

## APPENDIX A

### Statistical report

#### A.1. Manuscripts received by Co-editors

The number of manuscripts submitted to Acta in 2005 was 25% higher than in 2004. Sections B, E and F showed increases in submission levels; Sections A, C and D showed decreases. The largest decrease was for Section A, from 135 to 98. The combined number of submissions to Sections D and F decreased slightly from 615 to 554. The largest change was for Section E, which increased from 2383 to 3679; the total number of short structural papers submitted to Sections C and E increased from 3460 to 4625. In total, 5442 Acta manuscripts were submitted, compared with 4353 in 2004 and 3220 in 2003.

The number of manuscripts submitted to JAC was 196, compared with 226 in 2004 and 216 in 2003.

A total of 103 manuscripts were submitted to JSR, compared with 133 for both 2004 and 2003.

#### Manuscripts received by Co-editors

	1998	1999	2000	2001	2002	2003	2004	2005
Acta A	153	88	117	121	124	123	135	98
Acta B	117	128	131	148	141	122	143	165
Acta C	1147	1189	1233	733	738	850	1077	946
Acta D	297	313	376	432	504	530	499	233
Acta E			119	883	1036	1595	2383	3679
Acta F							116	321
Acta total	1714	1718	1976	2317	2543	3220	4353	5442
JAC	192	326	165	175	260	216	226	196
JSR	326	86	420	98	114	133	133	103
TOTAL	2232	2130	2561	2590	2917	3569	4712	5741

#### A.2. Papers accepted

The number of Acta papers accepted for publication by Co-editors in 2005 was 4048, a 29% increase on 2004 when 3149 were accepted. Sections B and E showed increases in the number of papers accepted of 5% and 58%, respectively; Sections A and C showed decreases of 43% and 28%, respectively, while the overall number of papers accepted for Sections D and F decreased by 1%.

The number of papers accepted for JAC was 146, compared with 167 in 2004 and 277 in 2003. It should be noted that the high number of accepted papers in 2003 included papers for the SAS2002 Conference Issue.

A total of 104 papers were accepted for JSR, compared with 86 in 2004 and 97 in 2003.

#### Accepted papers received in Chester

	1998	1999	2000	2001	2002	2003	2004	2005
Acta A	133	71	92	85	84	75	95	54
Acta B	104	119	122	106	118	82	91	96
Acta C	944	962	915	510	471	512	561	404
Acta D	271	304	349	395	467	486	446	211
Acta E			77	794	937	1370	1899	2996
Acta F							57	287
Acta total	1452	1456	1555	1890	2077	2525	3149	4048
JAC	152	220	178	138	138	277	167	146
JSR	243	155	327	82	99	97	86	104
TOTAL	1847	1831	2060	2110	2314	2899	3402	4298

### A.3. Papers published

Overall, 12986 Acta pages were published in 2005, compared with 10175 in 2004 and 8735 in 2003. This represents an increase of 28% on the 2004 level; the number of printed pages decreased from 5499 to 4445. 622 pages were printed for Section A (644 in 2004), 730 for Section B (763 in 2004), 1412 for Section C (1694 in 2004) and 1681 for Section D (2406 in 2004). Section E published 7439 electronic only pages (4676 in 2004) and Section F published 1102 electronic only pages in its first year of publication.

The average length of Full Articles in Section B decreased to 8.5 pages and the average lengths of Full Articles in Sections A, C and D increased to 9.2, 3.2 and 7.8 pages, respectively. The average length of Full Articles in Section E remained the same at 2.6 pages while the average length of Full Articles in Section F was 3.5 pages. Average publication times increased for Sections B (5.8 months), C (2.4 months) and D (5.8 months), and fell for Section A (5.1 months). Average publication times remained the same for Section E (0.8 months) and were 2.2 months for Section F. The changes for Section D reflect the transfer of crystallization and other short paper types to Section F.

The number of Full Articles published in JAC in 2005 was 111 (110 in 2004). The number of pages increased from 1041 to 1045. The average review time decreased to 4.3 months and the technical editing time decreased to 2.1 months; the overall publication time was 6.4 months.

The number of Full Articles published in JSR in 2005 was 115 (85 in 2004). The number of pages increased to 838 in 2005 (512 in 2004). The average review time increased to 6.1 months and the technical editing time increased to 2.7 months; the overall publication time increased to 8.8 months. The publication time for standard papers (i.e. those not published as part of a special issue) was 6.3 months made up of a review time of 4.0 months and a technical editing time of 2.3 months.

#### Pages(papers) published

	1999	2000	2001	2002	2003	2004	2005
Acta A	1073(122)	649(82)	803(103)	630(102)	628(83)	644(96)	622(74)
Acta B	1128(126)	1127(137)	877(110)	1088(132)	821(88)	763(87)	730(87)
Acta C	2192(929)	2179(943)	1504(545)	1570(535)	1482(482)	1694(556)	1412(439)
Acta D	2079(394)	1723(339)	1980(390)	2243(457)	2385(466)	2406(511)	1681(233)
Acta E			1998(800)	2374(922)	3419(1305)	4676(1811)	7439(2887)
Acta F							1102(311)
Acta total	6472(1571)	5678(1501)	7162(1948)	7905(2148)	8735(2424)	10183(3061)	12896(4031)
JAC	1208(192)	1468(259)	798(140)	760(128)	1505(282)	1041(170)	1045(157)
JSR	1209(311)	419(65)	1255(376)	413(93)	475(108)	512(119)	838(136)
TOTAL	8889(2074)	7565(1825)	9215(2464)	9078(2369)	10715(2814)	11736(3350)	14779(4324)

