 |
| YUKMOI | C354 H252 O78 Zn24 |
| YUKMUO | C402 H348 O78 Zn24 |

| CSD Code | Composition |
|---|---|
| YUSWEP | C82 H56 Cu4 O20 |
| ZABQIC | C46 H27 Ag1 F3 N3 O3 S1 |
| ZECKID | C16.5 H24.5 Cu2 N5.5 O6.5 |
| ZECPUW | C91 H90 Cl1 N31 Ni2 O4 |
| ZELROZ | C52 H46 N2 O21 Zn4 |
| ZEQYON | C6 H4 N6 O4 Zn1 |
| ZEZFIV | C37 H50 N10 Na2 O18 Zn1 |
| ZICCIZ | C156 H72 Cd8 Co3 N12 O54 |
| ZIGFEC | C18 H6 Cr3 O12 |

| CSD Code | Composition |
|---|---|
| ZIJSAO | C330 H534 N51 O75 Tb3 |
| ZILBUT | C48 H36 O19 Zn4 |
| ZITPAX | C9 H13 Cu2 N5 S3 |
| ZITRUP | C8 H12 Li1 N5 Zn1 |
| ZIYWIQ | C160 H126 N16 O32 U4 |
| ZIYWUC | C160 H120 N16 O32 U4 Zn3 |
| ZIYZUF | C18 H12 Co1 N2 O4 |
| ZIZBAO | C18 H12 Fe1 N2 O4 |
| ZIZBES | C18 H12 Fe1 N2 O4 |

| CSD Code | Composition |
|---|---|
| ZIZXAL | C19 H30 N10 Ni1 |
| ZOHJOY | C84 H58 Mn6 N6 O41 P6 |
| ZOHJUE | C92 H70 Mn6 N6 O44 P6 |
| ZOXFEZ01 | C42 H52 Cd1 Cl2 N16 O12 |
| ZOZHIH | C36 H70 Ce1 Co1 N6 O38 |
| ZOZHON | C36 H62 Co1 N6 O34 Pr1 |
| ZUQVIQ | C36 H24 B1 Cr1 F4 Mn2 N6 O12 |
| ZUTBAR02 | C4 H12 Mn1 N10 |
| ZUYHIM | C40 H24 In1 N2 O8 |

**Table S2**. The CSD reference codes of MOFs and topological parameters of the corresponding 131 TPMSs

| CSD Refcode | Strong rings | SG | Net topology #1 | Net topology #2 |
|---|---|---|---|---|
| VAMQOS | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| VAMQOS | 4b,12lv | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| HEJGAI | 4a,4b,8g,8h,8n,8r | *P4/mmm* | **kty** | 3,4,12T41 |
| BAZFUF | 8b | *Pm*$\bar{3}$*n* | **pcu** | **pcu** |
| GENMEU | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| GENMEU | 4b,12lv | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| CADYUF | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| CADYUF | 4b,12lv | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| SAPBIW | 4b,5a | *Ia*$\bar{3}$*d* | **gan** | **lcs** |
| AXINAX01 | 8c,10b | *C2/m* | **pcu** | **sql** |
| ZIZBES | 4a,6a | *R*$\bar{3}$*m* | **pcu** | **pcu** |
| ADASEF | 6a,8c | *Fm*$\bar{3}$*m* | **pcu** | **pcu** |
| ADASAB | 6a,8c | *Fm*$\bar{3}$*m* | **pcu** | **pcu** |
| FILBAG | 6a,8b | $P4_132$ | **srs** | **srs** |
| VEJYIT | 8c | *I4/mmm* | **pcu** | **pcu** |
| MINMAA | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| IZEPAF | 3a,4b | *Pm*$\bar{3}$*m* | **pcu** | **pcu** |
| ACEMAA | 6b | $I4_132$ | **srs** | **srs** |
| ACEMEE | 6b | $I4_132$ | **srs** | **srs** |
| ADIPAI | 6b | $I4_132$ | **srs** | **srs** |
| CIRRED | 3a,8e | *Fddd* | **dia** | **ths** |
| TOCJAY | 4b,5a | *Ia*$\bar{3}$*d* | **gan** | **lcs** |
| FAWCEN | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| LAJLAL12 | 4c | *Im*$\bar{3}$*m* | **nbo** | **bcu** |
| ZEQYON | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| YIBZOC | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| OFERUN02 | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| NIFNOI | 6a | *Im*$\bar{3}$*m* | **pcu** | **pcu** |
| SATNOR05 | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| SATNOR05 | 4b,12lv | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| SATNOR02 | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| SATNOR02 | 4b,12lv | *R*$\bar{3}$*m* | **dia** | **llw-z** |
| SATNOR01 | 4d,12il | *R*$\bar{3}$*m* | **dia** | **llw-z** |

