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

Space group number 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.

SG No.	*Rank*	*Space Group*	*No. in CSD*	*% of CSD*
1	9	P1	14,628	1.0
2	2	P-1	360,320	25.2
3	=105	P2	256	<0.3
4	5	P21	74,867	5.2
5	11	C2	12,503	0.9
6	=196	Pm	51	<0.3
7	17	Pc	6,656	0.5
8	73	Cm	522	<0.3
9	8	Cc	14,822	1.0
10	116	P2/m	222	<0.3
11	18	P21/m	6,432	0.5
12	16	C2/m	7,338	0.5
13	15	P2/c	9,312	0.7
14	1	P21/c	482,555	33.8
15	3	C2/c	117,036	8.2
16	200	P222	45	<0.3
17	157	P2221	124	<0.3
18	19	P21212	5,841	0.4
19	4	P212121	99,582	7.0
20	25	C2221	2,497	<0.3
21	=161	C222	112	<0.3
22	195	F222	57	<0.3
23	88	I222	361	<0.3
24	167	I212121	98	<0.3
25	=222	Pmm2	14	<0.3
26	110	Pmc21	246	<0.3
27	202	Pcc2	43	<0.3
28	216	Pma2	21	<0.3
29	14	Pca21	10,866	0.8
30	120	Pnc2	214	<0.3
31	59	Pmn21	846	<0.3
32	=108	Pba2	253	<0.3
33	7	Pna21	19,399	1.4
34	82	Pnn2	406	<0.3
35	=217	Cmm2	20	<0.3
36	28	Cmc21	1,950	<0.3
37	=136	Ccc2	171	<0.3
38	177	Amm2	84	<0.3
39	179	Abm2	81	<0.3
40	102	Ama2	268	<0.3
41	38	Aba2	1,513	<0.3
42	158	Fmm2	117	<0.3
43	22	Fdd2	4,700	0.3

44	156	Imm2	129	<0.3
45	60	Iba2	814	<0.3
46	123	Ima2	202	<0.3
47	186	Pmmm	71	<0.3
48	165	Pnnn	106	<0.3
49	214	Pccm	24	<0.3
50	148	Pban	139	<0.3
51	=161	Pmma	112	<0.3
52	36	Pnna	1,559	<0.3
53	=125	Pmna	200	<0.3
54	65	Pcca	682	<0.3
55	76	Pbam	432	<0.3
56	21	Pccn	4,931	0.3
57	41	Pbcm	1,373	<0.3
58	50	Pnnm	1,049	<0.3
59	79	Pmmn	412	<0.3
60	12	Pbcn	11,596	0.8
61	6	Pbca	45,265	3.2
62	10	Pnma	14,087	1.0
63	40	Cmcm	1,379	<0.3
64	30	Cmca	1,839	<0.3
65	86	Cmmm	377	<0.3
66	127	Cccm	196	<0.3
67	152	Cmma	133	<0.3
68	67	Ccca	653	<0.3
69	117	Fmmm	221	<0.3
70	33	Fddd	1,669	<0.3
71	=108	Immm	253	<0.3
72	68	Ibam	576	<0.3
73	81	Ibca	409	<0.3
74	75	Imma	458	<0.3
75	170	P4	92	<0.3
76	43	P41	1,249	<0.3
77	140	P42	155	<0.3
78	46	P43	1,169	<0.3
79	83	I4	397	<0.3
80	87	I41	372	<0.3
81	95	P-4	317	<0.3
82	29	I-4	1,909	<0.3
83	=191	P4/m	66	<0.3
84	149	P42/m	138	<0.3
85	44	P4/n	1,236	<0.3
86	31	P42/n	1,740	<0.3
87	48	I4/m	1,104	<0.3
88	20	I41/a	5,088	0.4
89	=217	P422	20	<0.3
90	=132	P4212	176	<0.3
91	150	P4122	137	<0.3
92	23	P41212	2,686	<0.3
93	=225	P4222	10	<0.3
94	=96	P42212	285	<0.3
95	151	P4322	135	<0.3
96	26	P43212	2,424	<0.3
97	134	I422	175	<0.3
98	89	I4122	348	<0.3
99	=227	P4mm	9	<0.3