#### Average publication times for full articles

	Year	Review process (months)	Editing/printing (months)	Publication time (months)
Acta A	2005	3.3	1.8	5.1
	2004	4.2	2.0	6.2
	2003	2.7	1.8	4.5
	2002	3.1	2.5	5.6
	2001	3.1	4.1	7.2
	2000	3.1	3.7	6.8
	1999	4.6	6.5	11.1
Acta B	1998	4.1	5.3	9.4
	2005	3.7	2.1	5.8
	2004	2.9	1.9	4.8
	2003	3.2	2.2	5.4
	2002	2.9	3.3	6.2
	2001	3.5	3.6	7.2
	2000	3.5	5.1	8.5

	1999	5.1	6.4	11.6
	1998	5.3	7.9	13.1
Acta C	2005	1.3	1.1	2.4
	2004	1.1	1.2	2.3
	2003	1.1	1.1	2.2
	2002	1.3	1.4	2.7
	2001	2.0	2.8	4.8
	2000	2.3	2.9	5.2
	1999	2.8	4.0	6.8
	1998	3.2	5.2	8.4
Acta D	2005	3.4	2.4	5.8
	2004	2.5	1.8	4.3
	2003	2.9	2.0	4.9
	2002	3.2	2.0	5.2
	2001	3.0	2.5	5.5
	2000	3.2	2.4	5.7
	1999	3.4	3.7	7.0
	1998	3.5	7.1	10.6
Acta E	2005	0.6	0.2	0.8
	2004	0.5	0.2	0.8
	2003	0.5	0.4	0.9
	2002	0.6	0.4	0.9
	2001	0.6	0.4	1.0
Acta F	2005	1.7	0.5	2.2
JAC	2005	4.3	2.1	6.4
	2004	4.4	2.2	6.7
	2003	4.7	2.6	7.3
	2002	4.5	2.7	7.1
	2001	4.7	3.3	8.0
	2000	5.4	4.4	9.8
	1999	4.9	5.2	10.1
	1998	5.0	7.6	12.5
JSR	2005	6.1	2.7	8.8
	2004	4.9	1.7	6.5
	2003	5.5	2.7	8.2
	2002	4.6	2.0	6.6
	2001	3.5	2.6	6.1
	2000	3.9	2.5	6.3
	1999	3.6	2.8	6.4
	1998	4.2	3.1	7.3

#### A.4. Manuscripts rejected and withdrawn

The overall rejection rate for the journals (14%) was up from 2004 (13%). The rejection rates were highest for Sections C (31%) and B (27%) and lowest for Section F (4%) and JSR (6%). Withdrawal rates were highest for Section C (27%, as in 2004); the overall withdrawal rate was 11%, down from 13% in 2004.

#### Manuscripts rejected and withdrawn

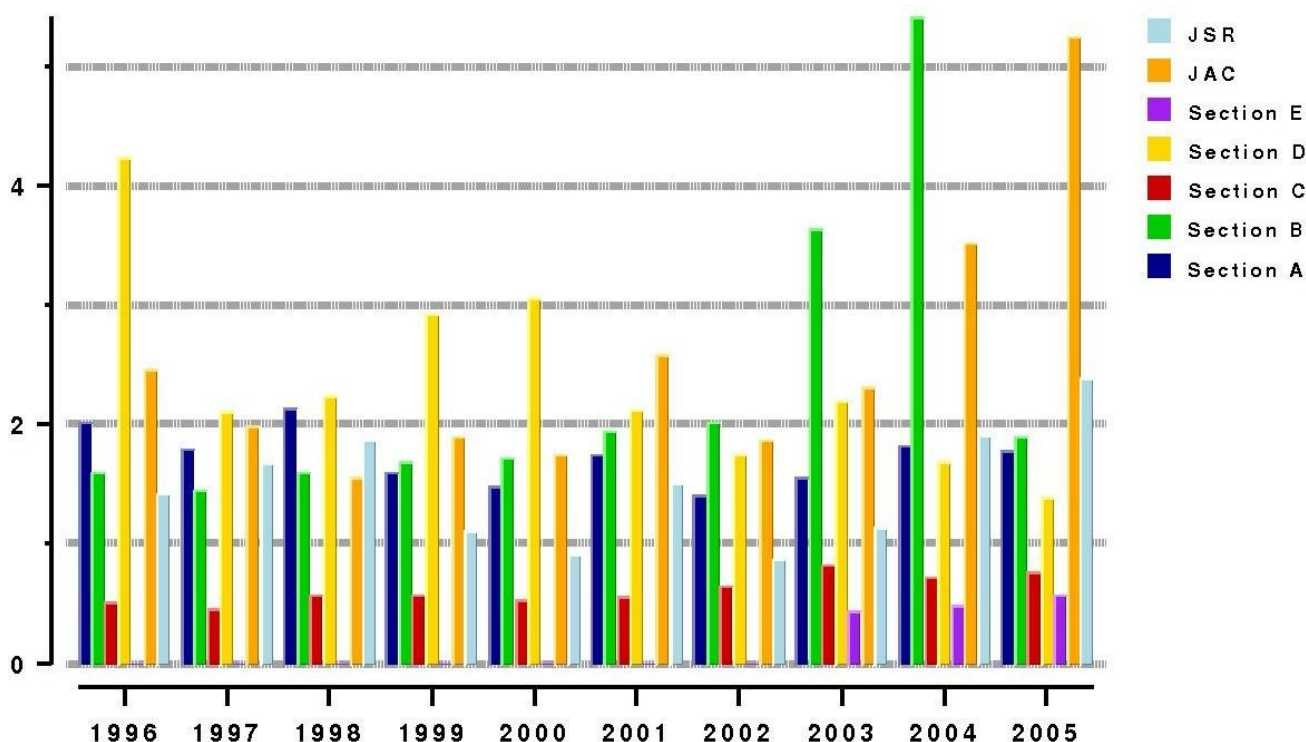
	Year	Number accepted	Number rejected	Number withdrawn	Rejection (%)	Withdrawal (%)
Acta A	2005	54	17	17	19	19

