Cambridge Structural Database
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CSD Space Group Statistics – Space Group Number Ordering

Space group number ranking for the 1,359,039 CSD structures for which the space group is fully defined. Statistics for enantiomorphous space groups are as reported in the CSD. 1,063,306 (78 %) structures adopt centrosymmetric space groups, 295,733 (22 %) adopt non-centrosymmetric space groups, and 222,854 (16 %) structures adopt Sohncke space groups.

SG No.	*Rank*	*Space Group*	*No. in CSD*	*% of CSD*
1	9	P1	13,692	1.0
2	2	P-1	342,599	25.2
3	106	P2	244	<0.3
4	5	P21	70,852	5.2
5	11	C2	11,764	0.9
6	196	Pm	50	<0.3
7	17	Pc	6,289	0.5
8	73	Cm	484	<0.3
9	8	Cc	14,143	1.0
10	=115	P2/m	212	<0.3
11	18	P21/m	6,185	0.5
12	16	C2/m	6,974	0.5
13	15	P2/c	8,859	0.7
14	1	P21/c	461,012	33.9
15	3	C2/c	111,611	8.2
16	=200	P222	42	<0.3
17	155	P2221	119	<0.3
18	19	P21212	5,546	0.4
19	4	P212121	94,716	7.0
20	25	C2221	2,356	<0.3
21	164	C222	102	<0.3
22	195	F222	53	<0.3
23	88	I222	343	<0.3
24	167	I212121	96	<0.3
25	222	Pmm2	12	<0.3
26	=108	Pmc21	238	<0.3
27	=200	Pcc2	42	<0.3
28	215	Pma2	21	<0.3
29	14	Pca21	10,283	0.8
30	117	Pnc2	206	<0.3
31	59	Pmn21	805	<0.3
32	=108	Pba2	238	<0.3
33	7	Pna21	18,451	1.4
34	80	Pnn2	392	<0.3
35	221	Cmm2	15	<0.3
36	28	Cmc21	1,854	<0.3
37	=136	Ccc2	161	<0.3
38	=180	Amm2	75	<0.3
39	177	Abm2	79	<0.3
40	=101	Ama2	257	<0.3
41	37	Aba2	1,437	<0.3
42	161	Fmm2	107	<0.3
43	22	Fdd2	4,494	0.3

44	165	Imm2	101	<0.3
45	60	Iba2	773	<0.3
46	124	Ima2	193	<0.3
47	=186	Pmmm	67	<0.3
48	=162	Pnnn	105	<0.3
49	213	Pccm	24	<0.3
50	146	Pban	135	<0.3
51	=162	Pmma	105	<0.3
52	36	Pnna	1,441	<0.3
53	123	Pmna	195	<0.3
54	66	Pcca	636	<0.3
55	76	Pbam	406	<0.3
56	21	Pccn	4,727	0.3
57	41	Pbcm	1,311	<0.3
58	52	Pnnm	957	<0.3
59	81	Pmmn	390	<0.3
60	12	Pbcn	11,078	0.8
61	6	Pbca	43,301	3.2
62	10	Pnma	13,434	1.0
63	40	Cmcm	1,316	<0.3
64	31	Cmca	1,640	<0.3
65	87	Cmmm	345	<0.3
66	129	Cccm	172	<0.3
67	150	Cmma	131	<0.3
68	67	Ccca	628	<0.3
69	121	Fmmm	201	<0.3
70	33	Fddd	1,535	<0.3
71	110	Immm	237	<0.3
72	68	Ibam	558	<0.3
73	83	Ibca	367	<0.3
74	75	Imma	427	<0.3
75	=171	P4	84	<0.3
76	43	P41	1,205	<0.3
77	140	P42	146	<0.3
78	46	P43	1,107	<0.3
79	82	I4	371	<0.3
80	86	I41	352	<0.3
81	95	P-4	295	<0.3
82	29	I-4	1,806	<0.3
83	188	P4/m	65	<0.3
84	=148	P42/m	133	<0.3
85	45	P4/n	1,152	<0.3
86	30	P42/n	1,684	<0.3
87	47	I4/m	1,055	<0.3
88	20	I41/a	4,828	0.4
89	=216	P422	20	<0.3
90	=136	P4212	161	<0.3
91	152	P4122	127	<0.3
92	23	P41212	2,543	<0.3
93	=223	P4222	10	<0.3
94	96	P42212	277	<0.3
95	154	P4322	121	<0.3
96	26	P43212	2,299	<0.3
97	=131	I422	169	<0.3
98	91	I4122	330	<0.3
99	=226	P4mm	9	<0.3

