

Triply periodic surfaces based on metal-organic frameworks

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Supporting Information

Table S1. List of the CSD codes of the metal-organic frameworks

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
ACEMAA ^{&,a}	C38 H22 Cu3 F2 N9 O4	BALWUK ^a	C18 H10 N2 Ni1 O4	CAHWAN ^a	C16 H20 Ag1 B1 N8
ACEMEE ^{&,a}	C38 H24 Cu3 N9 O4	BAZCOW	C26 H22 Cl2 Cr1 In1 Mn1 N4 O14	CATZIJ	C42 H28 Fe3 O16
ACUFEK	C216 H280 Cu12 N24 O116 S12	BAZCUC	C26 H22 Br2 Cr1 Fe1 Mn1 N4 O14	CAVPUM ^a	C141 H93 N7 O26 Zn6
ACUSID	C123 H88 Cd4 N12 O28 S8	BAZDAJ	C26.5 H23.5 Cl2 Cr1 Fe1 Mn1 N4.5 O15	CAXVII ^a	C8 H2 D2.66 Fe2 O6
ADASAB ^a	C196 H108 Cu22 N37 O78	BAZFUF ^a	C108 H72 Cu6 O30	CAXVOO ^a	C8 H2 D8.64 Fe2 O6
ADASEF ^a	C180 H132 Cu24 N48 O76	BAZFUF01 ^a	C108 H72 Cu6 O30	CAZGOZ	C120 H148 Fe4 Mo12 N24 O76
ADATAAC	C102 H72 N12 O36 Zn6	BAZGAM	C180 H120 Cu6 O30	CEFNEJ ^a	C60 H30 Cu3 O15
ADATIK ^a	C96 H96 Cu12 N30 O56	BAZGEQ ^a	C168 H108 Cu6 N12 O30	CEFNIN ^a	C84 H54 Cu3 O15
ADIPAI ^{&,a}	C42 H50 Cu3 N11 O12	BEDYEQ ^a	C48 H32 Cl1 Fe1 N4 O16 Zr3	CEFNOT ^a	C96 H54 Cu3 O15
ADUJER ^a	C24 H17 Cl2 N9 Ni1	BEGZAS	C22 H16 Cu1 N4 O4	CEMBII	C63 H42 O22 Zr2
ADUROI ^a	C24 H29 N4 O11.5 Zn1	BEGZEW ^a	C66 H48 Cu3 N12 O12	CENQAP	C205 H280 N32 O46 Zn4
ADUWON ^a	C129 H183 N9 Ni3 O60	BEWCUD	C103 H83 N5 O29 Zn5	CIPKEV	C14 H28 Bi1 K1 N8 O18
AGOF EJ	C140 H188 Cu6 N30 O38	BIBXOB	C55.5 H89.5 N14.5 Ni4 O28	CIPMIB	C14 H28 Bi1 Cs1 N8 O18
AGUVOO	C48 H56 Cu6 F24 N48 O30	BICPUA ^a	C66 H42 O16 Yb3	CIRRED ^a	C43 H21 Co3 N2 O14
ALULEZ	C144 H289 Ce3 N12 O83 S30	BIDPAH ^a	C56 H95 In1 N6 O16	CIRTUU	C159 H255 Cu6 N3 O63 S36
ANUG EW	C84 H56 Cu6 O30	BIDPOV	C30 H16 Cu2 O10	COCMOY	C128 H200 Cl1 Mn4 N56 O24 Si2
ANUG IA	C28 H18 Cu2 O10	BIGZUO ^a	C36 H32 Ag3 Cr3 N10 O29	CODPIX ^a	C8 H2 D14.24 Co2 O6
ANUG OG	C28 H18 Cu2 O10	BIHBAX ^a	C72 H62 Ag6 B1 Cr6 F4 N15 O42	CODPOD ^a	C8 H2 D5.38 Co2 O6
ATEYED	C56 H92 Co2 N16 O26 S2	BIHROC	C62 H66 Cu3 N2 O23	CODQAQ ^a	C8 H2 D4.16 Co2 O6
AVETAY	C56 H50 N4 O24 Zn3	BINROH ^a	C148 H202 Cu3 N14 O29	CODQEU ^a	C8 H2 D4.54 Co2 O6
AWOREM02	C16 H24 N10 Ni1	BINRUN ^a	C126 H160 N16 O31 Zn3	COJHIT	C44 H64 Co2 N12 O6
AWOROW01	C16 H24 Co1 N10	BINSAU ^a	C78 H48 Mn3 O15	COKNIB ^a	C8 H2 Cu2 O6
AWORUC01	C16 H24 Mn1 N10	BIPSUQ	C80 H52 Cu7 N4 O30	COKNIB01 ^a	C8 H2 Cu2 O6
AXAFIO	C36 H24 Cu2 N6 O12 Ru1	BOCFIL	C104 H96 Ag4 B12 F48 N40 O4 Pt4	COKNIB02 ^a	C8 H2 Cu2 O6
AXINAX01 ^a	C162 H138 Co11 O60	BOCKOW	C330 H228 N24 O78 Zn24	COKNIB03 ^a	C8 H2 Cu2 O6
AZUHUB	C20 H17 Fe1 N1 O14 P2 Zn2	BOMBAJ	C27 H20 Co2 N4 O8	COKNOH ^a	C8 H2 Fe2 O6
AZUJAJ	C16 H8 Cu1 O14 P2 Zn2	CADYUF ^a	C12 H4 Mn2 O6	COKNOH01 ^a	C8 H2 Fe2 O6
AZUJIR	C20 H17 Co1 N1 O14 P2 Zn2			COKNUN ^a	C8 H2 Mn2 O6
BADYAJ	C54 H48 N14 O16 Tb2			COKNUN01 ^a	C8 H2 Mn2 O6
				COKNUN02 ^a	C8 H2 Mn2 O6
				COKNUN03 ^a	C8 H2 Mn2 O6
				CONBIT ^a	C46 H34 Co2 N6 O9
				COZLIP ^a	C10 H6 N4 Zn1

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
COZLUB [Ⓢ]	C10 H6 Cd1 N4	DITJOH	C53 H32 O16 Zr3	DOTSOV25	C36 H12 Cu6 O24
CUBBEI	C42 H34 O12 Zn3	DIZQEL	C42 H30 In1 N3 O8	DOTSOV26	C36 H12 Cu6 O24
CUCFOX ^{&}	C16 H22 N12 O8 Zn1	DODBUV	C48 H34 N4 O16 Zr3	DOTSOV27	C36 H12 Cu6 O24
CUFFAL [Ⓢ]	C84 H120 In3 N3 O24	DOLDEO [Ⓢ]	C160 H508 Mn12 N40	DOTSOV28	C36 H12 Cu6 O24
CUFRUQ	C36 H24 Cr1 Li1 N6 O12 Ru1	DOQHAV	O356 Si7 W72 C94 H110 N4 O20 Zn3	DOTSOV29	C36 H12 Cu6 O24
CUFSAX	C36 H24 Co1 Cr1 Li1 N6 O12	DORNAB	C144 H84 Cu12 N4 O60	DOTSOV30	C36 H12 Cu6 O24
CUFSAX01	C36 H24 Co1 Cr1 Li1 N6 O12	DOTSOV	C36 H12 Cu6 O24	DOTSOV31	C36 H12 Cu6 O24
CUHNID ^{&}	C64 H124 Mo12 N3 O50 P1 Zn4	DOTSOV01	C36 H12 Cu6 O24	DOTSOV32	C36 H12 Cu6 O24
CUMMEE	C36 H18 Cd2 N6 O12 Ru1	DOTSOV02	C36 H12 Cu6 O24	DOTSOV33	C36 H12 Cu6 O24
CUSYAR	C58 H28 O13 Zn4	DOTSOV03	C36 H12 Cu6 O24	DOTSOV34	C36 H12 Cu6 O24
CUVTOD	C78 H111 N15 O25 Zn4	DOTSOV04	C36 H12 Cu6 O24	DOTSOV35	C36 H12 Cu6 O24
DABWUA	C32 H20 Cu2 N8 O8	DOTSOV05	C36 H12 Cu6 O24	DOTSOV36	C36 H12 Cu6 O24
DABWUA01	C32 H20 Cu2 N8 O8	DOTSOV06	C36 H12 Cu6 O24	DOTSOV37	C36 H12 Cu6 O24
DAGFUP	C12 H27 Ag3 Br6 N4	DOTSOV07	C36 H12 Cu6 O24	DOTSOV38	C36 H12 Cu6 O24
DAGGAW	C12 H27 Ag3 Br6 N4	DOTSOV08	C36 H12 Cu6 O24	DOTSOV40	C36 H12 Cu6 O24
DAGGIE	C12 H27 Ag3 I6 N4	DOTSOV09	C36 H12 Cu6 O24	DOTSOV41	C36 H12 Cu6 O24
DANWAS	C9 H4 N12 Zn1	DOTSOV10	C36 H12 Cu6 O24	DOTSOV42	C36 H12 Cu6 O24
DAPBAZ	C137 H97.84 N5.28 O92.36 Zn18.66	DOTSOV11	C36 H12 Cu6 O24	DOTSOV43	C18 H6 Cu3 O12
DAPXID	C30 H96.5 Cu3 Mn2 N6 Na2 O60.25	DOTSOV12	C36 H12 Cu6 O24	DOTSOV44	C18 H6 Cu3 O12
DAWMIB	C46 H70 B2 Cu2 Fe1 N10 O24	DOTSOV13	C36 H12 Cu6 O24	DOTSOV45	C18 H6 Cu3 O12
DAWMUL	C288 H144 Cu12 O48	DOTSOV14	C36 H12 Cu6 O24	DOTTUC	C24 H44 In1 N1 O10
DEFWUK ^{&}	C41 H49 Co2 N5 O16	DOTSOV15	C36 H12 Cu6 O24	DUKYIT	C16 H16 Co1 N4
DEMZII	C30 H50 In1 N5 O17	DOTSOV16	C36 H12 Cu6 O24	DUXZIG01	C4 N4 Ni1 Zn1
DEYVUA	C13 H7 N1 O4 Zn1	DOTSOV17	C36 H12 Cu6 O24	ECAHUN ^{&}	C30 H24 N2 O4 Zn1
DEZGOI	C14 H34 I6 N4 O1 Rb2	DOTSOV18	C36 H12 Cu6 O24	ECOKAJ	C63 H59 N17 O22 Zn3
DIDBID ^{&}	C24 H16 Co1 N2 O4	DOTSOV19	C36 H12 Cu6 O24	ECOLEP	C9 H15 Co2 N12 O6
DIDDOK	C46 H48 N4 O16 Zn2	DOTSOV20	C36 H12 Cu6 O24	EDUSIF	C59 H95 N7 O23 Zn4
DIHRIY	C48 H30 Eu2 N12 O12	DOTSOV21	C36 H12 Cu6 O24	EDUVOO	C84 H100 N6 O24 Zn4
		DOTSOV23	C36 H12 Cu6 O24	EFAYEQ	C332 H500 Cu8 N52 O100
		DOTSOV24	C36 H12 Cu6 O24	EFAYIU	C320 H472 N48 O96 Zn8
				EHAFOI [Ⓢ]	C166 H126 N28 O28 Zn9

