

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

Space group frequency ranking for the 807,190 CSD structures for which the space group is fully defined. Statistics for enantiomorphous space groups are as reported in the CSD. 631,404 (78.2 %) of structures adopt centrosymmetric space groups, 175,787 (21.8 %) adopt non-centrosymmetric space groups, and 132,700 (16.4 %) 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	279041	34.6
2	2	P-1	198014	24.5
3	15	C2/c	67434	8.4
4	19	P212121	58438	7.2
5	4	P21	41791	5.2
6	61	Pbca	26951	3.3
7	33	Pna21	11145	1.4
8	62	Pnma	8734	1.1
9	9	Cc	8450	1.0
10	1	P1	7662	0.9
11	60	Pbcn	6867	0.9
12	5	C2	6826	0.8
13	29	Pca21	5968	0.7
14	13	P2/c	5232	0.6
15	148	R-3	5217	0.6
16	12	C2/m	4094	0.5
17	11	P21/m	4023	0.5
18	7	Pc	3447	0.4
19	18	P21212	3293	0.4
20	88	I41/a	2927	0.4
21	56	Pccn	2848	0.4
22	43	Fdd2	2751	0.3
23	92	P41212	1574	<0.3
24	20	C2221	1412	<0.3
25	96	P43212	1364	<0.3
26	167	R-3c	1294	<0.3
27	36	Cmc21	1142	<0.3
28	82	I-4	1104	<0.3
29	86	P42/n	1060	<0.3
30	146	R3	1020	<0.3
31	64	Cmca	1009	<0.3
32	114	P-421c	1003	<0.3
33	176	P63/m	946	<0.3
34	147	P-3	930	<0.3
35	70	Fddd	874	<0.3
36	41	Aba2	869	<0.3
37	52	Pnna	852	<0.3
38	57	Pbcm	800	<0.3
39	161	R3c	790	<0.3

40	63	Cmcm	786	<0.3
41	76	P41	742	<0.3
42	205	Pa-3	732	<0.3
43	152	P3121	725	<0.3
44	85	P4/n	710	<0.3
45	78	P43	619	<0.3
46	144	P31	586	<0.3
47	145	P32	575	<0.3
48	58	Pnnm	568	<0.3
49	154	P3221	542	<0.3
50	165	P-3c1	537	<0.3
51	173	P63	533	<0.3
=52	87	I4/m	532	<0.3
=52	225	Fm-3m	532	<0.3
54	122	I-42d	520	<0.3
=55	31	Pmn21	499	<0.3
=55	198	P213	499	<0.3
57	169	P61	494	<0.3
58	45	Iba2	468	<0.3
59	170	P65	466	<0.3
60	142	I41/acd	412	<0.3
=61	68	Ccca	383	<0.3
=61	130	P4/ncc	383	<0.3
63	54	Pcca	382	<0.3
64	155	R32	367	<0.3
65	166	R-3m	360	<0.3
66	163	P-31c	341	<0.3
67	72	Ibam	336	<0.3
68	110	I41cd	307	<0.3
69	8	Cm	293	<0.3
70	159	P31c	276	<0.3
71	217	I-43m	270	<0.3
72	34	Pnn2	251	<0.3
73	59	Pmmn	247	<0.3
74	220	I-43d	242	<0.3
75	160	R3m	239	<0.3
76	73	Ibca	230	<0.3
77	79	I4	226	<0.3
78	178	P6122	223	<0.3
79	55	Pbam	222	<0.3
80	113	P-421m	211	<0.3
81	80	I41	207	<0.3
82	23	I222	190	<0.3
83	143	P3	187	<0.3
84	194	P63/mmc	186	<0.3
85	81	P-4	185	<0.3
=86	129	P4/nmm	175	<0.3
=86	126	P4/nnc	175	<0.3
88	74	Imma	171	<0.3
89	179	P6522	170	<0.3

