

Cambridge Structural Database
1 January 2012

CSD Space Group Statistics – Space Group Number Ordering

Space group frequency for the 592,938 CSD structures for which the space group is fully defined. Statistics for enantiomorphous space groups are as reported in the CSD.

SG No.	Rank	SG No.	Space Group	No. in CSD	% of CSD
1	10.	1	P1	5664	1.0
2	2.	2	P-1	140772	23.8
3	97.	3	P2	103	<0.3
4	5.	4	P21	31429	5.3
5	12.	5	C2	5006	0.8
6	184.	6	Pm	20	<0.3
7	19.	7	Pc	2478	0.4
8	66.	8	Cm	229	<0.3
9	9.	9	Cc	6318	1.1
10	104.	10	P2/m	88	<0.3
11	16.	11	P21/m	3096	0.5
12	17.	12	C2/m	3077	0.5
13	14.	13	P2/c	3703	0.6
14	1.	14	P21/c	206840	34.9
15	3.	15	C2/c	48584	8.2
16	170.	16	P222	28	<0.3
17	128.	17	P2221	62	<0.3
18	18.	18	P21212	2488	0.4
19	4.	19	P212121	45008	7.6
20	24.	20	C2221	1062	<0.3
21	147.	21	C222	44	<0.3
22	198.	22	F222	15	<0.3
23	83.	23	I222	149	<0.3
24	148.	24	I212121	44	<0.3
25	211.	25	Pmm2	11	<0.3
26	94.	26	Pmc21	109	<0.3
27	203.	27	Pcc2	12	<0.3
28	208.	28	Pma2	11	<0.3
29	13.	29	Pca21	4319	0.7
30	107.	30	Pnc2	83	<0.3
31	51.	31	Pmn21	403	<0.3
32	93.	32	Pba2	109	<0.3
33	7.	33	Pna21	8234	1.6
34	75.	34	Pnn2	179	<0.3
35	224.	35	Cmm2	5	<0.3
36	26.	36	Cmc21	881	<0.3
37	109.	37	Ccc2	82	<0.3
38	188.	38	Amm2	19	<0.3
39	156.	39	Abm2	39	<0.3
40	95.	40	Ama2	107	<0.3
41	36.	41	Aba2	629	<0.3
42	124.	42	Fmm2	63	<0.3
43	22.	43	Fdd2	2029	0.3
44	132.	44	Imm2	60	<0.3
45	57.	45	Iba2	338	<0.3
46	112.	46	Ima2	79	<0.3
47	187.	47	Pmmm	20	<0.3
48	146.	48	Pnnn	45	<0.3

49	197.	49	Pccm	16	<0.3
50	143.	50	Pban	47	<0.3
51	153.	51	Pmma	41	<0.3
52	39.	52	Pnna	592	<0.3
53	102.	53	Pmna	92	<0.3
54	61.	54	Pcca	284	<0.3
55	77.	55	Pbam	168	<0.3
56	20.	56	Pccn	2111	0.4
57	37.	57	Pbcm	611	<0.3
58	47.	58	Pnnm	448	<0.3
59	70.	59	Pmmn	200	<0.3
60	11.	60	Pbcn	5161	0.9
61	6.	61	Pbca	20490	3.5
62	8.	62	Pnma	6837	1.2
63	35.	63	Cmcm	630	<0.3
64	31.	64	Cmca	747	<0.3
65	108.	65	Cmmm	82	<0.3
66	129.	66	Cccm	62	<0.3
67	151.	67	Cmma	42	<0.3
68	60.	68	Ccca	287	<0.3
69	154.	69	Fmmm	41	<0.3
70	40.	70	Fddd	569	<0.3
71	120.	71	Immm	66	<0.3
72	64.	72	Ibam	247	<0.3
73	76.	73	Ibca	171	<0.3
74	98.	74	Imma	100	<0.3
75	162.	75	P4	33	<0.3
76	41.	76	P41	562	<0.3
77	121.	77	P42	66	<0.3
78	46.	78	P43	453	<0.3
79	78.	79	I4	166	<0.3
80	81.	80	I41	153	<0.3
81	84.	81	P-4	148	<0.3
82	28.	82	I-4	799	<0.3
83	164.	83	P4/m	32	<0.3
84	113.	84	P42/m	74	<0.3
85	42.	85	P4/n	547	<0.3
86	29.	86	P42/n	794	<0.3
87	52.	87	I4/m	382	<0.3
88	21.	88	I41/a	2067	0.3
89	217.	89	P422	6	<0.3
90	157.	90	P4212	39	<0.3
91	141.	91	P4122	50	<0.3
92	23.	92	P41212	1233	<0.3
93	219.	93	P4222	5	<0.3
94	92.	94	P42212	111	<0.3
95	160.	95	P4322	37	<0.3
96	25.	96	P43212	1029	<0.3
97	159.	97	I422	37	<0.3
98	133.	98	I4122	60	<0.3
99	230.	99	P4mm	1	<0.3
100	227.	100	P4bm	3	<0.3
101	223.	101	P42cm	5	<0.3
102	194.	102	P42nm	17	<0.3
103	205.	103	P4cc	12	<0.3
104	118.	104	P4nc	68	<0.3
105	229.	105	P42mc	2	<0.3
106	130.	106	P42bc	61	<0.3

