

**CSD Space Group Statistics – Space Group Frequency Ordering**

Space group frequency ranking for the 1,427,576 CSD structures for which the space group is fully defined. Statistics for enantiomorphous space groups are as reported in the CSD.

1,115,651 (78 %) structures adopt centrosymmetric space groups, 311,925 (22 %) adopt non-centrosymmetric space groups, and 235,301 (16 %) structures adopt Sohncke space groups.

<b>Rank</b>	<b>SG No.</b>	<b>Space Group</b>	<b>No. in CSD</b>	<b>% of CSD</b>
1	14	P21/c	482,555	33.8
2	2	P-1	360,320	25.2
3	15	C2/c	117,036	8.2
4	19	P212121	99,582	7.0
5	4	P21	74,867	5.2
6	61	Pbca	45,265	3.2
7	33	Pna21	19,399	1.4
8	9	Cc	14,822	1.0
9	1	P1	14,628	1.0
10	62	Pnma	14,087	1.0
11	5	C2	12,503	0.9
12	60	Pbcn	11,596	0.8
13	148	R-3	11,441	0.8
14	29	Pca21	10,866	0.8
15	13	P2/c	9,312	0.7
16	12	C2/m	7,338	0.5
17	7	Pc	6,656	0.5
18	11	P21/m	6,432	0.5
19	18	P21212	5,841	0.4
20	88	I41/a	5,088	0.4
21	56	Pccn	4,931	0.3
22	43	Fdd2	4,700	0.3
23	92	P41212	2,686	<0.3
24	167	R-3c	2,645	<0.3
25	20	C2221	2,497	<0.3
26	96	P43212	2,424	<0.3
27	146	R3	2,111	<0.3
28	36	Cmc21	1,950	<0.3
29	82	I-4	1,909	<0.3
30	64	Cmca	1,839	<0.3
31	86	P42/n	1,740	<0.3
32	147	P-3	1,672	<0.3
33	70	Fddd	1,669	<0.3
34	176	P63/m	1,606	<0.3
35	114	P-421c	1,577	<0.3
36	52	Pnna	1,559	<0.3
37	225	Fm-3m	1,520	<0.3
38	41	Aba2	1,513	<0.3
39	161	R3c	1,410	<0.3
40	63	Cmcm	1,379	<0.3
41	57	Pbcm	1,373	<0.3
42	205	Pa-3	1,282	<0.3
43	76	P41	1,249	<0.3

44	85	P4/n	1,236	<0.3
45	152	P3121	1,234	<0.3
46	78	P43	1,169	<0.3
47	173	P63	1,132	<0.3
48	87	I4/m	1,104	<0.3
49	145	P32	1,072	<0.3
50	58	Pnnm	1,049	<0.3
51	144	P31	1,038	<0.3
52	169	P61	1,019	<0.3
53	154	P3221	1,005	<0.3
54	165	P-3c1	987	<0.3
55	166	R-3m	934	<0.3
56	170	P65	929	<0.3
57	198	P213	921	<0.3
58	122	I-42d	897	<0.3
59	31	Pmn21	846	<0.3
60	45	Iba2	814	<0.3
61	194	P63/mmc	795	<0.3
62	142	I41/acd	743	<0.3
63	130	P4/ncc	724	<0.3
64	163	P-31c	696	<0.3
65	54	Pcca	682	<0.3
66	155	R32	678	<0.3
67	68	Ccca	653	<0.3
68	72	Ibam	576	<0.3
69	217	I-43m	569	<0.3
70	221	Pm-3m	556	<0.3
71	110	I41cd	540	<0.3
72	159	P31c	529	<0.3
73	8	Cm	522	<0.3
74	139	I4/mmm	516	<0.3
75	74	Imma	458	<0.3
76	55	Pbam	432	<0.3
77	160	R3m	426	<0.3
78	220	I-43d	416	<0.3
79	59	Pmmn	412	<0.3
80	113	P-421m	411	<0.3
81	73	Ibca	409	<0.3
82	34	Pnn2	406	<0.3
83	79	I4	397	<0.3
84	141	I41/amd	393	<0.3
85	178	P6122	385	<0.3
86	65	Cmmm	377	<0.3
87	80	I41	372	<0.3
88	23	I222	361	<0.3
89	98	I4122	348	<0.3
90	229	Im-3m	347	<0.3
91	126	P4/nnc	341	<0.3
92	143	P3	333	<0.3
=93	179	P6522	323	<0.3
=93	227	Fd-3m	323	<0.3
95	81	P-4	317	<0.3
=96	94	P42212	285	<0.3
=96	128	P4/mnc	285	<0.3
98	129	P4/nmm	283	<0.3
99	190	P-62c	279	<0.3

