

**Cambridge Structural Database**  
**1 January 2022**

***CSD Space Group Statistics – Space Group Number Ordering***

Space group number ranking for the 1,171,413 CSD structures for which the space group is fully defined. Statistics for enantiomorphous space groups are as reported in the CSD. 919,173 (78 %) of structures adopt centrosymmetric space groups, 252,240 (22 %) adopt non-centrosymmetric space groups, and 189,704 (16 %) structures adopt Sohncke space groups.

<b>SG No.</b>	<b>Rank</b>	<b>Space Group</b>	<b>No. in CSD</b>	<b>% of CSD</b>
1	10	P1	11495	1.0
2	2	P-1	293933	25.1
3	106	P2	204	<0.3
4	5	P21	60123	5.1
5	11	C2	9909	0.8
6	=189	Pm	46	<0.3
7	18	Pc	5281	0.5
8	71	Cm	413	<0.3
9	8	Cc	12150	1.0
10	=117	P2/m	168	<0.3
11	17	P21/m	5472	0.5
12	16	C2/m	5952	0.5
13	15	P2/c	7615	0.7
14	1	P21/c	400548	34.2
15	3	C2/c	97014	8.3
16	=195	P222	41	<0.3
17	=147	P2221	109	<0.3
18	19	P21212	4710	0.4
19	4	P212121	81425	7.0
20	25	C2221	2051	<0.3
21	=163	C222	83	<0.3
22	=197	F222	40	<0.3
23	87	I222	279	<0.3
24	167	I212121	79	<0.3
25	=219	Pmm2	12	<0.3
26	109	Pmc21	190	<0.3
27	=200	Pcc2	38	<0.3
28	214	Pma2	20	<0.3
29	14	Pca21	8853	0.8
30	=113	Pnc2	173	<0.3
31	59	Pmn21	676	<0.3
32	108	Pba2	200	<0.3
33	7	Pna21	15983	1.4
34	78	Pnn2	339	<0.3
35	=219	Cmm2	12	<0.3
36	27	Cmc21	1591	<0.3
37	135	Ccc2	133	<0.3
38	=185	Amm2	51	<0.3

39	=168	Abm2	71	<0.3
40	102	Ama2	221	<0.3
41	37	Aba2	1224	<0.3
42	=156	Fmm2	89	<0.3
43	22	Fdd2	3886	0.3
44	=159	Imm2	85	<0.3
45	60	Iba2	673	<0.3
46	=119	Ima2	165	<0.3
47	=195	Pmmm	41	<0.3
48	=161	Pnnn	84	<0.3
49	213	Pccm	22	<0.3
50	=142	Pban	117	<0.3
51	=165	Pmma	82	<0.3
52	36	Pnna	1261	<0.3
53	=113	Pmna	173	<0.3
54	64	Pcca	550	<0.3
55	75	Pbam	344	<0.3
56	21	Pccn	4087	0.3
57	39	Pbcm	1132	<0.3
58	53	Pnnm	820	<0.3
59	80	Pmmn	332	<0.3
60	12	Pbcn	9689	0.8
61	6	Pbca	37779	3.2
62	9	Pnma	11846	1.0
63	40	Cmcm	1124	<0.3
64	31	Cmca	1442	<0.3
65	93	Cmmm	247	<0.3
66	128	Cccm	150	<0.3
67	=159	Cmma	85	<0.3
68	65	Ccca	543	<0.3
69	126	Fmmm	158	<0.3
70	34	Fddd	1294	<0.3
71	=119	Immm	165	<0.3
72	69	Ibam	481	<0.3
73	79	Ibca	335	<0.3
74	82	Imma	327	<0.3
75	=173	P4	66	<0.3
76	43	P41	1039	<0.3
77	136	P42	128	<0.3
78	46	P43	914	<0.3
79	83	I4	322	<0.3
80	86	I41	281	<0.3
81	91	P-4	253	<0.3
82	29	I-4	1539	<0.3
83	=182	P4/m	53	<0.3
84	137	P42/m	122	<0.3
85	45	P4/n	1004	<0.3
86	30	P42/n	1471	<0.3
87	47	I4/m	867	<0.3
88	20	I41/a	4169	0.4