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
EHAUFUR	C176 H152 N52 O36 Zn13	FEMJUG ³	C18 H18 Dy1 N1 O10	GENMEU ³	C12 H10 Co2 O6
EHIAH	C120 H72 N6 O26 Zn8	FENVOL	C21 H31 N1 O20 P2 Zn3	GERBEN	C40 H32 O16 Zr3
ELENOB	C32 H16 Co3 N8 O8	FEVFUJ ^{&}	C90 H60 Cu6 N12	GERXAF	C75 H71 N6 O28 P3 Zr3
ENITAX	C76 H128 Cu2 N12 O22 Si1	FEVNIE	C320 H356 Cl2 F48 N38 O109	GERXEJ	C32 H34 O17 Th3
EPOTAF	C67 H105 Cu2 N7 O28	FEZCIX	S16 Yb2 C78 H140 Cu12	GEVWAI	C18 H6 Cr3 O12
EPOXOZ	C24 H24 Ag2 F6 N12 O4 S4	FEZCOD	C39 H70 Cu6 Eu1 N19 O10	GIJLIX ³	C23 H16 Cd3 O14
EPUVAN	C63 H76 F9 Gd1 N6 O22 S3	FEZCUJ	C39 H70 Cu6 Er1 N19 O10	GILGAM ³	C16 H10 Cu1 N4 O4
ETOVOB	C29 H16 Ce1 O8	FIDRIV	C38 H54 Dy1 Na1 O20	GIPFAP	C40 H29 N1 O16 Zr3
EWUCOP	C24 H26 Cu2 N10 O12	FIFGEI ³	C42 H30 In3 N1 O19	GISNED	C191 H414 N46 O48 Zn8
EZIMAC ³	C15 H7 Cu1 N1 O4	FILBAG ³	C196 H286 N52 O58 Zn5	GITGOJ	C24 H64 Cl28 N8 Pb10
EZUCIM	C17 H24 N4 O8 Zn1	FIMFIT	C78 H88 Ag4 F12 N24 O22 S6	GITTIN ³	C6 H4 Co1 N6 O4
FAHPOV	C66 H70 N6 O21 Zn4	FINGAN	C71 H109 Dy3 N16 O30	GITTOT ³	C48 H68 Co6 N24 O4
FALTUK	C48 H22 Cu4 N4 O20	FIPCAL	C84 H56 Cl4 Co2 N8 O32 Zr6	GITTOT01 ³	C8 H10 Co1 N4
FAWCEN ³	C48 H76 N24 O8 Zn6	FIPCEP	C36 H26 Cl6 Co3 N6 O16 Zr3	GITTOT02 ³	C8 H10 Co1 N4
FAWCEN01 ³	C48 H76 N24 O8 Zn6	FIZWAP ^{&}	C24 H16 N2 Ni1 O4	GIXTUF ³	C24 H33 Cd1 N3 O10 S1
FAWCEN02 ³	C48 H76 N24 O8 Zn6	FIZWET ^{&}	C24 H16 N2 O4 Zn1	GOVSER	C108 H64 O16 Zn4
FAWCEN03 ³	C8 H10 N4 Zn1	FIZXIY ^{&}	C36 H24 Co1 N2 O4	GULWIU	C69 H142 Cd4 Cl3 N31 O24
FAWCEN04 ³	C8 H10 N4 Zn1	FIZXOE ^{&}	C36 H24 N2 Ni1 O4	GUMZEV	C4 H28 Cu8 Ge5 N8 S16
FAZPON	C136 H80 Br3 Cl3 N4 O40 Zn12	FIZYIZ	C12 H28 Br6 K2 N4	GUNFAW01	C36 H24 Cl1 Cr1 Mn1 N6 O16 Ru1
FAZPUT	C136 H80 Cl6 N4 O40 Zn12	FUNBOG	C47 H31 Br2 N5 O9 Zn2	GUPBEZ02	C96 H192 Cu32 I32 N32
FAZQAA	C136 H80 Cl3 I3 N4 O40 Zn12	FUNCEX	C49 H31 Br2 N7 O9 Zn2	GUPCUQ01 ³	C6 H4 Cd1 N6 O4
FAZQII	C139 H80 Cl3 N1 O46 Zn12	FUNGED	C18 H6 Cu3 O12	GUXQUM	C105 H119 N5 O37 Zn5
FAZQUU	C157 H101 B3 Cl3 N1 O49 Zn12	FUQJIN01	C6 H10 Br6 N2 Pb2	HABQUY	C126 H222 Cu3 N22 O56
FEBXIV	C129 H252 Cu2 N27 O58 P1	GALHUY ^{&}	C28 H16 In1 O8	HAFGUT ³	C19 H11 Cu1 N3 O5
FEDBAV ³	C156 H86 Co7 N48 O2	GAVYOV	C16 H20 Ag4 I6 N4	HAVZIP	C52 H52 As2 Co2 N10 O70 W18
FEFCAY	C28 H16 Cu1 N2 O4	GAWZOX ^{&}	C58.5 H74.5 In1 N8.5 O15.5	HEJCIL ^{&}	C28 H20 Cu1 N2 O4
FEHCOM	C24 H20 N4 O4 Zn2	GAXKUN ^{&}	C24 H16 Cd1 N2 O4	HEJGAI ³	C102 H48 Cu12 O48
FEHHEI ³	C8 H10 Mn1 N4	GEKCAD	In12 S34 Sn4	HEJZAB	C68.5 H86.5 Cd3 N7.5 O29.5
FEJDII02	C6 H14 N4 O12 P4 Zn3	GENCEK ³	C17 H9 Cu1 N1 O4	HERHAQ	C80 H60 Br6 O32 Zr6
FEMJOA ³	C18 H18 Gd1 N1 O10			HERHOE ³	C40 H32 N2 O16 Zr3