	2004	95	23	21	17	15
	2003	75	26	26	20	20
	2002	84	23	10	20	9
	2001	85	14	10	10	5
	2000	92	18	8	15	7
	1999	71	11	9	12	10
Acta B	2005	96	41	13	27	9
	2004	91	27	26	19	18
	2003	82	22	21	18	17
	2002	118	20	8	14	5
	2001	106	12	6	10	5
	2000	122	24	9	15	6
	1999	119	11	8	8	6
Acta C	2005	404	299	265	31	27
	2004	561	239	291	22	27
	2003	512	121	191	15	23
	2002	471	101	176	14	24
	2001	511	74	220	9	27
	2000	915	78	298	6	23
	1999	766	76	224	7	21
Acta D	2005	211	28	37	10	13
	2004	446	37	33	7	6
	2003	486	23	24	4	5
	2002	467	19	10	4	2
	2001	396	9	11	2	3
	2000	349	22	6	6	2
	1999	304	9	11	3	3
Acta E	2005	2996	342	256	10	7
	2004	1899	253	203	11	9
	2003	1370	81	117	5	7
	2002	937	37	67	4	6
	2001	794	24	53	3	6
	2000	77	1	6	1	7
Acta F	2005	287	13	17	4	5
	2004	57	1	1	2	2
JAC	2005	146	33	23	16	11
	2004	167	26	33	12	15
	2003	277	25	28	8	8
	2002	138	26	18	14	10
	2001	138	17	33	9	18
	2000	178	13	18	6	9
	1999	220	23	17	9	7
JSR	2005	104	7	5	6	4
	2004	86	10	13	9	12
	2003	97	9	10	8	9
	2002	99	3	3	3	3
	2001	82	13	20	11	17
	2000	327	37	13	10	3

	1999	155	8	7	5	4
Overall	2005	4298	780	633	14	11
	2004	3402	616	621	13	13
	2003	2899	307	417	8	12
	2002	2314	229	292	8	10
	2001	2112	163	353	6	13
	2000	2060	193	358	7	14
	1999	1635	138	276	7	13

### A.5. Citation statistics

The citation statistics for 1996-2005 are shown below.



The impact factor of JAC increased to 5.2, and there were also increases for Acta Cryst. C and E, and JSR. As expected, Acta Cryst. B decreased to a more normal level (1.9). There were also small decreases for Acta Cryst. A and D. In the case of Acta Cryst. D, the effect of no longer publishing Crystallization Papers will only start to be seen in next year's impact factors.

### Crystallography

Rank	Abbreviated Journal Title	2005 Total Cites	Impact Factor	Immediacy Index	2005 Articles	Cited Half-life
1	<b>J APPL CRYSTALLOGR</b>	14417	5.248	0.45	131	8.9
2	CRYST GROWTH DES	1859	3.551	0.989	284	2.2
3	CRYSTENGCOMM	1351	3.508	0.723	119	2.7
4	J MOL GRAPH MODEL	2776	2.333	0.17	47	9.2
5	POLYHEDRON	9448	1.957	0.265	407	7.3
6	<b>ACTA CRYSTALLOGR B</b>	10085	1.91	0.541	85	>10.0
7	<b>ACTA CRYSTALLOGR A</b>	8912	1.791	0.623	61	>10.0
8	J CRYST GROWTH	19109	1.681	0.335	1102	6.3
9	Z KRISTALLOGR	2872	1.472	0.507	134	>10.0
10	LIQ CRYST	3445	1.432	0.211	147	7.3
11	<b>ACTA CRYSTALLOGR D</b>	8553	1.401	0.469	226	7.1
12	STRUCT CHEM	580	1.333	0.05	80	4.8
13	CRYST ENG	197	1.208		0	4.5
14	J INCL PHENOM MACRO	1476	1.02	0.14	100	6.1
15	CRYST RES TECHNOL	1306	0.833	0.126	183	6.1
16	<b>ACTA CRYSTALLOGR C</b>	6582	0.777	0.529	437	10

17	PHASE TRANSIT	675	0.671	0.188	85	>10.0
18	CHINESE J STRUC CHEM	617	0.669	0.129	264	2.9
19	J CHEM CRYSTALLOGR	647	0.583	0.134	142	5.6
20	<b>ACTA CRYSTALLOGR E</b>	3322	0.581	0.325	2849	1.7
20	CRYSTALLOGR REP+	1675	0.581	0.07	200	>10.0
22	PROG CRYST GROWTH CH	384	0.526			9.9
23	MOL CRYST LIQ CRYST	4758	0.468	0.052	465	>10.0
24	Z KRIST-NEW CRYST ST	587	0.312	0.128	235	4.4

### Instruments and Instrumentation

Rank	Abbreviated Journal Title	Total Cites	Impact factor	Immediacy Index	Articles	Cited Half-life
1	SENSOR ACTUAT B-CHEM	11581	2.646	0.213	738	5.4
2	J MICROMECH MICROENG	2903	2.499	0.299	361	3.9
3	<b>J SYNCHROTRON RADIAT</b>	1893	2.392	0.558	120	4.9
4	APPL SPECTROSC REV	338	2.357	0.462	13	9
5	J CHEMOMETR	1269	1.875	0.079	38	6.8
6	APPL SPECTROSC	5855	1.868	0.303	201	7.6
7	CHEMOMETR INTELL LAB	2532	1.77	0.319	94	7.1
8	SMART MATER STRUCT	2310	1.67	0.167	228	5.2
9	METROLOGIA	1395	1.479	0.382	102	7
10	SENSOR ACTUAT A-PHYS	6066	1.363	0.17	470	5.6
11	MICROFLUID NANOFUID	18	1.286	0.219	32	
12	REV SCI INSTRUM	15216	1.235	0.291	818	7.7
13	LASER PHYS LETT	155	1.225	0.245	102	1.4
14	NUCL INSTRUM METH A	16290	1.224	0.189	1359	5.4
15	SENSORS-BASEL	217	1.208	0.082	49	3.2
16	NUCL INSTRUM METH B	12230	1.181	0.115	1341	6.2
17	IEEE SENS J	471	1.1	0.065	186	2.9
18	SENS LETT	64	1.085	0	45	
19	MEAS SCI TECHNOL	3487	1.079	0.271	329	5.6
20	INFRARED PHYS TECHN	681	1.051	0.067	60	8