89	218	P422	14	<0.3
90	=147	P4212	109	<0.3
91	151	P4122	107	<0.3
92	23	P41212	2182	<0.3
93	=221	P4222	9	<0.3
94	=96	P42212	234	<0.3
95	153	P4322	101	<0.3
96	26	P43212	1998	<0.3
97	=149	I422	108	<0.3
98	98	I4122	231	<0.3
99	=224	P4mm	7	<0.3
100	=227	P4bm	6	<0.3
101	=221	P42cm	9	<0.3
102	206	P42nm	33	<0.3
103	203	P4cc	35	<0.3
104	131	P4nc	140	<0.3
105	230	P42mc	2	<0.3
106	=138	P42bc	121	<0.3
107	208	I4mm	28	<0.3
108	=189	I4cm	46	<0.3
109	180	I41md	60	<0.3
110	70	I41cd	453	<0.3
111	=224	P-42m	7	<0.3
112	202	P-42c	37	<0.3
113	76	P-421m	343	<0.3
114	32	P-421c	1355	<0.3
115	=224	P-4m2	7	<0.3
116	=189	P-4c2	46	<0.3
117	158	P-4b2	86	<0.3
118	107	P-4n2	201	<0.3
119	194	I-4m2	42	<0.3
120	140	I-4c2	120	<0.3
121	100	I-42m	228	<0.3
122	57	I-42d	741	<0.3
123	101	P4/mmm	222	<0.3
124	144	P4/mcc	116	<0.3
125	=170	P4/nbm	68	<0.3
126	89	P4/nnc	271	<0.3
127	155	P4/mbm	90	<0.3
128	=96	P4/mnc	234	<0.3
129	92	P4/nmm	249	<0.3
130	=62	P4/ncc	554	<0.3
131	=123	P42/mmc	162	<0.3
132	=210	P42/mcm	25	<0.3
133	184	P42/nbc	52	<0.3
134	=173	P42/nnm	66	<0.3
135	141	P42/mbc	118	<0.3
136	99	P42/mnm	229	<0.3
137	133	P42/nmc	135	<0.3
138	=123	P42/ncm	162	<0.3

139	84	I4/mmm	317	<0.3
140	=121	I4/mcm	164	<0.3
141	85	I41/amd	297	<0.3
142	61	I41/acd	599	<0.3
143	90	P3	267	<0.3
144	=48	P31	843	<0.3
145	=48	P32	843	<0.3
146	28	R3	1564	<0.3
147	33	P-3	1317	<0.3
148	13	R-3	9552	0.8
149	216	P312	18	<0.3
150	146	P321	114	<0.3
151	207	P3112	30	<0.3
152	42	P3121	1059	<0.3
153	=210	P3212	25	<0.3
154	51	P3221	831	<0.3
155	=62	R32	554	<0.3
156	223	P3m1	8	<0.3
157	209	P31m	27	<0.3
158	145	P3c1	115	<0.3
159	72	P31c	407	<0.3
160	77	R3m	342	<0.3
161	38	R3c	1146	<0.3
162	=175	P-31m	65	<0.3
163	66	P-31c	537	<0.3
164	=117	P-3m1	168	<0.3
165	50	P-3c1	842	<0.3
166	54	R-3m	789	<0.3
167	24	R-3c	2121	<0.3
168	=204	P6	34	<0.3
169	55	P61	771	<0.3
170	56	P65	748	<0.3
171	=156	P62	89	<0.3
172	=175	P64	65	<0.3
173	52	P63	821	<0.3
174	193	P-6	44	<0.3
175	=178	P6/m	62	<0.3
176	35	P63/m	1271	<0.3
177	=197	P622	40	<0.3
178	81	P6122	331	<0.3
179	88	P6522	276	<0.3
180	154	P6222	93	<0.3
181	=182	P6422	53	<0.3
182	104	P6322	212	<0.3
183	229	P6mm	4	<0.3
184	217	P6cc	16	<0.3
185	=200	P63cm	38	<0.3
186	=115	P63mc	172	<0.3
187	187	P-6m2	50	<0.3
188	215	P-6c2	19	<0.3

189	=185	P-62m	51	<0.3
190	105	P-62c	208	<0.3
191	125	P6/mmm	160	<0.3
192	=129	P6/mcc	144	<0.3
193	=165	P63/mcm	82	<0.3
194	67	P63/mmc	498	<0.3
195	=210	P23	25	<0.3
196	134	F23	134	<0.3
197	103	I23	216	<0.3
198	58	P213	699	<0.3
199	127	I213	151	<0.3
200	188	Pm-3	48	<0.3
201	177	Pn-3	64	<0.3
202	181	Fm-3	57	<0.3
203	=129	Fd-3	144	<0.3
204	112	Im-3	181	<0.3
205	41	Pa-3	1066	<0.3
206	=121	Ia-3	164	<0.3
207	=189	P432	46	<0.3
208	=227	P4232	6	<0.3
209	=161	F432	84	<0.3
210	172	F4132	67	<0.3
211	=163	I432	83	<0.3
212	=170	P4332	68	<0.3
213	=168	P4132	71	<0.3
214	=204	I4132	34	<0.3
215	=142	P-43m	117	<0.3
216	=178	F-43m	62	<0.3
217	68	I-43m	485	<0.3
218	111	P-43n	183	<0.3
219	=138	F-43c	121	<0.3
220	74	I-43d	348	<0.3
221	73	Pm-3m	365	<0.3
222	110	Pn-3n	186	<0.3
223	=149	Pm-3n	108	<0.3
224	199	Pn-3m	39	<0.3
225	44	Fm-3m	1021	<0.3
226	152	Fm-3c	104	<0.3
227	=94	Fd-3m	240	<0.3
228	=115	Fd-3c	172	<0.3
229	=94	Im-3m	240	<0.3
230	132	Ia-3d	137	<0.3