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
HERHUK02 ³	C40 H30 O18 Zr3	IGEXOH	C5 H17 N1 O10 P2 Zn1	JIRGOJ	C26 H36 Co1 N16 O7
HEXVEM	C48 H36 Cu3 N12 O15	IGOGOD ³	C20 H28 N8 Zn2	JIVFUQ	C12 H20 N2 O10 P2 Zn1
HEYTIO	C36 H24 Mn2 N6 Ni1 O12	IMIDZB13	C12 H12 N8 Zn2	JOCMOG	C12 H10 Cl2 Cu3 N6 O12
HEYTUA	C36 H24 Cr1 Fe1 Li1 N6 O12	IPERON	C7 H16 I3 K1 N2	JODGIU ^{&}	C24 H16 Co1 N2 O4
HEZGIG ³	C6 H4 Cu1 N6 O4	IPOFEA	C9 H16 Cu2 N4 O1	JOFCOE ³	C14 H8 Cu1 N2 O5
HICBAZ	C116 H72 O32 Zr6	IPUPOA	C168 H112 Cu12 O60	JOGRUT	C52 H54 Co2 N10 O71 P2 W18
HICCUU	C44 H30 Hf3 O16	ISOJOQ	C20 H28 In1 O8	JOGSAA	C52 H52 N10 Ni2 O70 P2 W18
HICNIT ³	C44 H30 O16 Zr3	IVOCON	C9 H29 N3 O12 P4 Zn3	JOJKOK	C36 H12 Cl4 N18 O6 Zn5
HICNOZ ³	C44 H30 O16 Zr3	IVOTAR	C37 H27 Cu2 N1 O10	JOJKUQ	C40 H16 N18 O14 Zn5
HICNUF	C110 H70 O32 Zr6	IYUCIQ	C48 H36 Dy2 N12 O15	JOPGUS	C15 H21 Co1 N1 O7
HICPAN	C234 H142 O64 Zr12	IZEPAF ³	C24 H18 Cr3 F3 O16	JOTDII	C46 H58 Co1 N6 Na2 O18
HICPER	C250 H144 O64 Zr12	IZEPEJ ³	C96 H72 Cr12 F12 O64	JOTYUP	C14 H8 N4 O4 Zn1
HICPIV	C126 H72 O32 Zr6	IZIKOT02	C10 H14 Fe1 K1 N10	KAGCOM ³	C184 H602 Co12 N46 O382 Si7 W72
HIFMEP	C28 H20 Cu1 N6 P1	IZOWAW	C180 H384 Mo36 N9 O162 P3 Zn12	KAGCUS ³	C184 H602 Co12 Ge7 N46 O382 W72
HIFTOG01	C24 H12 O13 Zn4	IZOWEA	C57 H114 Mo12 N3 O46 P1 Zn4	KAGDAZ ³	C160 H536 Co12 N40 O376 Si7 W72
HIFVUO	C6 H6 N4 Zn1	IZUSAY	C72 H72 N6 O22 Zn4	KECLAJ	C76 H110 Cu2 N4 O8
HIHNUJ	C16 H6 In1 O8	IZUSEC	C72 H83 N11 O21 Zn4	KEGZOL	C8 H12 Cu1 N5 Zn1
HISSEI	C36 H24 Co3 N6 O12	JAPWUW	C8 H18 Cu6 I8 N2	KEGZOL01	C8 H12 Cu1 N5 Zn1
HIWLEG	C6 H19 N2 O9 P3 Zn2	JAZHUQ	C216 H172 Cu36 N72 O173 Zn38	KEPLIE	C54 H116 N27 O47.49 Zn3
HIWLIK	C6 H22 N2 O13 P4 Zn3	JAZJAY	C76 H82 Cu12 N26 O69 Zn16	KEQDER	C66 H36 O20 Zn4
HIWLUW	C9 H26 N2 O12 P4 Zn3	JAZKII	C25 H29 N5 O6 Zn1	KERGUM01	C80 H130 Cu2 N14 O24
HIYCUQ ^{&}	C102 H168 Cu3 N14 O38	JEDVIA	C9 H6 O7 Zn1	KERHAT01	C92 H140 Cu2 O28
HOHMIB ³	C75 H125 N15 O26 Zn2	JEHBEG	C120 H72 N24 O39 Zn12	KERHEX01	C45 H46 Cl14 Cu2 O10
HOKMUR	C16 H24 N32 Zn4	JEHBOQ	C132 H80 N24 O39 Zn12	KESCAP01	C78 H120 Cu2 N8 O18
HOQTUF	C74 H46 N6 Ni3 O18	JEJWEB	C216 H156 N16 O60 Zn16	KEVCIA	C48 H34 Hf3 N4 O18
HORZAS	C68 H54 Cd2 N6 O10	JETKIF ³	C310 H333 Cl3 N23 O126 Rh3 Zr12	KEWNUX	C96 H96 Cu12 N24 O136 P4 W36
HOYKUD	C13 H8 Cu1 N2 O4	JETVOW ³	C14 H6 O6 Zn2	KIKRAA	C38 H36 B2 Cu2 F8 N10 O1
HOYQIX ³	C15 H7 Cu1 O6	JIHQIE ^{&}	C26 H20 Cu1 F6 N8 O4 Si1		
HOYRAQ	C12 H7 Cu1 N3 O4	JIPLIH ³	C39 H18 F3 N3 O12 Zn3		
ICARAH	C180 H120 Cu6 N6 O36				
ICITEU ³	C196 H254 Fe12 N28 O97 S12				

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
KIVLIO	C24 Cu4 N6 O12	LAJLAL09 ³	C48 H82 K2 O42	LELFUG	C79 H110 Br2 N12 O26 Zn2
KIXHIL	C34 H36 Cu8 N20	LAJLAL10 ³	C48 H82 K2 O42	LEVFAW	C200 H120 Cu10 N8 O40
KOFLEZ	C102 H84 N6 Ni6 O28 P4	LAJLAL11 ³	C48 H82 K2 O42	LEYTER	C102 H118 Cl2 Cu4 N34 O34
KOGCER	C300 H518 Cu24 O223 S19	LAJLAL12 ³	C48 H82 K2 O42	LEYTIV	C114 H106 Cl2 Cu4 N28 O28
KOJYUG	C87 H137 In1 N18 O24	LAJLAL13 ³	C48 H82 K2 O42	LICGOW ³	C44 H30 O16 Zr3
KOPHOO	C86 H60 N2 O26 Zn8	LAJLAL15 ³	C48 H82 K2 O42	LIHFAK	C48 H30 O13 Zn4
KOPJUX	C96 H64 N12 O32 Zr6	LAJLAL16 ³	C48 H82 K2 O42	LIJTEH ^{&}	C88 H44 In2 N8 O16
KOPLIN	C35 H40 K5 Mn5 N13 O32	LAJLEP	C48 H82 O42 Rb2	LIKZAJ ³	C30 H14 Cu2 N2 O14
KOSJAF ³	C8 H2 D3.38 Co2 O6	LAPQIG	C48 H18 F6 Fe2 N12	LIRVAK ^{&}	C80 H102 Cu2 N12 O20
KOSJEJ ³	C8 H2 D4.74 Co2 O6	LAPQOM	C48 H12 F12 Fe2 N12	LOBBOW ³	C62 H38 Fe3 O16
KOSJIN ³	C8 H2 D5.42 Co2 O6	LATFOC	C24 H12 Ar1 O13 Zn4	LOBQAX	C91 H70 N5 Na1 O37 S1 Zr6
KOSJOT ³	C8 H2 D6.94 Co2 O6	LATFUI	C24 H12 N2 O13 Zn4	LOPJOS	C76 H62 Cd4 N24 O16
KOSJUZ ³	C8 H2 D7.46 Co2 O6	LAWFOF	C24 H12 Ar6.47 O13 Zn4	LUKLIN	C42 H24 Cu3 O15
KOSKAG ³	C8 H2 D8.98 Co2 O6	LAWFUL	C24 H12 Ar9.94 O13 Zn4	LURGEL	C51 H36 N2 O8 Si1 Zn2
KOSKEK ³	C8 H2 D11.26 Co2 O6	LAWGAS	C24 H12 Ar10.22 O13 Zn4	LUVNUO ³	C60 H36 N18 Ni3
KOSKIO ³	C8 H2 Co2 O6	LAWGEW	C24 H12 N4.96 O13 Zn4	LUVPAW ^{7&3}	C60 H36 N18 Ni3
KOSKIO01 ³	C8 H2 Co2 O6	LAWGIA	C24 H12 N8.56 O13 Zn4	MAGBON	C20 H27 N1 O19 P2 Zn3
KOSKIO02 ³	C8 H2 Co2 O6	LAWGOG	C24 H12 N12.94 O13 Zn4	MALSAW ³	C14 H2 D7.48 Fe2 O6
KOSKUA ³	C8 H2 D3.18 Co2 O6	LAWGUM	C24 H12 N13.78 O13 Zn4	MALSEA ³	C14 H2 D10.4 Fe2 O6
KOSLAH ³	C8 H2 D9.84 Co2 O6	LAWBEW	C118 H130 Mn3 N12 O26	MALSIE ³	C14 H2 D15.28 Fe2 O6
KOSLEL ³	C8 H2 D3.94 Ni2 O6	LECQEQ ³	C8 H2 Ni2 O6	MALSOK ³	C14 H2 D22.28 Fe2 O6
KOSLIP ³	C8 H2 D7.7 Ni2 O6	LECQEQ01 ³	C8 H2 Ni2 O6	MAPFER ³	C156 H186 N12 O24 Zn3
KOSLOV ³	C8 H2 D11.54 Ni2 O6	LECQEQ02 ³	C8 H2 Ni2 O6	MECMEQ	C23 H16 In1 N1 O8
KOSLUB ³	C8 H2 Ni2 O6	LEDQOE	C32 H17 Eu1 N2 O8	MEHMET	C42 H18 Cu3 O15
KOSMAI ³	C8 H4.1 Co2 O6	LEDWUQ	C35 H52 Mn2 N20	MEJMOE	C94 H82 Fe7 O13 Zn4
KOTPUG	C5 H16 Al1 B5 N3 O10	LEGGAI	C42 H28 Fe3 O16	MEPSEJ	C20 H34 Cd1 N2 O14
LAJLAL02 ³	C48 H82 K2 O42	LEJCAG	C111 H96 O50 Zn8	MERLAZ	C144 H80 Cl1 Fe9 N12 O32
LAJLAL03 ³	C48 H82 K2 O42	LEJCEK	C135 H120 O50 Zn8	MERLED	C144 H82 Co3 Fe6 N12 O32
LAJLAL04 ³	C48 H82 K2 O42	LEJCIO	C147 H96 O38 Zn8	MEVMEI	C98 H80 N4 O32 U4
LAJLAL05 ³	C48 H82 K2 O42	LELDUD	C34 H20 Cu2 N2 O10	MEWPQI ³	C16 H13 N1 O4 Zn1
LAJLAL07 ³	C48 H82 K2 O42				
LAJLAL08 ³	C48 H82 K2 O42				