100	=218	P4bm	18	<0.3
101	=226	P42cm	9	<0.3
102	=207	P42nm	36	<0.3
103	=203	P4cc	41	<0.3
104	=133	P4nc	165	<0.3
105	230	P42mc	3	<0.3
106	142	P42bc	141	<0.3
107	210	I4mm	31	<0.3
108	=193	I4cm	57	<0.3
109	179	I41md	76	<0.3
110	70	I41cd	530	<0.3
111	=226	P-42m	9	<0.3
112	199	P-42c	44	<0.3
113	78	P-421m	400	<0.3
114	34	P-421c	1,514	<0.3
115	=223	P-4m2	10	<0.3
116	=191	P-4c2	60	<0.3
117	=159	P-4b2	108	<0.3
118	=111	P-4n2	234	<0.3
119	197	I-4m2	49	<0.3
120	145	I-4c2	138	<0.3
121	107	I-42m	240	<0.3
122	58	I-42d	854	<0.3
123	104	P4/mmm	250	<0.3
124	153	P4/mcc	125	<0.3
125	=180	P4/nbm	75	<0.3
126	=89	P4/nnc	333	<0.3
127	=159	P4/mbm	108	<0.3
128	97	P4/mnc	276	<0.3
129	98	P4/nmm	272	<0.3
130	63	P4/ncc	697	<0.3
131	128	P42/mmc	187	<0.3
132	=207	P42/mcm	36	<0.3
133	=191	P42/nbc	60	<0.3
134	183	P42/nnm	73	<0.3
135	147	P42/mbc	134	<0.3
136	=101	P42/mnm	257	<0.3
137	=119	P42/nmc	202	<0.3
138	126	P42/ncm	189	<0.3
139	74	I4/mmm	453	<0.3
140	125	I4/mcm	192	<0.3
141	=84	I41/amd	365	<0.3
142	61	I41/acd	711	<0.3
143	92	P3	318	<0.3
144	50	P31	983	<0.3
145	49	P32	993	<0.3
146	27	R3	1,978	<0.3
147	32	P-3	1,579	<0.3
148	13	R-3	10,953	0.8
149	214	P312	23	<0.3
150	130	P321	170	<0.3
151	=207	P3112	36	<0.3
152	44	P3121	1,180	<0.3
153	211	P3212	30	<0.3
154	51	P3221	959	<0.3
155	64	R32	641	<0.3

156	220	P3m1	16	<0.3
157	212	P31m	28	<0.3
158	141	P3c1	144	<0.3
159	71	P31c	498	<0.3
160	77	R3m	405	<0.3
161	39	R3c	1,340	<0.3
162	178	P-31m	77	<0.3
163	65	P-31c	640	<0.3
164	113	P-3m1	219	<0.3
165	53	P-3c1	947	<0.3
166	55	R-3m	883	<0.3
167	24	R-3c	2,524	<0.3
168	205	P6	39	<0.3
169	54	P61	895	<0.3
170	57	P65	868	<0.3
171	166	P62	99	<0.3
172	175	P64	81	<0.3
173	48	P63	1,051	<0.3
174	=193	P-6	57	<0.3
175	184	P6/m	72	<0.3
176	35	P63/m	1,504	<0.3
177	176	P622	80	<0.3
178	=84	P6122	365	<0.3
179	93	P6522	302	<0.3
180	157	P6222	112	<0.3
181	185	P6422	71	<0.3
182	105	P6322	246	<0.3
183	229	P6mm	4	<0.3
184	=218	P6cc	18	<0.3
185	=203	P63cm	41	<0.3
186	122	P63mc	197	<0.3
187	182	P-6m2	74	<0.3
188	=216	P-6c2	20	<0.3
189	=186	P-62m	67	<0.3
190	99	P-62c	266	<0.3
191	=115	P6/mmm	212	<0.3
192	=133	P6/mcc	165	<0.3
193	=148	P63/mcm	133	<0.3
194	62	P63/mmc	702	<0.3
195	206	P23	37	<0.3
196	139	F23	150	<0.3
197	100	I23	259	<0.3
198	56	P213	878	<0.3
199	=133	I213	165	<0.3
200	189	Pm-3	64	<0.3
201	=168	Pn-3	87	<0.3
202	=171	Fm-3	84	<0.3
203	=131	Fd-3	169	<0.3
204	=111	Im-3	234	<0.3
205	42	Pa-3	1,237	<0.3
206	127	Ia-3	188	<0.3
207	190	P432	62	<0.3
208	=223	P4232	10	<0.3
209	158	F432	111	<0.3
210	=168	F4132	87	<0.3
211	156	I432	113	<0.3

212	173	P4332	83	<0.3
213	170	P4132	86	<0.3
214	198	I4132	46	<0.3
215	118	P-43m	204	<0.3
216	174	F-43m	82	<0.3
217	69	I-43m	550	<0.3
218	103	P-43n	253	<0.3
219	144	F-43c	139	<0.3
220	79	I-43d	398	<0.3
221	72	Pm-3m	492	<0.3
222	114	Pn-3n	218	<0.3
223	143	Pm-3n	140	<0.3
224	=200	Pn-3m	42	<0.3
225	38	Fm-3m	1,388	<0.3
226	151	Fm-3c	130	<0.3
227	94	Fd-3m	298	<0.3
228	=119	Fd-3c	202	<0.3
229	=89	Im-3m	333	<0.3
230	138	Ia-3d	156	<0.3