## APPENDIX B

### Commission on Journals

#### Annual Reports to the Executive Committee

##### Overview

Comparing 2005 with 2004, the increase in the number of published pages has continued. This increase has been largely driven by the expansion of Acta Cryst. E and the launch of Acta Cryst. F in January 2005, as well as by an expanded number of pages for Journal of Synchrotron Radiation. The citation impact of IUCr Journals continued to be high occupying three of the top six ranking positions in crystallography. The overall withdrawal plus rejection rate for the journals was 25% in 2005, compared with 26% in 2004.

The first issue of Acta Cryst. F: Structural Biology and Crystallization Communications was published in January 2005, the major IUCr Journals event of 2005. The new journal is edited by H. Einspahr and M. Guss, and publishes protein structure, structural genomics and crystallization communications. Acta Cryst. F had a successful first year with over 300 articles and 1100 pages published. Extensive work has been made jointly with the Protein Data Bank by H. Einspahr concerning streamlined deposition-to-publication methodologies for Acta Cryst. F.

The IUCr Congress, held at Firenze in Italy, proved to be one of the largest ever Congresses in terms of numbers of attendees. It also proved an outstanding opportunity for the Commission on Journals and for the promotion of the journals. A joint launch party for Acta Cryst. F and International Tables Online proved to be a very popular event with approximately 500 guests.

Before the Congress the Journals Commission met in Montecatini Terme and held a very intensive programme of discussions and various decisions were taken. Notable amongst these decisions was the policy to allow Co-editors to return manuscripts with language problems to authors before refereeing. This policy is intended to help the streamlining of handling of papers, particularly for Acta Cryst. C and E.

At the IUCr General Assembly J. R. Helliwell delivered his third and final report as Editor-in-Chief. He emphasised the general health and vitality of the journals, made possible by enthusiastic cohorts of editors and referees gladly serving the wider crystallographic community. He noted the apparent challenge from the open publishing drive of research funding agencies (e.g. those in the US and UK) whose view was that publicly funded research should be freely available to the public. He also stressed his view that IUCr's policies and pricing structures were open and transparent, as well as good value, and thus these would compete well in the new 'golden open access' era that these research agencies wished to see established, and which would now pay for such open access fees in research grant awards. Members of the General Assembly, he argued, should be very vigilant on this matter. The General Assembly confirmed the appointment of Gernot Kostorz as the next Editor-in-Chief of the IUCr Journals and Chairman of the IUCr Journals Commission.

**John R. Helliwell**, Editor-in-Chief, August 1996 to August 2005

**Gernot Kostorz**, Editor-in-Chief, August 2005--

##### Acta Crystallographica Section A

Section A published 622 pages in 2005, down from 644 in 2004. In addition, the abstracts of the IUCr Florence meeting comprise 498 pages. 5.2 issues were regular while 80% of the January issue, i.e. 121 pages, was a special issue on Phase Transitions edited by Guest Editor D. Pandey. The number of pages devoted to research papers and short communications also decreased from 619 to 531; without special issues, the decrease is from 459 to 410 pages. The average publication time for regular papers decreased from 6.2 to 5.1 months; the average review time was 3.3 months.

There were 55 full research papers, including 10 in the special issue, giving an average of 9.2 pages per article. This is somewhat more than in the past years (7.8 pages). These numbers include two Topical Reviews, on time-resolved X-ray diffraction by Coppens et al., and on "forbidden" resonant reflections by Dmitriev et al. There were 5 short communications. The portions of 19% of withdrawn and 19% of rejected manuscripts remain high and are slightly increasing. The numbers of submitted and of accepted papers in 2005 show an important decrease: Section A shrinks alarmingly. The report for 2006 will have to mention the thinnest issue ever. There is no backlog in the editorial offices. One of the reasons may be a trend to mathematically difficult papers for which Foundations of Crystallography certainly is the preferred platform, but which are outside the scope of many crystallographers. Topics such as aperiodic crystals, or electron densities, tend to move to Section B.

Section A is a high-level journal with a very diverse range of topics, including geometry, topology, twinning, growth

models; anomalous scattering; perfect, distorted, faulted crystals in diverse environments; theories and methods of structure determination and the phase problem; electron diffraction, convergent-beam method, diffraction theory; phase transitions. Single-particle imaging has all but vanished. The geographical distribution of the origins of the articles (counted as integral or half-integral numbers) remains nearly unchanged with Europe 60%, the Americas 23% and Asia+Australia 17%. The co-editors perform well, but the work is very unequally distributed: 46% of the submissions are handled by two Co-editors, a third Co-editor adds 10%. But even with few papers to handle, some co-editors face a considerable workload since many papers are difficult to handle.

In the pipeline for 2006 are two special issues, the second part of Phase Transitions, and the proceedings of the 2005 MaThCryst Summer School in Nancy (this appeared in March 2006). I have good hopes that at least one commissioned Lead Article will be submitted in 2006, but commissioning of Lead Articles remains difficult. In addition, there is a Special 60th Anniversary Issue planned for January 2008.