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
MEXYOG	C63 H57 N4 Np3 O20	MIRKIK [Ⓐ]	C74.25 H86.25 Ag2 B4 Cl18.75	NIBHUC	C248 H240 Cu12 N64 O92
MIBQAR	C24 H12 O13 Zn4		F16 N4 O16 S4	NIBJAK	C116 H86 Cu6 N30 O36
MIBQAR01	C24 H12 O13 Zn4	MISZEW [Ⓐ]	C18 H12 Cu1 N2 O4	NIFNOI [Ⓐ]	C8 H10 N4 Zn1
MIBQAR02	C24 H12 O13 Zn4	MISZIA [Ⓐ]	C17 H10 Cu1 N2 O4	NIFPEA [Ⓐ]	C8 H10 Ar5.5 N4 Zn1
MIBQAR03	C24 H12 O13 Zn4	MISZOG [Ⓐ]	C18 H12 Cu1 N2 O4	NIFSUT [Ⓐ]	C13.5 H32 N4 Zn1
MIBQAR04	C24 H12 O13 Zn4	MIT SIS	C33 H33 Cd3 N1 O21	NIGDIS	C78 H36 Cu6 O30
MIBQAR05	C24 H12 O13 Zn4	MIT SUE	C18 H25 Cd1 N1 O6	NIHGUJ	C210 H116 N8 O64 Zr12
MIBQAR06	C24 H12 O13 Zn4	MIXZOK [Ⓐ]	C108 H155 N11 Ni3 O33	NIHSIJ	C178 H258 N14 O56 Zn8
MIBQAR07	C24 H12 O13 Zn4	MOHGEY [Ⓐ]	C8 H2 Co2 O6	NIHWIN	C474 H726 N48 O114 Zn12
MIBQAR08	C24 H12 O13 Zn4	MOHGOI [Ⓐ]	C8 H2 Mg2 O6	NIKPUV	C37.78 H16 D15.12 Cu2 N2 O8
MIBQAR09	C24 H12 O13 Zn4	MOSDIJ [Ⓐ]	C510 H136 Fe51 O272 S102	NIKQAC	C40.5 H16 D26 Cu2 N2 O8
MIBQAR10	C24 H12 O13 Zn4	MUBZOA	C144 H78 O36 Zr6	NIKQEG	C35.59 H16 D6.34 Cu2 N2 O8
MIBQAR11	C24 H12 O13 Zn4	MUDTAH	C39 H27 N1 O17 Zn3	NIKQIK	C34 H16 Cu2 N2 O8
MIBQAR12	C24 H12 O13 Zn4	NAFSOF	C40 H26 Cu2 O10	NIMNUW	C12 H26 N4 O12 P4 Zn3
MIBQAR13	C24 H12 O13 Zn4	NAJZII	C54 H99 N12 Ni1.5 O46 P6 Zn7	NIMQEH	C101.5 H166.8 Cu4 N21.83 O41.83
MIBQAR14	C24 H12 O13 Zn4	NAYZOE [Ⓐ]	C110 H180 Cu6 N4 O64	NIRZ AQ	C29 H21 N3 O15 Zn4
MIBQAR15	C24 H12 O13 Zn4	NEJHOC [Ⓐ]	C154 H144 N17 O47 Tb9	NODKUN	C50 H61 In1 N6 O19 S2
MIBQAR16	C24 H12 O13 Zn4	NEJJ EU [Ⓐ]	C154 H144 N17 O47 Y9	NOHSIM	C8 H30 N2 O16 P4 Zn2
MIBQAR17	C24 H12 O13 Zn4	NENQIJ [Ⓐ]	C266 H608 In40 N38 Se79	NOMDIF	C21 H10 In1 N1 O8
MIBQAR18	C24 H12 O13 Zn4	NETTOY	C15 H15 In3 Mn1 N8 O24	NOMDUR	C21 H9 In1 N1 O8
MIBQAR19	C24 H12 O13 Zn4	NETTUE	C15 H15 In3 N8 O24 Zn1	NOZZUZ [Ⓐ]	C56 H32 Cd3 O16 Si2
MIBQAR20	C24 H12 O13 Zn4	NETVAM	C15 H15 Co1 In3 N8 O24	NUFTOY ^{&}	C33 H39 In1 N2 O11
MIFKEU	C82 H56 Br2 N6 O14 Zn2	NETVEQ	C15 H15 In3 Mg1 N8 O24	OBAHAD [Ⓐ]	C22 H13 N3 O4 Zn1
MIFKIY	C63 H40 Br2 N4 O11 Zn2	NEVFAY	C46 H42 Hf3 O16	OBOYEN ^{&}	C22 H20 N4 O14 Zn1
MIHWAE [Ⓐ]	C8 H2 Fe2 O6	NEVTIU	C46 H42 Hf3 O16	ODIXEG	C28 H20 O10 Si1 Zn2
MILROQ ^{&,Ⓐ}	C154 H138 Cu18 N26 O28	NEVTIU03	C46 H42 Hf3 O16	OFERUN [Ⓐ]	C8 D10 N4 Zn1
MINLON [Ⓐ]	C6 H4 N6 O4 Zn1	NEXVET	C24 H60 N16 O13 Zn4	OFERUN02 [Ⓐ]	C8 H10 N4 Zn1
MINLON01 [Ⓐ]	C6 H4 N6 O4 Zn1	NEYZAS	C14 H24 Fe1 N8 Tl1	OFERUN03 [Ⓐ]	C16 H20 N8 Zn2
MINMAA [Ⓐ]	C24 H16 N24 O16 Zn4	NEZYEA	C6 H14 Cl3 N4 Na1 O12	OFERUN04 [Ⓐ]	C8 H10 N4 Zn1
MINMAA01 [Ⓐ]	C24 H16 N24 O16 Zn4	NIBHOW	C100 H93 Cu6 N13 O43	OFERUN06 [Ⓐ]	C8 H10 N4 Zn1
				OFERUN07 [Ⓐ]	C8 H10 N4 Zn1