100	=217	P4bm	20	<0.3
101	=225	P42cm	10	<0.3
102	=207	P42nm	36	<0.3
103	=203	P4cc	42	<0.3
104	135	P4nc	173	<0.3
105	230	P42mc	3	<0.3
106	142	P42bc	148	<0.3
107	211	I4mm	31	<0.3
108	194	I4cm	60	<0.3
109	=180	I41md	79	<0.3
110	71	I41cd	540	<0.3
111	=227	P-42m	9	<0.3
112	199	P-42c	47	<0.3
113	80	P-421m	411	<0.3
114	35	P-421c	1,577	<0.3
115	224	P-4m2	12	<0.3
116	189	P-4c2	68	<0.3
117	163	P-4b2	111	<0.3
118	=112	P-4n2	240	<0.3
119	=196	I-4m2	51	<0.3
120	=145	I-4c2	140	<0.3
121	111	I-42m	242	<0.3
122	58	I-42d	897	<0.3
123	103	P4/mmm	265	<0.3
124	155	P4/mcc	131	<0.3
125	=180	P4/nbm	79	<0.3
126	91	P4/nnc	341	<0.3
127	160	P4/mbm	115	<0.3
128	=96	P4/mnc	285	<0.3
129	98	P4/nmm	283	<0.3
130	63	P4/ncc	724	<0.3
131	124	P42/mmc	201	<0.3
132	=207	P42/mcm	36	<0.3
133	188	P42/nbc	69	<0.3
134	185	P42/nnm	73	<0.3
135	=145	P42/mbc	140	<0.3
136	101	P42/mnm	273	<0.3
137	115	P42/nmc	230	<0.3
138	=128	P42/ncm	193	<0.3
139	74	I4/mmm	516	<0.3
140	=128	I4/mcm	193	<0.3
141	84	I41/amd	393	<0.3
142	62	I41/acd	743	<0.3
143	92	P3	333	<0.3
144	51	P31	1,038	<0.3
145	49	P32	1,072	<0.3
146	27	R3	2,111	<0.3
147	32	P-3	1,672	<0.3
148	13	R-3	11,441	0.8
149	215	P312	23	<0.3
150	=132	P321	176	<0.3
151	=207	P3112	36	<0.3
152	45	P3121	1,234	<0.3
153	210	P3212	33	<0.3
154	53	P3221	1,005	<0.3
155	66	R32	678	<0.3

156	221	P3m1	16	<0.3
157	212	P31m	28	<0.3
158	143	P3c1	147	<0.3
159	72	P31c	529	<0.3
160	77	R3m	426	<0.3
161	39	R3c	1,410	<0.3
162	178	P-31m	83	<0.3
163	64	P-31c	696	<0.3
164	104	P-3m1	263	<0.3
165	54	P-3c1	987	<0.3
166	55	R-3m	934	<0.3
167	24	R-3c	2,645	<0.3
168	=203	P6	42	<0.3
169	52	P61	1,019	<0.3
170	56	P65	929	<0.3
171	166	P62	104	<0.3
172	175	P64	87	<0.3
173	47	P63	1,132	<0.3
174	193	P-6	62	<0.3
175	183	P6/m	77	<0.3
176	34	P63/m	1,606	<0.3
177	176	P622	86	<0.3
178	85	P6122	385	<0.3
179	=93	P6522	323	<0.3
180	=153	P6222	132	<0.3
181	=180	P6422	79	<0.3
182	=105	P6322	256	<0.3
183	229	P6mm	4	<0.3
184	220	P6cc	18	<0.3
185	205	P63cm	41	<0.3
186	118	P63mc	220	<0.3
187	184	P-6m2	76	<0.3
188	213	P-6c2	26	<0.3
189	187	P-62m	70	<0.3
190	99	P-62c	279	<0.3
191	119	P6/mmm	217	<0.3
192	131	P6/mcc	183	<0.3
193	=145	P63/mcm	140	<0.3
194	61	P63/mmc	795	<0.3
195	206	P23	39	<0.3
196	141	F23	150	<0.3
197	100	I23	274	<0.3
198	57	P213	921	<0.3
199	=136	I213	171	<0.3
200	=191	Pm-3	66	<0.3
201	171	Pn-3	91	<0.3
202	169	Fm-3	93	<0.3
203	130	Fd-3	184	<0.3
204	114	Im-3	237	<0.3
205	42	Pa-3	1,282	<0.3
206	=125	Ia-3	200	<0.3
207	190	P432	67	<0.3
208	=222	P4232	14	<0.3
209	159	F432	116	<0.3
210	168	F4132	97	<0.3
211	164	I432	110	<0.3

212	174	P4332	88	<0.3
213	172	P4132	90	<0.3
214	198	I4132	50	<0.3
215	=121	P-43m	207	<0.3
216	173	F-43m	89	<0.3
217	69	I-43m	569	<0.3
218	=105	P-43n	256	<0.3
219	144	F-43c	144	<0.3
220	78	I-43d	416	<0.3
221	70	Pm-3m	556	<0.3
222	=112	Pn-3n	240	<0.3
223	139	Pm-3n	158	<0.3
224	201	Pn-3m	44	<0.3
225	37	Fm-3m	1,520	<0.3
226	=153	Fm-3c	132	<0.3
227	=93	Fd-3m	323	<0.3
228	=121	Fd-3c	207	<0.3
229	90	Im-3m	347	<0.3
230	138	Ia-3d	160	<0.3