107	202.	107	I4mm	13	<0.3
108	189.	108	I4cm	19	<0.3
109	168.	109	I41md	29	<0.3
110	69.	110	I41cd	212	<0.3
111	218.	111	P-42m	6	<0.3
112	180.	112	P-42c	21	<0.3
113	74.	113	P-421m	184	<0.3
114	30.	114	P-421c	769	<0.3
115	228.	115	P-4m2	3	<0.3
116	181.	116	P-4c2	21	<0.3
117	145.	117	P-4b2	45	<0.3
118	90.	118	P-4n2	116	<0.3
119	175.	119	I-4m2	24	<0.3
120	134.	120	I-4c2	59	<0.3
121	88.	121	I-42m	124	<0.3
122	55.	122	I-42d	367	<0.3
123	110.	123	P4/mmm	81	<0.3
124	136.	124	P4/mcc	57	<0.3
125	195.	125	P4/nbm	16	<0.3
126	86.	126	P4/nnc	129	<0.3
127	135.	127	P4/mbm	57	<0.3
128	137.	128	P4/mnc	56	<0.3
129	85.	129	P4/nmm	132	<0.3
130	62.	130	P4/ncc	277	<0.3
131	182.	131	P42/mmc	21	<0.3
132	204.	132	P42/mcm	12	<0.3
133	174.	133	P42/nbc	25	<0.3
134	163.	134	P42/nnm	33	<0.3
135	142.	135	P42/mbc	49	<0.3
136	96.	136	P42/mnm	105	<0.3
137	114.	137	P42/nmc	74	<0.3
138	119.	138	P42/ncm	68	<0.3
139	99.	139	I4/mmm	99	<0.3
140	152.	140	I4/mcm	42	<0.3
141	91.	141	I41/amd	113	<0.3
142	59.	142	I41/acd	298	<0.3
143	82.	143	P3	152	<0.3
144	45.	144	P31	459	<0.3
145	48.	145	P32	418	<0.3
146	32.	146	R3	747	<0.3
147	34.	147	P-3	689	<0.3
148	15.	148	R-3	3670	0.6
149	215.	149	P312	8	<0.3
150	140.	150	P321	53	<0.3
151	196.	151	P3112	16	<0.3
152	44.	152	P3121	528	<0.3
153	210.	153	P3212	11	<0.3
154	53.	154	P3221	370	<0.3
155	67.	155	R32	229	<0.3
156	222.	156	P3m1	5	<0.3
157	209.	157	P31m	11	<0.3
158	139.	158	P3c1	54	<0.3
159	71.	159	P31c	200	<0.3
160	79.	160	R3m	162	<0.3
161	38.	161	R3c	606	<0.3
162	214.	162	P-31m	8	<0.3
163	68.	163	P-31c	213	<0.3
164	138.	164	P-3m1	56	<0.3

165	50.	165	P-3c1	408	<0.3
166	65.	166	R-3m	230	<0.3
167	27.	167	R-3c	867	<0.3
168	191.	168	P6	19	<0.3
169	54.	169	P61	369	<0.3
170	58.	170	P65	299	<0.3
171	144.	171	P62	46	<0.3
172	161.	172	P64	35	<0.3
173	49.	173	P63	412	<0.3
174	177.	174	P-6	22	<0.3
175	193.	175	P6/m	18	<0.3
176	33.	176	P63/m	730	<0.3
177	226.	177	P622	3	<0.3
178	80.	178	P6122	158	<0.3
179	89.	179	P6522	123	<0.3
180	165.	180	P6222	32	<0.3
181	179.	181	P6422	22	<0.3
182	127.	182	P6322	63	<0.3
183	225.	183	P6mm	4	<0.3
184	216.	184	P6cc	7	<0.3
185	186.	185	P63cm	20	<0.3
186	111.	186	P63mc	79	<0.3
187	199.	187	P-6m2	15	<0.3
188	213.	188	P-6c2	9	<0.3
189	201.	189	P-62m	13	<0.3
190	105.	190	P-62c	85	<0.3
191	167.	191	P6/mmm	29	<0.3
192	116.	192	P6/mcc	69	<0.3
193	178.	193	P63/mcm	22	<0.3
194	87.	194	P63/mmc	125	<0.3
195	207.	195	P23	12	<0.3
196	158.	196	F23	39	<0.3
197	106.	197	I23	85	<0.3
198	56.	198	P213	357	<0.3
199	173.	199	I213	27	<0.3
200	212.	200	Pm3	10	<0.3
201	185.	201	Pn3	20	<0.3
202	169.	202	Fm3	29	<0.3
203	117.	203	Fd3	68	<0.3
204	126.	204	Im3	63	<0.3
205	43.	205	Pa3	536	<0.3
206	131.	206	Ia3	61	<0.3
207	221.	207	P432	5	<0.3
208	220.	208	P4232	5	<0.3
209	190.	209	F432	19	<0.3
210	206.	210	F4132	12	<0.3
211	200.	211	I432	14	<0.3
212	171.	212	P4332	27	<0.3
213	166.	213	P4132	30	<0.3
214	192.	214	I4132	18	<0.3
215	150.	215	P-43m	43	<0.3
216	155.	216	F-43m	40	<0.3
217	73.	217	I-43m	184	<0.3
218	103.	218	P-43n	92	<0.3
219	123.	219	F-43c	65	<0.3
220	72.	220	I-43d	185	<0.3
221	122.	221	Pm3m	66	<0.3
222	115.	222	Pn3n	69	<0.3

223	176.	223	Pm3n	24	<0.3
224	183.	224	Pn3m	20	<0.3
225	63.	225	Fm3m	264	<0.3
226	172.	226	Fm3c	27	<0.3
227	100.	227	Fd3m	98	<0.3
228	125.	228	Fd3c	63	<0.3
229	101.	229	Im3m	96	<0.3
230	149.	230	Ia3d	44	<0.3