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OFERUN09 ³²	C8 H10 N4 Zn1	OWOQEZ01	C12 H20 Mn2 N20	PAPPAB15	C54 H24 Cu6 N12 O24
OFERUN11 ³²	C8 H10 N4 Zn1	OWOQUP	C5 H10 Mn1 N10	PAQHOI ^{&}	C312 H168 Cu12 N12 O48
OFERUN12 ³²	C8 H10 N4 Zn1	OWOREA	C14 H28 Mn2 N20	PAQHUO ^{&}	C312 H168 Cu12 N12 O48
OFOJAX	C193.2 H218.8 N6.4 O102.4 Zr12	OXUHOH	C164 H112 N16 O58 Zn8	PAQJAW ^{&}	C312 H168 Cu12 N12 O48
OGEBAF	C34 H20 Cu3 O15	OXUHOH01	C164 H112 N16 O58 Zn8	PEBWIF	C44 H24 La2 N4 O12
OGEBAF01	C34 H20 Cu3 O15	OXUWIQ	C164 H112 N16 O58 Zn8	PEDRIA	C24 H28 O13 Zn4
OGOJOJ	C39 H70 Cu6 Gd1 N19 O10	OXUYOY	C18.5 H18.5 N5.5 O5.5 Zn1	PELRIJ ³²	C60 H42 Cu3 N6 O21
OGUMAH	C48 H30 Fe4 N12 O24	OZIDEJ ³²	C8 H20 Bi1 Br6 N2 O2 Rb1	PENVEM01	C54 H26 O16 Zr3
OGUMEL	C48 H30 Fe4 N12 O24	OZUKUR01 ³²	C8 H2 D4 Mn2 O6	PESLOY	C72 H48 N8 Ni3 O12
OHAFUA ³²	C20 H13 Cu1 N3 O5	OZULAY ³²	C8 H2 D8 Mn2 O6	PESSUE	C78 H48 N12 Ni3 O12
OHAGAH ³²	C14 H9 Cu1 N1 O5	OZUMIH ³²	C8 H2 D8 Cu2 O6	PEVPUD	C76 H68 Cl3 N7 O33 Zn8
OHAGEL ³²	C14 H9 Cu1 N1 O5	PAJRUQ ³²	C36 H36 N24 Zn6	PEVQEO	C67 H50 Cl3 N7 O33 Zn8
OHAGOV	C10 H5 Cu1 N3 O4	PALTON	C24 H24 Cu1 N4 O5	PIBNUK	C60 H68 N10 O24 Zn3
OHAGOV01	C10 H5 Cu1 N3 O4	PANTUX	C54 H24 Cu6 N12 O24	PIBNUK01	C60 H68 N10 O24 Zn3
OHUKIM ³²	C108 H72 Be12 O36	PANYEK	C138 H92 Cd12 N115	PIBPJA	C69 H97 Cd3 N13 O31
OJAWII	C72 H54 Fe2 O12 P6	PAPPAB	C54 H24 Cu6 N12 O24	PICTIG	C32 H24 O20 Zn3
OJICEQ	C140 H250 N48 O128 S6 Zn3	PAPPAB01	C54 H24 Cu6 N12 O24	PIFPIE ³²	C42 H24 N2 O12 Zn3
OLOGEC	C51 H41 N5 O18 Zn4	PAPPAB02	C54 H24 Cu6 N12 O24	PIJPIL ^{&}	C34 H24 Cd1 N6 O4
ONIXOZ	C120 H48 Cu12 O48	PAPPAB03	C54 H24 Cu6 N12 O24	PIXDIM ³²	C116 H72 Cu9 N9 O26
ORIBAU	C40 H36 N2 O18 Zn3	PAPPAB04	C54 H24 Cu6 N12 O24	POBHUK	C42 H72 I18 N4 O4 Pb7
OTEDUO ³²	C114 H80 Al8 O38	PAPPAB05	C54 H24 Cu6 N12 O24	POBHUK01	C42 H72 I18 N4 O4 Pb7
OTOZII	C17 H11 Co1 N3 O4	PAPPAB06	C54 H24 Cu6 N12 O24	POBHUK02	C42 H72 I18 N4 O4 Pb7
OTOZOO	C17 H11 N3 O4 Zn1	PAPPAB07	C54 H24 Cu6 N12 O24	PODKOK	C96 H60 Cu6 N20 O30
OWITAQ	C50 H90 N2 O18 Zn2	PAPPAB08	C54 H24 Cu6 N12 O24	PODKUQ	C108 H66 Cu6 N18 O30
OWITEU	C50 H92 Co2 N2 O19	PAPPAB09	C54 H24 Cu6 N12 O24	POHWIU	C101 H60 Co5 N4 O22
OWITIY	C50 H104 Mn2 N2 O25	PAPPAB10	C54 H24 Cu6 N12 O24	POLHUW	C44 H55 N11 O16 Zn2
OWITOE	C50 H86 N2 Ni2 O16	PAPPAB11	C54 H24 Cu6 N12 O24	PONRUI	C83 H99 N19 O17 P2 Zn2
OWITUK	C50 H96 Fe2 N2 O21	PAPPAB12	C54 H24 Cu6 N12 O24	PUFYEW	C75 H51 Cd3 N21 O12
OWIVAS	C52 H86 N2 O14 Zn2	PAPPAB13	C54 H24 Cu6 N12 O24	PUKSUL	C15 H28 Cu4 N4 S4 W1
OWIZAW	C121 H220 Cu2 N12 O48	PAPPAB14	C54 H24 Cu6 N12 O24	PURBIO	C5 H20 Al1 B5 N2 O12
OWOQEZ	C12 H20 Mn2 N20				

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PURBUA	C5 H19 Al1 B5 N3 O11	RERTUG	C147 H116 Hf12 N12 O67 Ru3	SATNOR02 ³	C8 H2 Co2 O6
PUXDOE ^{&}	C52 H30 Mn1 N8 O4	RERVIW	C70 H55 Cl1 Mn3 N8 O26	SATNOR04 ³	C8 H3 Co2 O6
PUZFAU	C6 H10 Cu2 N4 O1	RIBCEN	C42 H22 Cu2 O10	SATNOR05 ³	C8 H2 Co2 O6
PUZLAZ ^{&}	C14 H12 In1 N1 O8 S2	RIBSAZ ³	C134 H106 O50 Zr9	SAYQES ³	C13.6 H27.2 Cl1 N5 O11.8 Zn1
PUZLOM	C78 H48 Co3 N30 S6	RIBSED ³	C84 H60 O32 Zr6	SAYTOD	C25 H33 Br2 Cu6 N13
PUZLUS	C102 H64 Co3 N30 S22	RIBSIH ³	C40 H32 N2 O16 Zr3	SEGCEQ ³	C90 H60 Co2 N27
QAZFEG	C33 H33 N3 O18 Zn3	RIBSON ³	C50 H46 O18 Zr3	SEMNEF	C66 H30 Cu3 O15
QECNIZ	C96 H116 N14 O26 Zn3	RICBEM	C54 H50 Cu2 O18	SEMNIJ	C78 H42 Cu3 O15
QEFWUV ³	C48 H58 Cl1 Fe1 N4 O25 Zr3	RIDGIW ³	C48 H64 B4 N24 Zn3	SENSAI	C50 H30 Cu4 O16
QEZDED	C54 H51 N3 Ni6 O28	RIMZAQ	C21.6 H50.4 Ga2 N3.6 O5.6 S13 Sn5	SINQEL	C2 H14 N6 O8 P2 Zn1
QIBTAW	C324 H368 B8 Cl4 La4 N20 O52	RINNOU	C49 H61 Cd1 N7 O18	SIRNOZ	C50 H38 O22 Ti3
QIPROY	C25 H28 Cu1 N4 O6	RIQCOM	C33 H36 Cd1 N8 O8	SIWHAJ	C20 H36 Cu7 N8 O6 S6
QIVLUE ³	C20 H4 Li2 O16 Zn2	RITCUV	C86 H56 N6 O14 Zn3	SIXFIQ ³	C24 H14 Cu1 N2 O4
QIWBOQ ³	C33 H46 N12 O12 Zn2	ROBRUW	C10 H38 N4 O20 P6 Zn4	SIXFIQ01 ³	C24 H14 Cu1 N2 O4
QUNVIG	C80 H92 Co7 F18 N16 O18 Si1	RODLUU ³	C8 H10 Fe1 N4	SOLMUD	C128 H80 Cd5 N8 O24
QUPZAE01	C12 H8 Co1 N4	ROFTEO	C38 H72 Au3 Cl1 Mn1 N8 O4	SOMVOI	C114 H84 In3 N3 O24
QUPZIM01	C12 H8 Fe1 N4	ROGMEG ³	C72 H118 N2 O13 Zn2	SOWCOY ³	C10 H5 N3 O4 Zn1
QUPZIM02	C12 H8 Fe1 N4	RONYUR	C32 H24 N10 O19 Zn6	SOWCOY01 ³	C10 H5 N3 O4 Zn1
QUQBEL	C24 H16 Fe2 N8	RONZAY	C32 H24 N10 O16 Zn6	SUFBAY ^{&}	C80 H72 Cd1 N8 O12
RAMQOP	C48 H60 Co3 N6 O20	RUTNOK	C69 H52 B1 F10 N6 O14 P1 Zn4	SUFROA ^{&}	C30 H6 Cu2 F12 N12 P2
RASGAT	C48 H104 Cu8 I8 N8 O4 S4	RUVKAV	C23 H23 Cu2 N1 O14	SUKXUS	C48 H26 O13 Zn4
RAWYAS ³	C8 H5 Cu1 N1 O4	SAFZIL ^{&}	C40 H24 In1 N2 O8	SUKYIH	C59 H90 Cu2 N6 O18
RAYMIP ³	C66 H42 In3 O16	SAHYIK	C54 H73 Cl1 N8 O21 Zn4	SUKYON	C95 H144 Cu2 N14 O29
RAYMOV ³	C66 H43 Mn3 O16	SAHYOQ02	C24 H12 O13 Zn4	SUNTIH	C12 H8 N4 Zn1
REGJUM	C32 H28 Cu1 K4 N2 O20 S4	SAHYOQ03	C24 H12 O13 Zn4	SUTBIT	C12 H8 N4 Ni1
REGXOS ³	C6 H4 Co1 N6 O4	SAHYOQ04	C24 H12 O13 Zn4	TADCOS	C6 H14 N2 O8 P2 Zn1
REJTAE ^{&}	C69 H122 Mo12 N3 O46 P1 Zn4	SAHYOQ05	C24 H12 O13 Zn4	TADWOM	C102 H66 O24 Ti1 Zn4
REJTEI	C57 H99 Mo12 N3 O46.5 P1 Zn4	SAPBIW ³	C129.5 H250.5 N36.5 O53 Zn4	TASYUJ ³	C132 H144 Cu5 N46 O66
REQQEM	C17 H10 Cd1 Cl1 N5 O4	SATNOR ³	C8 H2 Co2 O6	TASZAQ ³	C132 H132 N46 O60 Zn5
		SATNOR01 ³	C8 H2 Co2 O6	TASZEU ³	C132 H104 Cu2 Fe3 N46 O46
				TECDUE ³	C42 H42 Co2 N6 O14
				TEFNIF	C16 H10 Co1 N4