**D. Schwarzenbach**, Editor of Section A

### **Acta Crystallographica Section B**

The 2005 statistics for Section B of *Acta* show that the number of articles has been essentially constant for three years (88, 87, 87 for 2003-2005). The number of pages, however, was down again in 2005 (821, 763, 730) because papers were slightly shorter. The average length of a full paper has varied since 2002 between 8.5 and 10 pages; the average for articles published in 2005 was at the low end of that range.

There is no question that competition from *CrystEngComm* (started in 1999 by the Royal Society of Chemistry) and *Cryst. Growth Des.* (started in 2001 by the American Chemical Society) has been important. An analysis over five years shows that most of the decline in Section B pages is in the categories of metal-organic and organic papers, which are the categories most likely to be affected by the two competing journals. The inorganic category of papers remains strong. Section B is attracting a good share of the papers that report determinations of modulated and incommensurate structures, and activity in this area is expanding. The number of papers reporting diffraction from polycrystalline samples is also increasing.

Concern about the decreased number of Section B pages printed in 2005 is mitigated by the very significant increase in pages printed in the first two issues of 2006.

The impact factor continued to rise in 2005. An important factor in the very strong trend (values 2.0, 3.6, 5.4 announced in 2003-2005 for articles published in the previous year) is almost certainly a consequence of the special 2002 issue on databases. Since impact factors are calculated for articles published in the three most recent years the database issue of 2002 will not contribute to impact factors in the future.

The time to publication has been essentially steady since 2002 (5.4, 4.8, 5.8 months in 2003-2005). It seems unlikely that those times can be reduced significantly without putting undue pressure on referees and authors.

The decision was made in 2005 to limit the number of figures printed in color to those for which color was judged to be very important to the information content of the drawing. Figures can always appear in color in the online version of the journal.

The Chester Staff, and especially Jill Bradshaw, continues to do a wonderful job in arranging the components of the papers (text, figures, tables, schemes and footnotes) to produce pages that are attractively balanced and papers that are easy for readers to follow. An additional constraint has been the attempt to reduce printing costs by placing color figures so that the number of pages printed in color is minimized. Mention must also be made of the significant help provided by the Chester office in making the English usage as standard as possible. This assistance is very much appreciated by all.

During 2005 Co-Editors Peter Jones, Luigi Nassimbeni and Max Taylor retired, each having completed three full terms of fine service to the journal. We welcomed to the Board new Co-Editors Carl Henrik Görbitz, Jim Kaduk, Finn Krebs Larsen, Lynne McCusker, Urszula Rychlewska and Mark Spackman.

**Carolyn P. Brock**, Editor of Section B

### **Acta Crystallographica Section C**

Acta Crystallographica Section C continues to specialize in the rapid publication of high-quality studies of novel and challenging crystal and molecular structures. Publication times are now steady with the majority of technically correct and well-written papers appearing on line (<http://journals.iucr.org/c>) within two months of submission. In 2005,

Section C published 437 papers (41 inorganic, 134 metal-organic, 262 organic) in a total of 1412 pages - a 18% decrease in papers over 2004. This decrease almost certainly arises from changes which were made to the 2005 Notes for authors in an attempt to improve the quality of initial submissions. After review some 58% of submissions to Acta Cryst. C in the past year were either subsequently withdrawn by the authors or rejected - an 9 % increase over 2004. As noted in previous years, the principal reasons for this withdrawal/rejection rate were that either the text in the Comment section of the CIF was deemed not to provide the "significant added value to the numerical data freely available in the CIF" as detailed in Notes for Authors, or that the text in the Comment section was very poorly crafted and difficult to understand.

I must also acknowledge and warmly thank John Helliwell who retired from being Editor-in-Chief of the Acta Journals for his support and advice over the last six years, and also Frank R. Fronczek, Bill Stallings and Max Taylor, who have now retired from the Section C Editorial Board, for their services to Section C and to the crystallographic community.

The high standard of Acta C papers is due in no small part to the careful work of Co-editors, referees and the Chester staff; once again I very much appreciate the fine work done by these colleagues.

**G. Ferguson**, Editor of Section C

### **Acta Crystallographica Section D**

The past year has been one of significant change for Acta Crystallographica Section D, following the creation of its all-electronic sister journal, Acta Crystallographica Section F. The first immediate consequence was that Crystallization Papers, which had begun to dominate Acta D, in number if not in pages, would be moved to Acta F. Since these generally receive few citations, it was expected that the impact factor of Acta D would increase, leading to an ability to attract more high-profile structural papers. A second consequence was the need to develop clear roles and identities for these two journals, an issue which is still evolving.

With the removal of Crystallization Papers, which represented a significant part of its previous content (about 40% of pages in 2004), it was unclear to what extent Acta D would diminish in size. In the event, the flow of Research Papers in both structural biology and crystallographic methods has increased by just over 20% (from 165 in 2004 to 200 in 2005). When added to 24 Short Communications, this increase in structural and methodological papers is a good sign for the future. Other contributions to the journal included a topical review on post-crystallization treatments for improving crystal quality by Begona Heras and Jennifer Martin and a historical essay by Cele Abad-Zapatero. We are keen to further diversify the journal through such articles. Sadly, the journal also noted, with an affectionate obituary by N. Yathindra, the death of another pioneering crystallographer, Muttaiya Sundaralingam, who died, with his wife, in the Asian tsunami of December 2004.

Twelve issues of Acta Crystallographica section D were published in 2005, with a total number of pages of 1681, a decrease from the 2004 number. Among these, the June issue was a Special Issue, covering the proceedings of the 10th International Conference on the Crystallization of Biological Molecules, held in Beijing in 2004. Guest Editors for this issue were Dr. J. D. Ng and Dr. M. Bartlam. Protein crystallization methods are enjoying a resurgence of activity, which is reflected in the wide range of articles. In a departure from previous years, a decision was made to delay publication of the Special Issue dedicated to the annual CCP4 study weekend until the first issue of 2006. Papers from these issues are highly cited, and publication in January each year will mean that the impact factor of the journal will benefit from their citation over the whole of that year.