90	139	I4/mmm	158	<0.3
91	118	P-4n2	153	<0.3
=92	32	Pba2	151	<0.3
=92	141	I41/amd	151	<0.3
94	121	I-42m	148	<0.3
95	40	Ama2	145	<0.3
=96	3	P2	142	<0.3
=96	197	I23	142	<0.3
98	94	P42212	140	<0.3
99	136	P42/mnm	139	<0.3
100	123	P4/mmm	134	<0.3
101	26	Pmc21	131	<0.3
102	229	Im-3m	130	<0.3
103	221	Pm-3m	128	<0.3
104	227	Fd-3m	127	<0.3
105	190	P-62c	126	<0.3
106	218	P-43n	118	<0.3
107	228	Fd-3c	116	<0.3
108	53	Pmna	115	<0.3
109	46	Ima2	114	<0.3
110	65	Cmmm	111	<0.3
111	10	P2/m	110	<0.3
112	186	P63mc	107	<0.3
113	30	Pnc2	106	<0.3
114	37	Ccc2	105	<0.3
=115	222	Pn-3n	103	<0.3
=115	182	P6322	103	<0.3
117	204	Im-3	102	<0.3
=118	84	P42/m	99	<0.3
=118	206	Ia-3	99	<0.3
120	138	P42/ncm	97	<0.3
121	137	P42/nmc	96	<0.3
122	104	P4nc	95	<0.3
123	192	P6/mcc	94	<0.3
124	128	P4/mnc	90	<0.3
125	66	Cccm	89	<0.3
126	203	Fd-3	88	<0.3
=127	71	Immm	87	<0.3
=127	219	F-43c	87	<0.3
129	164	P-3m1	86	<0.3
=130	77	P42	84	<0.3
=130	120	I-4c2	84	<0.3
132	98	I4122	83	<0.3
=133	230	Ia-3d	82	<0.3
=133	106	P42bc	82	<0.3
135	135	P42/mbc	80	<0.3
=136	50	Pban	79	<0.3
=136	17	P2221	79	<0.3
=136	150	P321	79	<0.3
139	196	F23	77	<0.3

=140	158	P3c1	74	<0.3
=140	124	P4/mcc	74	<0.3
142	140	I4/mcm	72	<0.3
143	44	Imm2	70	<0.3
144	42	Fmm2	69	<0.3
145	91	P4122	68	<0.3
146	127	P4/mbm	64	<0.3
147	223	Pm-3n	61	<0.3
=148	69	Fmmm	60	<0.3
=148	24	I212121	60	<0.3
=150	95	P4322	59	<0.3
=150	171	P62	59	<0.3
=152	90	P4212	58	<0.3
=152	67	Cmma	58	<0.3
=152	48	Pnnn	58	<0.3
=152	21	C222	58	<0.3
=152	199	I213	58	<0.3
157	117	P-4b2	56	<0.3
158	180	P6222	54	<0.3
159	51	Pmma	52	<0.3
=160	39	Abm2	51	<0.3
=160	215	P-43m	51	<0.3
=160	193	P63/mcm	51	<0.3
163	216	F-43m	50	<0.3
=164	97	I422	48	<0.3
=164	226	Fm-3c	48	<0.3
=164	191	P6/mmm	48	<0.3
=164	134	P42/nnm	48	<0.3
168	213	P4132	46	<0.3
169	75	P4	45	<0.3
170	172	P64	45	<0.3
171	131	P42/mmc	40	<0.3
172	202	Fm-3	39	<0.3
173	83	P4/m	38	<0.3
=174	210	F4132	37	<0.3
=174	109	I41md	37	<0.3
176	175	P6/m	36	<0.3
=177	181	P6422	35	<0.3
=177	16	P222	35	<0.3
=179	212	P4332	34	<0.3
=179	133	P42/nbc	34	<0.3
=181	209	F432	31	<0.3
=181	201	Pn-3	31	<0.3
=181	187	P-6m2	31	<0.3
184	47	Pmmm	30	<0.3
185	108	I4cm	29	<0.3
=186	119	I-4m2	28	<0.3
=186	112	P-42c	28	<0.3
=188	22	F222	27	<0.3
=188	189	P-62m	27	<0.3

=188	185	P63cm	27	<0.3
=188	116	P-4c2	27	<0.3
=192	224	Pn-3m	25	<0.3
=192	162	P-31m	25	<0.3
=192	151	P3112	25	<0.3
=195	214	I4132	24	<0.3
=195	211	I432	24	<0.3
=195	168	P6	24	<0.3
=195	102	P42nm	24	<0.3
199	103	P4cc	23	<0.3
=200	38	Amm2	22	<0.3
=200	174	P-6	22	<0.3
=202	6	Pm	21	<0.3
=202	125	P4/nbm	21	<0.3
=204	27	Pcc2	19	<0.3
=204	200	Pm-3	19	<0.3
206	49	Pccm	18	<0.3
207	153	P3212	17	<0.3
208	132	P42/mcm	16	<0.3
=209	195	P23	15	<0.3
=209	188	P-6c2	15	<0.3
=209	157	P31m	15	<0.3
=209	149	P312	15	<0.3
=213	28	Pma2	13	<0.3
=213	107	I4mm	13	<0.3
215	25	Pmm2	11	<0.3
=216	93	P4222	9	<0.3
=216	207	P432	9	<0.3
=216	184	P6cc	9	<0.3
=219	89	P422	8	<0.3
=219	177	P622	8	<0.3
=219	156	P3m1	8	<0.3
=222	35	Cmm2	6	<0.3
=222	111	P-42m	6	<0.3
=222	101	P42cm	6	<0.3
225	208	P4232	5	<0.3
=226	183	P6mm	4	<0.3
=226	115	P-4m2	4	<0.3
=226	100	P4bm	4	<0.3
229	99	P4mm	3	<0.3
230	105	P42mc	2	<0.3