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TEFPAZ	C264 H144 Co12 N48	UWAFOO	C154 H227 N21 O36 Zn4	VEVJUD [⌚]	C17 H29 Cu2 I1 N6 O3 S1
TEQPEM	C51 H67 N7 O20 S6 Zn4	UWAFUU	C176 H166 N2 O16 Zn4	VIJTER	C37 H36 Cu3 N15 O1 S7
TETSAP	C48 H34 O17 Zr3	UYISUT	C24 H12 Cu2 N12 O8	VIRGUC	C12 H12 Ca3 Fe2 N12 O6
TEYXAZ	C84 H76 Cl12 Cu6 Hf6 N12 O32	UZAROE [⌚]	C6 H7 Co1 N7 O4	VIXWEF	C16 H12 N2 Ni2 O11
TOBQIN	C4 H18 Al1 B5 N4 O10	VACFOV ^{&}	C16 H9 In1 O8	VIYBEN ^{&}	C122 H80 Co4 N16 O16
TOCJAY [⌚]	C46 H26 N10 O13 Zn4	VACFOV01 ^{&}	C16 H9 In1 O8	VIYNEZ	C159 H149 Dy3 N20 O29
TOWSEG	C16 H10 Co1 N2 O5	VAGMAT	C130 H250 N32 O46 Zn2	VIYNID	C159 H149 Er3 N20 O29
TUQWIL	C4 H15 N1 O8 P2 Zn1	VAGMEX	C155 H281 N25 O33 Zn2	VIYNOJ	C159 H149 Ho3 N20 O29
TUQWIL01	C4 H15 N1 O8 P2 Zn1	VAGMIB	C92 H102 N28 O13 Zn2	VIYRED ^{&,⌚}	C24 H19 B3 Hf3 O20
UBULIO	C435 H762 N60 O120 Zn12	VAGMIB01	C92 H102 N28 O13 Zn2	VIYRIH ^{&,⌚}	C24 H19 B3 O20 Zr3
UFIKEC	C144 H101 Fe9 N6 O42 S12	VAGMOH	C121 H201 N31 O35 Zn2	VIYRUT ^{&}	C40 H22 In1 N2 O8
UFIRIM	C69 H46 O14 Pb3	VAMQOS [⌚]	C10 H10 Co2 O6	VOLPAP	C48 H16 O32 S8 Zn6
UFOQUE [⌚]	C71 H63 N4 O19 S3 Tb3	VASDIG	C19 H11 Cu1 N1 O4	VOYBOC	C40 H32 O16 Zn4
UFORAL [⌚]	C69 H39 N1 O17 Zr3	VAZTOG	C24 H20 O13 Zn4	VUJBEI	C63 H91 N9 O29 Zn3
UFORIT [⌚]	C69 H39 N1 O17 Zr3	VAZTUM	C24 H20 O13 Zn4	VUJLET	C16 H6 In1 O8
UJADUH	C32 H24 Cu3 O20	VECZEI	C4 H12 Ca1 N10	VUWVAN	C6 H5 N3 O3 Zn1
UKACIU [⌚]	C4 H6 N8 Zn1	VEDWUY	C141 H93 N7 O26 Zn6	VUWVAN01	C6 H5 N3 O3 Zn1
UNIGEE	C48 H24 O26 Zn8	VEFTUZ	C18 H28 Mn1 N10 O1	VUWVAN02	C6 H5 N3 O3 Zn1
UPABAR	C36 H45 N6 O12 Tb1	VEGBUG [⌚]	C56 H136 N12 O47 S6 Zr3	VUWXUJ	C14 H14 N6 O6 Zn2
UPOZAB	C36 H12 Cl4 N18 O6 Zn5	VEGCAN [⌚]	C56 H100 Hf3 N12 O29 S6	VUWXUJ01	C14 H14 N6 O6 Zn2
URUYOX	C8 H8 Cu2 N14 O6	VEHXEN ^{&}	C426 H452 Cl26 Fe10 N65	VUWXUJ02	C14 H14 N6 O6 Zn2
URUYUD	C8 H8 Cu2 N14 O6		O140 Pr8 S6 Sb24	VUWXUJ03	C14 H14 N6 O6 Zn2
URUZAK	C8 H8 Cu2 N14 O6	VEJHID [⌚]	C156 H66 Cd11 N12 O51	VUWXUJ04	C14 H14 N6 O6 Zn2
URUZEO	C8 H8 Cu2 N14 O6	VEJYIT [⌚]	C21 H33 N11 O3 Zn2	VUWXUJ05	C14 H14 N6 O6 Zn2
URUZIS	C8 H8 Cu2 N14 O6	VEJYIT15 [⌚]	C21 H33 N11 O3 Zn2	VUZBEX	C22 H42 Al1 N2 Na1 O13
USOFIU [⌚]	C66 H72 Cu3 F18 N16 O24	VEJYIT17 [⌚]	C21 H33 N11 O3 Zn2	WAGYUA	C219 H380 N28 O86 Zn8
USOSUS [⌚]	C10 H6 Cd1 N4 O4	VEJYIT18 [⌚]	C21 H33 N11 O3 Zn2	WAHBOA04	C12 H18 N12 Zn3
UVEQOD	C12 H27 Ag3 I6 N4	VELVOY [⌚]	C8 H16.66 N4 O3.33 Zn1	WAHBOA05 ^{&}	C12 H18 N12 Zn3
UVEQOD01	C12 H27 Ag3 I6 N4	VENGAZ [⌚]	C74 H99 Cd3 N19 O22	WAHBOA06 ^{&}	C12 H18 N12 Zn3
UVEVEX	C10 H5 Mn1 N3 O4	VETMIS	C202 H163.5 Cu6 N11.5 O35.5	WAHBOA07	C84 H124 N84 Zn21
				WAHKOI	C21 H12 Li1 N1 O6