One issue to arise in relation to Special Issues is that of refereeing. The standards of the journal require that articles submitted for Special Issues should be refereed. This can conflict with the expectation of authors who anticipate that their conference presentation will be published, as of right. We hold firmly to the view that all articles must be refereed, and will not be published if they do not meet the standards of peer review.

One clear trend that has emerged during 2006 is for many structural papers to be shorter, less discursive and with less descriptive detail. This is a trend in all journals that publish structural biology papers, in part driven by space and cost considerations, but also by the increasing accessibility of structural information from resources such as the Protein Data Bank. In some cases, papers have been submitted that are effectively structure reports. Some are from structural genomics projects, but others are mutants, ligand complexes or new crystal forms which bring little new information and may be driven by pressures on authors to publish. The slightly increased number of papers that were rejected (10%) or withdrawn (13%) in 2005 reflects this trend.

In this context, an important discussion took place between the Editors and Co-Editors of Acta D and Acta F at the Journals Commission meeting in Montecatini Terme, in August 2005. This related to the differentiation of the two journals, and led to a decision that structural papers published in Acta D should contain "new insights into chemistry, biology or structure". This has been added to the Notes for Authors for 2006. Structural papers that do not meet these criteria are transferred to Acta F for consideration, with the authors' agreement. This is a somewhat subjective

judgement, and may sometimes be uneven in its application, but it should raise the profile of Acta D. What is important for both journals is that we continue to insist on the publication of full experimental details so that results are validated and can be replicated.

All submissions to Acta Cryst. D are now electronic and the on-line system is working extremely well. For that special thanks are due to the staff taking care of Acta Cryst. D at the Chester Office, especially Louise Jones, who also makes a remarkable contribution to the beautiful finished quality of the journal.

**Ted Baker and Zbyszek Dauter**, Editors of Section D

### **Acta Crystallographica Section E**

The year 2005 has seen another sustained period of growth for Acta Cryst. Section E. The proportions (%) of papers published in each category were: inorganic 3, metal-organic 29, organic 68, a total of 2996 papers, in 7439 pages, compared with 4676 pages in 2004. The average length of papers remained the same, at 2.6 pages. The average publication time remained the same at 0.8 month.

During the year 342 papers were rejected and 256 withdrawn. This represents a total rejection and withdrawal rate of 16% of papers received. The distribution of papers by country of principal author saw increases for People's Republic of China and India, and decreases for the USA and Turkey.

The journal's impact factor has risen from 0.453 to 0.491.

For authors, the most important development has been the introduction of a new system for the submission, handling and tracking of papers. This new procedure, which was developed and tested in 2005 and made standard for 2006, is designed to be easier to use at all stages, for authors, for Co-editors, and for the Editorial Office staff. The submission of a new paper now involves uploading all relevant files in a single operation, the online selection of a Co-editor, and the author's declaration regarding copyright and ethical issues. Any CIF generating a level A alert will not pass the submission stage unless an author response to such alerts is included; this response is assessed by the Co-editor as part of the review process. Revisions to submitted papers are also made through the web interface, at the Co-editor's invitation, and the status of the paper can be checked at any time. The introduction of this new system has been a major development task for the Chester staff, and is a very welcome step forward in streamlining our operations.

The Notes for Authors have been extensively revised to take account of the various changes; they are available, together with much other important and useful material, in the Author Services section of the journal web site at <http://journals.iucr.org/e/services/authorservices.html>.

In order to apply some restraint to the journal's growth and in response to a decision of the IUCr Executive Committee to limit the number of published pages, there is now a limit of 400 words on the Comment section; papers longer than this, which must be justified in the submission process as a response to a level A alert, will be accepted only at the discretion of the Co-editors and Section Editors, and such exceptions are intended to be rare.

The task of reviewing and editing papers is undertaken by our team of expert Co-editors, whose time is valuable and must not be wasted on dealing with poorly prepared submissions. Papers which are difficult to understand, which fall well short of the requirements of the Notes for Authors, or which require extensive text correction and editing will be returned to the author for revision without a detailed review; it is the responsibility of authors, not of Co-editors, to generate an acceptable text for the Abstract, Comment and Experimental sections and to ensure that other CIF items are correct and complete. Co-editors and the Section Editors make moderate changes where required so that papers conform to the journal's standards and style. Authors can save the Co-editors considerable effort and time by checking their own papers before submission for errors, unacceptable and undesirable features; a list of common problems, which corresponds to guidelines provided to the Co-editors, is given in the Author checklist at <http://journals.iucr.org/e/services/authorchecklist.html>.

To cope with the increasing number of papers submitted to the Journal we appointed a number of new co-editors (in two batches) during 2005: Professor Mehmet Akkurt (Erciyes University, Turkey), Professor Len Barbour (University of Stellenbosch, South Africa), Professor Sylvain Bernes (Universidad Autonoma de Puebla, Mexico), Dr Andrew Bond (University of Southern Denmark, Odense, Denmark), Professor Ivan Brito (Universidad de Antofagasto, Chile), Dr Matyas Czugler (Hungarian Academy of Sciences, Budapest, Hungary), Dr Catharine Esterhuysen (University of Stellenbosch, South Africa), Dr Jan Fabry (Academy of Sciences of the Czech Republic, Prague, Czech Republic), Dr Andreas Fischer (Royal Institute of Technology, Stockholm, Sweden), Professor Maria Gdaniec (A. Mickiewicz University, Poznan, Poland), Professor Tuncer Hokelek (Hacettepe University, Turkey), Professor Ning-Hai Hu (Chinese Academy of Sciences, Changchun, People's Republic of China), Dr Huub Kooijman (Utrecht University, The Netherlands), Professor Ramaswamy Rajaram (Madurai Kamaraj University, Madurai, India), Dr Manuela da Silva (Universidade de Coimbra, Portugal), Professor Alex Slawin (University of St. Andrew's, Scotland), Professor Duan-Jun

Xu (Zhejiang University, People's Republic of China), Professor Bohari Yamin (Universiti Kebangsaan Malaysia, Malaysia). This brings the total number of co-editors to 48, or 50 including the two section editors.