100	197	I23	274	<0.3
101	136	P42/mnm	273	<0.3
102	40	Ama2	268	<0.3
103	123	P4/mmm	265	<0.3
104	164	P-3m1	263	<0.3
=105	182	P6322	256	<0.3
=105	3	P2	256	<0.3
=105	218	P-43n	256	<0.3
=108	32	Pba2	253	<0.3
=108	71	Immm	253	<0.3
110	26	Pmc21	246	<0.3
111	121	I-42m	242	<0.3
=112	222	Pn-3n	240	<0.3
=112	118	P-4n2	240	<0.3
114	204	Im-3	237	<0.3
115	137	P42/nmc	230	<0.3
116	10	P2/m	222	<0.3
117	69	Fmmm	221	<0.3
118	186	P63mc	220	<0.3
119	191	P6/mmm	217	<0.3
120	30	Pnc2	214	<0.3
=121	228	Fd-3c	207	<0.3
=121	215	P-43m	207	<0.3
123	46	Ima2	202	<0.3
124	131	P42/mmc	201	<0.3
=125	53	Pmna	200	<0.3
=125	206	Ia-3	200	<0.3
127	66	Cccm	196	<0.3
=128	140	I4/mcm	193	<0.3
=128	138	P42/ncm	193	<0.3
130	203	Fd-3	184	<0.3
131	192	P6/mcc	183	<0.3
=132	150	P321	176	<0.3
=132	90	P4212	176	<0.3
134	97	I422	175	<0.3
135	104	P4nc	173	<0.3
=136	199	I213	171	<0.3
=136	37	Ccc2	171	<0.3
138	230	Ia-3d	160	<0.3
139	223	Pm-3n	158	<0.3
140	77	P42	155	<0.3
141	196	F23	150	<0.3
142	106	P42bc	148	<0.3
143	158	P3c1	147	<0.3
144	219	F-43c	144	<0.3
=145	120	I-4c2	140	<0.3
=145	193	P63/mcm	140	<0.3
=145	135	P42/mbc	140	<0.3
148	50	Pban	139	<0.3
149	84	P42/m	138	<0.3
150	91	P4122	137	<0.3
151	95	P4322	135	<0.3
152	67	Cmma	133	<0.3
=153	226	Fm-3c	132	<0.3
=153	180	P6222	132	<0.3
155	124	P4/mcc	131	<0.3

156	44	Imm2	129	<0.3
157	17	P2221	124	<0.3
158	42	Fmm2	117	<0.3
159	209	F432	116	<0.3
160	127	P4/mbm	115	<0.3
=161	21	C222	112	<0.3
=161	51	Pmma	112	<0.3
163	117	P-4b2	111	<0.3
164	211	I432	110	<0.3
165	48	Pnnn	106	<0.3
166	171	P62	104	<0.3
167	24	I212121	98	<0.3
168	210	F4132	97	<0.3
169	202	Fm-3	93	<0.3
170	75	P4	92	<0.3
171	201	Pn-3	91	<0.3
172	213	P4132	90	<0.3
173	216	F-43m	89	<0.3
174	212	P4332	88	<0.3
175	172	P64	87	<0.3
176	177	P622	86	<0.3
177	38	Amm2	84	<0.3
178	162	P-31m	83	<0.3
179	39	Abm2	81	<0.3
=180	181	P6422	79	<0.3
=180	125	P4/nbm	79	<0.3
=180	109	I41md	79	<0.3
183	175	P6/m	77	<0.3
184	187	P-6m2	76	<0.3
185	134	P42/nnm	73	<0.3
186	47	Pmmm	71	<0.3
187	189	P-62m	70	<0.3
188	133	P42/nbc	69	<0.3
189	116	P-4c2	68	<0.3
190	207	P432	67	<0.3
=191	200	Pm-3	66	<0.3
=191	83	P4/m	66	<0.3
193	174	P-6	62	<0.3
194	108	I4cm	60	<0.3
195	22	F222	57	<0.3
=196	6	Pm	51	<0.3
=196	119	I-4m2	51	<0.3
198	214	I4132	50	<0.3
199	112	P-42c	47	<0.3
200	16	P222	45	<0.3
201	224	Pn-3m	44	<0.3
202	27	Pcc2	43	<0.3
=203	103	P4cc	42	<0.3
=203	168	P6	42	<0.3
205	185	P63cm	41	<0.3
206	195	P23	39	<0.3
=207	102	P42nm	36	<0.3
=207	132	P42/mcm	36	<0.3
=207	151	P3112	36	<0.3
210	153	P3212	33	<0.3
211	107	I4mm	31	<0.3

212	157	P31m	28	<0.3
213	188	P-6c2	26	<0.3
214	49	Pccm	24	<0.3
215	149	P312	23	<0.3
216	28	Pma2	21	<0.3
=217	35	Cmm2	20	<0.3
=217	89	P422	20	<0.3
=217	100	P4bm	20	<0.3
220	184	P6cc	18	<0.3
221	156	P3m1	16	<0.3
=222	25	Pmm2	14	<0.3
=222	208	P4232	14	<0.3
224	115	P-4m2	12	<0.3
=225	93	P4222	10	<0.3
=225	101	P42cm	10	<0.3
=227	111	P-42m	9	<0.3
=227	99	P4mm	9	<0.3
229	183	P6mm	4	<0.3
230	105	P42mc	3	<0.3