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WAQZEW ^{&}	C28 H16 In1 N4 O8	XAFFUH [Ⓜ]	C40 H28 Cu2 N2 O10	XUJNOI ^{&}	C44 H16 B1 Cu1 F16 N4
WAVROC	C108 H83 In3 Mg3 O37	XAHPED	C111 H217 Cu2 N15 O38	XUJNUO ^{&}	C44 H16 Ag1 B1 F16 N4
WEBTOP	C64 H24 Cu6 O24	XAHPIH	C87 H149 Cu2 N11 O26	XUTQEI	C55.5 H66 N6 Ni3 O24.5
WEQRAO [Ⓜ]	C87 H143 Cl6 Cu3 N23 O33 Sc3	XAHPON	C120 H218 Cu2 N13 O40.5	YALJAA [Ⓜ]	C80 H48 Cd3 N4 O16
WEYREA	C53 H32 O16 Zr3	XAHPUT	C166 H292 Cu2 N24 O41	YAMXOC [Ⓜ]	C36 H12 In3 O24
WEYRIE	C53 H32 O16 Zr3	XAHQAA	C171 H314.5 Cu2 N25.5 O48	YAPPAG	C36 H24 Fe3 N6 O12
WIJVAQ	C20 H59 Br1 Cl15 N7 Pb4	XAHWAG	C12 H26 N4 O12 P4 Zn3	YEJLEI [Ⓜ]	C57 H39 Cd2 N24
WIJVEU	C20 H59 Br1 Cl15 N7 Pb4	XALMAC ^{&}	C87 H86 N12 O22 Zn3	YEYCUC	C72 H62 O16 Zr3
WIJXIY	C66 H52 N6 O20 Zn5	XALMOO [Ⓜ]	C48 H30 Co2 N4 O9	YEYDAJ	C66 H44 N18 O16 Zr3
WIRVOM [Ⓜ]	C22 H12 N4 O4 Zn1	XALROT ^{&}	C16 H10 In1 N2 O8	YIBZOC [Ⓜ]	C8 H10 Co1 N4
WITKIV	C168 H108 N12 O79 P12 Zn11	XALTIP	C72 H24 Cl8 Co8 N36 O12 Zn2	YIJZIC	C36 H24 N6 O12 Ru1 Zn2
WIYMOG	C224 H294 N108 O104 Tb2	XAMHAW	C88 H94 N8 O27 Zn4	YIJZIC01	C36 H24 N6 O12 Ru1 Zn2
WOBHIF [Ⓜ]	C8 H2 O6 Zn2	XANLUV	C66 H36 N2 O26 Zn8	YIJZIC02	C36 H24 N6 O12 Ru1 Zn2
WOBHIF01 [Ⓜ]	C8 H2 O6 Zn2	XAWVUN	C38 H48 Cu2 N2 O18 S2	YIJZIC03	C36 H24 N6 O12 Ru1 Zn2
WOBHIF02 [Ⓜ]	C8 H2 O6 Zn2	XAYKOA	C11 H6 Cu1 N2 O4	YIJZIC04	C36 H24 N6 O12 Ru1 Zn2
WOBHIF03 [Ⓜ]	C8 H2 O6 Zn2	XAYKOA01	C11 H6 Cu1 N2 O4	YIJZIC05	C36 H24 N6 O12 Ru1 Zn2
WOBHIF04 [Ⓜ]	C8 H2 O6 Zn2	XEBHOC	C38 H48 Cu2 N2 O18 S2	YIJZIC06	C36 H24 N6 O12 Ru1 Zn2
WOFQEQ	C42 H28 Al3 N1 O19	XEJHIG	C24 H10 O20 Zn3	YIMCEF [Ⓜ]	C14 H6 Cu1 N2 O4
WOFQIU	C42 H28 Ga3 N1 O19	XENLEL ^{&}	C50 H78 Cu2 N2 O12	YINPEQ	C33 H30 Cd1 Cl1 O6 P1
WOLCEI	C10 H14 Co1 K1 N10	XEYMAR ^{&}	C27 H27 Cu4 I4 Mn2 N5 O11	YIPDOR	C72 H68 Cu3 Mo12 N24 O42 P1
WOLCOS	C10 H14 Cr1 K1 N10	XICKOL	C56 H44 Cu3 N6 O16	YIYBEQ [Ⓜ]	C140 H96 Cu10 N2 O50
WOQVAB [Ⓜ]	C8 H2 Fe2 O6	XIDSUZ	C112 H142 Cu3 N30 O49 S8	YODKUA	C28 H38 In1 N5 O13
WOWGUK	C6 H26 N2 O19 P4 Zn4	XIJVIY	C63 H44 O16 Zr3	YODWOF	C156 H88 N4 O74 Zn14
WUVMUY	C48 H24 Cd3 O16	XINGEJ	C75 H69 N7 O57 S5 Zn6	YODWUL	C144 H100 N16 O86 Zn14
WUYWAQ	C88 H60 Cd3 O24	XOJWID	C42 H66 N6 O24 P4 Zn4	YOLHAL	C24 H52.76 Cu6 N19 O54.38 Yb3
WUZGEF	C88 H60 Cd3 O24	XOVPUU	C82 H144 Cu2 N14 O36	YOZQEK	C75 H50 N2 O35 S5 Zn6
WUZGEF01	C88 H60 Cd3 O24	XOVQEF [Ⓜ]	C225 H367 N35 O93 Zn6	YUKMOI	C354 H252 O78 Zn24
XACDUD	C10 H16 Cu4 N8	XUGPEV [Ⓜ]	C180 H553 Ge7 Mn12 N45 O361 W72	YUKMUO	C402 H348 O78 Zn24
XAFFAN	C40 H28 N2 O10 Zn2	XUGSUO	C132 H66 O39 S6 Zn12	YUSWEP [Ⓜ]	C82 H56 Cu4 O20
XAFFER	C40 H28 N2 O10 Zn2			ZABQIC ^{&}	C46 H27 Ag1 F3 N3 O3 S1
XAFFIV	C40 H28 Co2 N2 O10				
XAFFOB [Ⓜ]	C40 H28 Cu2 N2 O10				

CSD Code	Formula	CSD Code	Formula	CSD Code	Formula
ZECKID	C16.5 H24.5 Cu2 N5.5 O6.5	ZITPAX	C9 H13 Cu2 N5 S3	ZOHJOY	C84 H58 Mn6 N6 O41 P6
ZELROZ	C52 H46 N2 O21 Zn4	ZITRUP	C8 H12 Li1 N5 Zn1	ZOHJUE ^æ	C92 H70 Mn6 N6 O44 P6
ZEQYON ^æ	C6 H4 N6 O4 Zn1	ZIYWIQ ^æ	C160 H126 N16 O32 U4	ZOXFEZ01	C42 H52 Cd1 Cl2 N16 O12
ZEZFIV	C37 H50 N10 Na2 O18 Zn1	ZIYWUC	C160 H120 N16 O32 U4 Zn3	ZOZHIH ^æ	C36 H70 Ce1 Co1 N6 O38
ZICCIZ ^æ	C156 H72 Cd8 Co3 N12 O54	ZIYZUF ^æ	C18 H12 Co1 N2 O4	ZOZHON ^æ	C36 H62 Co1 N6 O34 Pr1
ZIGFEC	C18 H6 Cr3 O12	ZIZBAO ^æ	C18 H12 Fe1 N2 O4	ZUQVIQ	C36 H24 B1 Cr1 F4 Mn2 N6 O12
ZIJSAO ^æ	C330 H534 N51 O75 Tb3	ZIZBES ^æ	C18 H12 Fe1 N2 O4	ZUTBAR02	C4 H12 Mn1 N10
ZILBUT	C48 H36 O19 Zn4	ZIZXAL	C19 H30 N10 Ni1	ZUYHIM ^{&}	C40 H24 In1 N2 O8

& - interpenetrated structures.

^æ - structures that admit at least one TPS/TPMS.

Table S2. The distribution of the 966 MOFs over space groups.

Space group	Number of MOFs	Space group	Number of MOFs	Space group	Number of MOFs
<i>Fm</i> $\bar{3}m$	130	<i>Pm</i> $\bar{3}m$	6	<i>P31c</i>	2
<i>P2</i> ₁ / <i>c</i>	48	<i>Fd</i> $\bar{3}c$	6	<i>P6</i>	2
<i>C2/c</i>	47	<i>Cmc</i> 2 ₁	5	<i>P6</i> ₁	2
<i>R</i> $\bar{3}$	47	<i>Pnnm</i>	5	<i>P6</i> ₃	2
<i>I</i> $\bar{4}3m$	31	<i>Cccm</i>	5	<i>P6</i> ₂ 22	2
<i>R</i> $\bar{3}c$	27	<i>P4</i> ₂ 2 ₁ 2	5	<i>P6</i> ₄ 22	2
<i>P</i> $\bar{1}$	21	<i>I4/mmm</i>	5	<i>P6</i> ₃ /mcm	2
<i>I4/m</i>	21	<i>P</i> $\bar{6}2c$	5	<i>P1</i>	1
<i>R3m</i>	21	<i>Pm</i> $\bar{3}$	5	<i>P222</i> ₁	1
<i>P6/mmm</i>	15	<i>F</i> $\bar{4}3m$	5	<i>P2</i> ₁ 2 ₁ 2	1
<i>I432</i>	15	<i>Cc</i>	4	<i>I222</i>	1
<i>P4</i> ₁ 32	14	<i>P2</i> ₁ / <i>m</i>	4	<i>I2</i> ₁ 2 ₁ 2 ₁	1
<i>Pa</i> $\bar{3}$	13	<i>Fdd2</i>	4	<i>Pnc2</i>	1
<i>Im</i> $\bar{3}m$	13	<i>Pbcn</i>	4	<i>Pnn2</i>	1
<i>P4</i> ₂ /mnc	12	<i>P4</i> ₂ / <i>n</i>	4	<i>Ama2</i>	1
<i>P2</i> ₁ 2 ₁ 2 ₁	11	<i>I4</i> ₁ <i>cd</i>	4	<i>Imm2</i>	1
<i>Fddd</i>	11	<i>P4</i> ₂ /mnm	4	<i>Pmna</i>	1
<i>R32</i>	11	<i>P3</i> ₁ 21	4	<i>Pbam</i>	1
<i>R</i> $\bar{3}m$	11	<i>P6</i> ₃ /mmc	4	<i>Cmca</i>	1
<i>I</i> $\bar{4}3d$	11	<i>Pn</i> $\bar{3}n$	4	<i>P4</i> ₃	1
<i>Ia</i> $\bar{3}d$	11	<i>Pc</i>	3	<i>I4</i>	1
<i>Pm</i> $\bar{3}n$	10	<i>Pmmm</i>	3	<i>I4</i> ₁	1
<i>Cmmm</i>	9	<i>Pccn</i>	3	<i>P4/n</i>	1
<i>Imma</i>	9	<i>P</i> $\bar{4}n2$	3	<i>P4</i> ₁ 2 ₁ 2	1
<i>P6</i> ₃ / <i>m</i>	9	<i>Pn</i> $\bar{3}$	3	<i>P4</i> ₂ 2 ₁ 2	1
<i>I4</i> ₁ / <i>a</i>	8	<i>Fm</i> $\bar{3}$	3	<i>P4</i> ₂ <i>nm</i>	1
<i>R3</i>	8	<i>Ia</i> $\bar{3}$	3	<i>P4nc</i>	1
<i>P3</i> ₂ 21	8	<i>F432</i>	3	<i>I4</i> ₁ <i>md</i>	1
<i>R3c</i>	8	<i>Fd</i> $\bar{3}m$	3	<i>P</i> $\bar{4}$ ₂ 1 <i>c</i>	1
<i>P2</i> ₁	7	<i>C2</i>	2	<i>P</i> $\bar{4}$ _c 2	1
<i>Pbca</i>	7	<i>P2/m</i>	2	<i>P4/mmm</i>	1
<i>Pnma</i>	7	<i>P2/c</i>	2	<i>P4/ncc</i>	1
<i>P4</i> ₃ 2 ₁ 2	7	<i>Pca</i> 2 ₁	2	<i>P4</i> ₂ /nmm	1
<i>I4</i> ₁ 22	7	<i>Ima2</i>	2	<i>P3</i>	1
<i>I</i> $\bar{4}2d$	7	<i>Cmcm</i>	2	<i>P</i> $\bar{3}$ 1 <i>c</i>	1
<i>P</i> $\bar{4}3m$	7	<i>Fmmm</i>	2	<i>P6</i> ₅	1
<i>C2/m</i>	6	<i>Ibca</i>	2	<i>P6</i> ₁ 22	1
<i>C222</i> ₁	6	<i>P4</i> ₁ 22	2	<i>P6</i> ₅ 22	1
<i>Pna</i> 2 ₁	6	<i>P4</i> ₃ 22	2	<i>P6</i> ₃ 22	1
<i>Pnna</i>	6	<i>P</i> $\bar{4}$ ₂ <i>c</i>	2	<i>P</i> $\bar{6}m2$	1
<i>Immm</i>	6	<i>I</i> $\bar{4}c2$	2	<i>P</i> $\bar{6}2m$	1
<i>P4/mnc</i>	6	<i>P4/nmm</i>	2	<i>P6/mcc</i>	1
<i>I4</i> ₁ / <i>amd</i>	6	<i>P4</i> ₂ / <i>nmc</i>	2	<i>Fd</i> $\bar{3}$	1
<i>P2</i> ₁ 3	6	<i>I4/mcm</i>	2	<i>P</i> $\bar{4}$ 3 <i>n</i>	1
<i>P4</i> ₃ 32	6	<i>I4</i> ₁ / <i>acd</i>	2		
<i>I4</i> ₁ 32	6	<i>P</i> $\bar{3}$	2		