Finally we again thank the editorial staff in the Chester office for all their help and dedication. In particular, we are indebted to Gillian Holmes and Sean Conway who look after Section E on a daily basis.

**W. Clegg and D. G. Watson**, Editors of Section E

### **Acta Crystallographica Section F**

*Acta Crystallographica Section F: Structural Biology and Crystallization Communications* was launched by the International Union of Crystallography with the January issue in 2005. This purely electronic journal for biological crystallography is now more than a year old, and its first year has been a good one, the 12 issues published included over 300 articles and 1100 pages.

One of the primary reasons for launching the journal was to allow authors in fields such as structural genomics and macromolecular crystallization to benefit from the fast turnaround of electronic-only publication and, in its first year, the journal has worked very hard to ensure rapid publication. The result: average publication time from submission to publication including peer review was just 2.2 months. The journal has also been working during the year on a streamlined route from database deposition to publication. Volunteers are now testing a version of the RCSB program PDB\_EXTRACT that has been adapted to harvest data identified as required or recommended for publication by consensus of the editorial boards of *Acta Cryst. F & D*.

In January we were gratified to learn that *Acta Cryst. F* had been approved for inclusion in Medline. In February, the entire first volume was sent to the National Library of Medicine so that *Acta Cryst. F* will be accessible *via* PubMed from the first issue on and we have begun to hear from interested authors what we have learned ourselves, namely that attempts at PubMed access to *Acta Cryst. F* now meet with success.

In addition to indexing by Medline, the journal has been accredited by the Institute for Scientific Information, leading to inclusion of articles in the Science Citation Index. The journal is also covered by other major databases such as Chemical Abstracts, and, as part of Crystallography Journals Online, benefits from indexing by search engines such as Google and Scirus.

We are proud of the success of *Acta Crystallographica Section F* in its first year of publication. It is due in no small measure to the dedication and hard work of the editorial staff in Chester and of our excellent team of Co-editors, to whom we are very grateful. To cope with the high flow of articles and the retirements of two of our founding co-editors, Alice Vrielink and Adriana Zagari, we have had to expand the Editorial Board. We now welcome Terese Bergfors (Uppsala University), JuanMa García-Ruiz (University of Granada) and Bart Hazes (University of Alberta) as new members.

**Howard Einspahr and Mitchell Guss**, Editors of Section F

### **Journal of Applied Crystallography**

*JAC* published 1,045 pages in 2005 (1,049 in 2004). The number of full articles was 111 in 2005 (110 in 2004). Shorter items like Short Communications, Laboratory Notes, Letters to the Editor *etc.* remained at the same level (about 25) during the last three years. The number of manuscripts submitted was 196, compared with 226 in 2004 and 216 in 2003. The impact factor was 3.53 in 2005 (2.21 in 2004).

Efforts are continuing to make *JAC* an even more attractive medium for crystallography-based work in all fields, e.g. by appropriate pamphlets distributed at relevant conferences, or the choice of new Co-editors in promising fields. In 2005, S. Ciccariello, W. I. F. David, P. F. Fewster and K. A. Kantardjieff were appointed as Co-editors with this idea in mind, but also to maintain certain areas of competence as S. S. Hasnain, A. M. Moore, A. Oskarsson, D. Pandey and H. Zimmermann finished their 9-year terms.

On-line submission is now almost exclusively used and works well. The publication time fell slightly to 6.4 months (4.3 months for editors/reviewers and 2.1 months for production). It has again been a pleasure to interact with the Chester staff who handled all matters arising with great competence and kindness.

**G. Kostorz**, Editor of *JAC*

### **Journal of Synchrotron Radiation**

For the 2005 calendar year, JSR published 121 articles and a total of 838 pages in the six issues. This was a sizable increase in the number of articles (> 40%) and the number of pages (> 60%) as compared with 2004. This is due in large part to six Special Issues that were published in 2005; BioXAS and Metallogenomics (Isabella Ascone, Guest Editor, January 2005), Applications of Synchrotron Radiation to Materials Research (Gopal Shenoy and P. James Viccaro, Guest Editors, March 2005), Radiation Damage in Macromolecules (Elspeth Garman and Colin Nave, Guest Editors, May 2005), Softer X-rays in Structural Studies (R. J. Cernik, J. R. Helliwell and M. Helliwell, Guest Editors, July 2005), Structure Determination by Single-Crystal X-ray Diffraction at Megabar Pressures (P. Dera, C. T. Prewitt and S. D. Jacobsen, Guest Editors, September 2005) and Synchrotron Radiation and Nanobioscience (Eugenia Pechkova and Claudio Nicolini, Guest Editors, November 2005). We believe that the publication of selected papers from workshops is an important service to the synchrotron radiation community and we plan to continue this in the future. The Facility Information pages where one page per issue is devoted to each of the three third-generation hard X-ray sources (APS, ESRF and Spring-8) was continued in 2005. These pages provide an opportunity for these facilities to communicate important news and updates to the international community of synchrotron radiation users.

In 2005, the terms expired for several Co-editors including John Helliwell, Janos Kirz and James Penner-Hahn. We would like to take this opportunity to express our thanks for their contributions to the Journal of Synchrotron Radiation and to welcome two new Co-editors, Sean McSweeney and Soichi Wakatsuki.