| | | | | |
|---|---|---|---|---|
| SATNOR01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| SATNOR | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| SATNOR | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| MOHGEY | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| MOHGEY | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO02 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO02 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO01 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKIO | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNIB01 | 4a,12d,12f | $R\bar{3}$ | **srs** | **srs** |
| COKNIB03 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNIB03 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNIB | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNIB | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKEK | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKEK | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLOV | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLOV | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CODPIX | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| CODPIX | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CAXVII | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| CAXVII | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKUA | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKUA | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJAF | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJAF | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLEL | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLEL | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CODQAQ | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| CODQAQ | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CODQEU | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| CODQEU | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |

| | | | | |
|---|---|---|---|---|
| KOSJEJ | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJEJ | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJIN | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJIN | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJOT | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJOT | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJUZ | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSJUZ | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLIP | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLIP | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| OZUMIH | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| OZUMIH | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| OZULAY | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| OZULAY | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CAXVOO | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| CAXVOO | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKAG | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSKAG | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLAH | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLAH | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOQVAB | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOQVAB | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNOH01 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNOH01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| CPKNOH | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNOH | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| MIHWAE | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| MIHWAE | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| MOHGOI | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| MOHGOI | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN03 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN03 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN02 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN02 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |

| | | | | |
|---|---|---|---|---|
| COKNUN01 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| COKNUN | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ02 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ02 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ01 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLUB | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSLUB | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| LECQEQ | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF02 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF02 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF01 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF01 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF04 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF04 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF03 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| WOBHIF03 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| SATNOR04 | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| SATNOR04 | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSMAI | 4d,12il | $R\bar{3}m$ | **dia** | **llw-z** |
| KOSMAI | 4b,12lv | $R\bar{3}m$ | **dia** | **llw-z** |
| YUSWEP | 4a,4b,6e,8d,8i | $Im\bar{3}m$ | **ocu** | **twf** |
| ADATIK | 6a,8d | $Fm\bar{3}m$ | **pcu** | **pcu** |

**Table S3**. The nine topologically different TPMSs obtained from MOFs.

| TPMS | SG | MDLNs topology |
|---|---|---|
| P, P-like, P-disp | *Im*$\bar{3}$*m*, *Pm*$\bar{3}$*n*, *Fm*$\bar{3}$*m*, *I4/mmm*, *R*$\bar{3}$*m* | **pcu**; **pcu** |
| D | *Fddd* | **dia**; **dia** |
| C(D) or Disphenoid | *R*$\bar{3}$*m* | **dia**; **llw-z** |
| G | *I*4$_1$32, *P*4$_1$32, *R*$\bar{3}$ | **srs**; **srs** |
| I-WP | *Im*$\bar{3}$*m* | **nbo**; **bcu** |
| Shoen's I-8 | *C2/m* | **pcu**; **sql** |
| *9HEJGAI | *P4/mmm* | **kty**; 3,4,12T41 |
| *18YUSWEP | *Im*$\bar{3}$*m* | **twf**; **ocu** |
| *13SAPBIW | *Ia*$\bar{3}$*d* | **lcs**; **gan** |