Table S3. The distribution of the 966 simplified nets over topological types.

Topological type	Number of MOFs	Topological type	Number of MOFs	Topological type	Number of MOFs
pcu	100	ofp	2	4 ³ ,12T20	1
tbo	62	<i>pkb8</i>	2	4 ³ T304	1
4,8T1	52	reo	2	4 ² ,5,6T78	1
dia	40	reo-6-I432	2	4 ² ,5T150	1
sod	39	sky	2	4 ² ,6T13	1
pts	37	spn	2	4 ² ,6T138	1
srs	37	sra	2	4 ² ,6T19	1
nts	28	ths	2	4 ² ,6T202	1
rtl	27	unc	2	4 ² ,6T23	1
flu	15	wix	2	4 ² ,6T281	1
nbo	15	3,12T11	1	4 ² ,8T45	1
eea	14	3,4,10T71	1	4 ² ,8T63	1
fcu	13	3,4,5T196	1	4 ² T29	1
lvt	12	3,4,5T381	1	4 ² T328	1
4,8T24	10	3,4,6T338	1	4 ² T329	1
4,8T68	10	3,4 ⁶ T6	1	4 ² T335	1
ctn	10	3,4 ² ,5,6 ² T5	1	4 ³ ,5,7T7	1
scu	10	3,4 ² ,6T48	1	4 ³ ,6T106	1
4,6T592	9	3,4 ² ,6T52	1	4 ³ ,6T42	1
pto	9	3,4 ³ T115	1	4 ⁴ T150	1
bcu	8	3,4 ⁴ ,5,6,7,8T1	1	4 ⁴ T152	1
csq	8	3,4 ⁶ ,5T7	1	4 ⁴ T153	1
muo	7	3,4T276	1	4 ⁴ T74	1
cor	6	3,4T289	1	4 ⁶ ,6 ² T6	1
crb	6	3,4T335	1	4 ⁷ T38	1
cys	6	3,5,8T59	1	5,6T35	1
fsc	6	3,6,8 ² T1	1	5,8T1	1
ith-d	6	3,6T22	1	5 ² T28	1
stp	6	3,6T253	1	5T100	1
wbl	6	3,8T202	1	6,8T1573	1
4 ⁴ T73	5	3,8T203	1	6T28	1
rho	5	3 ² ,4,6 ² T41	1	afi	1
she	5	3 ² ,4 ⁴ T64	1	alb-4,8-C2/c	1
soc	5	3 ² ,4T378	1	alb-4,8-Cmcm	1
3,6T18	5	3 ² ,5T138	1	alb-4,8-Fddd	1
3,6 ² T24	4	3 ² ,6,7T16	1	cdp	1
acs	4	3 ⁴ ,4 ⁸ T4	1	etd	1
ant	4	3 ⁵ ,4 ⁴ ,7 ³ ,8 ⁴ T1	1	ffc	1
bcg	4	3 ⁵ ,4 ⁷ ,5 ⁵ T1	1	fgl	1
bcx-3,3-I4₁32	4	3 ⁵ ,4T12	1	fjh	1
fmz	4	3 ¹³ ,4,5,6 ⁷ T1	1	flu-3,6-I4₁/a	1
lon	4	3 ² ,12T50	1	flu-3,6-I4₁cd	1
nia	4	3 ² ,4,5 ² T63	1	flu-e	1
nos	4	3 ² ,4,5T123	1	fmj	1
qtz	4	3 ² ,4,5T125	1	fsx-3,4-R	1
sqp	4	3 ² ,4,5T47	1	fsy	1
the	4	3 ² ,4 ² ,5,10T2	1	gar	1

Topological type	Number of MOFs	Topological type	Number of MOFs	Topological type	Number of MOFs
3 ³ ,5,6 ² T6	3	3 ² ,4 ² T81	1	hea	1
4,10T7	3	3 ² ,4 ² T99	1	hms	1
4 ² ,6T20	3	3 ² ,4 ³ T105	1	iac	1
6 ³ T5	3	3 ² ,4 ⁴ T52	1	jph	1
6 ⁴ T11	3	3 ² ,4 ⁹ ,5 ² T2	1	jsa	1
bpq	3	3 ² ,4T222	1	kdd	1
cds	3	3 ² ,4T292	1	lcv	1
crs	3	3 ² ,4T309	1	lil	1
etc	3	3 ² ,4T311	1	llj	1
gis	3	3 ² ,4T312	1	mog	1
neb	3	3 ² ,6,8 ² T1	1	moo	1
nfa	3	3 ² ,6,8 ² T3	1	mtn	1
ntt	3	3 ² ,6,8T6	1	neb-e-4,4-Fddd	1
pyr	3	3 ² ,6 ² T12	1	noz	1
tfz	3	3 ² ,6T114	1	osf	1
3,4,8T15	2	3 ² ,8T18	1	pbz	1
3,4 ² ,6T46	2	3 ² ,9T34	1	pth	1
3,4 ² T388	2	3 ³ ,4 ² ,6T4	1	reo-e	1
3,4 ² T76	2	3 ³ ,4 ² T24	1	rhr	1
3,6T266	2	3 ³ ,6T25	1	roa-4-I422	1
3,6T51	2	3 ³ T52	1	rob	1
3 ¹¹ ,4 ¹⁸ T1	2	3 ⁴ ,4 ² T77	1	snw	1
3 ² ,4 ³ T101	2	3 ⁴ ,4 ³ T40	1	snx	1
3 ² ,4T12	2	3 ⁴ ,4T93	1	sqc11246	1
3 ³ ,6T14	2	3 ⁴ T30	1	sqc11259	1
3 ³ T38	2	3 ⁴ T32	1	sqc246	1
4,12T70	2	4,10T101	1	sqc8116	1
4,6T117	2	4,11T17	1	ssb	1
4,8T272	2	4,12T1	1	sxd	1
4 ² ,5T196	2	4,16T2	1	tcj-4,5-P4₂/mnm-2	1
4 ² ,5,10T11	2	4,5,6T44	1	tfj	1
4 ⁶ T5	2	4,5 ² ,14T3	1	tfz-d	1
5 ² T7	2	4,6 ² T104	1	ths-e	1
agw	2	4,6T119	1	toz	1
apo	2	4,6T688	1	ubt	1
cag	2	4,6T736	1	umt	1
can	2	4,8T292	1	uni	1
fon	2	4,8T67	1	uom	1
hbr-6,8-P6/mmm	2	4 ² ,10T37	1	wys	1
kkm	2	4 ² ,6T365	1	xxv	1

Table S4. The CSD codes of MOFs and topological parameters of the corresponding 131 TPMSs.

CSD code	Strong rings	Space group	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
GILGAM	4c, 6e	$R\bar{3}$	etb	bcu
GILGAM	4b, 6f	$R\bar{3}$	etb	ilc
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	$C12/m1$	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

CSD code	Strong rings	Space group	Net topology #1	Net topology #2
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

CSD code	Strong rings	Space group	Net topology #1	Net topology #2
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
COKNOH	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

CSD code	Strong rings	Space group	Net topology #1	Net topology #2
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 S5. The 9 topologically different TPMS obtained from MOFs

TPMS	Space group	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	$I4_132, P4_132, R\bar{3}$	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