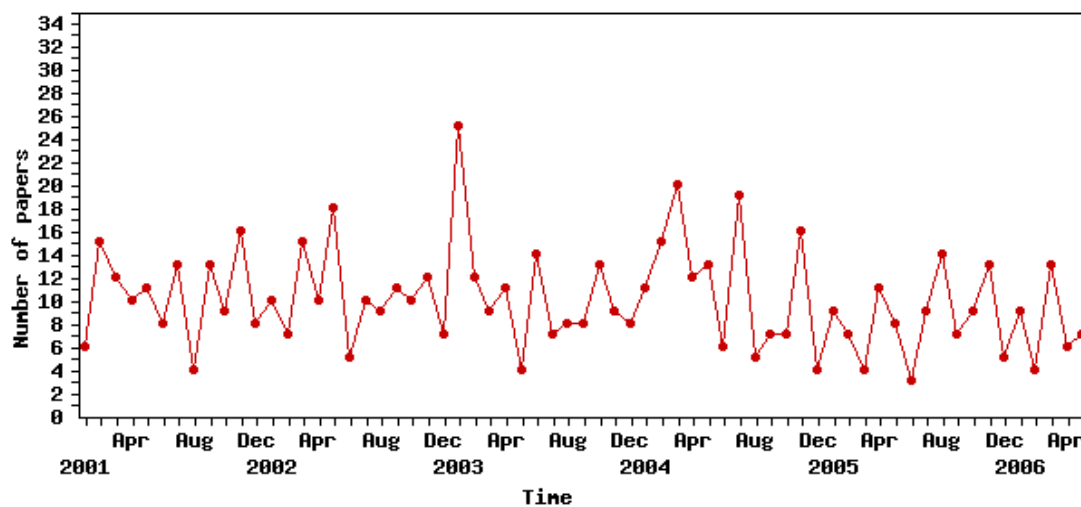
**Å. Kvick, D. M. Mills, and T. Ohta**, Editors of JSR

## APPENDIX C

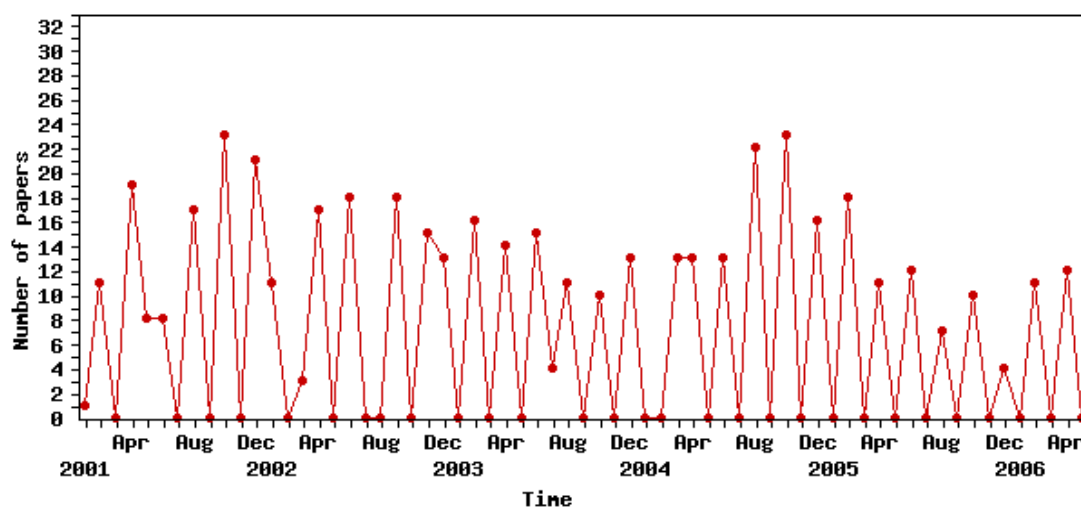
### Information on individual journals

#### Background information on Section A

##### Papers submitted (2001-2006)



##### Papers published (2001-2006)



##### Numbers at a glance Acta Crystallographica Section A

Consortia deals	2595
Institutional subscribers	618
Individual subscribers	67
Impact Factor (2005)	1.791
Ranking (2005)	7/24

## Acta Crystallographica Section A - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Acta Crystallographica Section A*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	9186	35	114	142	103	110	132	128	87	142
0.491	ACTA CRYSTALLOGR E	661	0	0	1	0	0	0	0	0	1
1.829	ACTA CRYSTALLOGR A	393	20	40	29	24	32	21	15	24	9
1.693	ACTA CRYSTALLOGR D	378	0	10	1	6	2	2	2	4	4
0.728	ACTA CRYSTALLOGR C	315	0	0	0	0	0	3	2	0	0
6.355	J BIOL CHEM	300	0	0	1	0	0	0	0	0	3
5.542	J MOL BIOL	300	0	0	0	0	0	0	0	1	3
3.075	PHYS REV B	210	1	2	5	6	3	2	4	2	8
	ALL OTHERS (209)	209	1	2	5	3	1	2	3	0	8
3.454	INORG CHEM	205	0	1	0	0	1	1	1	6	1
4.008	BIOCHEMISTRY-US	195	1	0	0	0	0	0	1	0	4
2.926	DALTON T	173	0	3	0	1	1	0	0	3	1
1.815	J SOLID STATE CHEM	158	0	1	0	0	0	0	1	0	5
3.196	ORGANOMETALLICS	152	0	0	0	0	0	0	0	0	1
6.903	J AM CHEM SOC	142	1	1	3	0	4	1	2	2	4
1.554	INORG CHIM ACTA	139	0	0	0	0	0	0	0	0	0
2.336	EUR J INORG CHEM	137	0	0	0	0	0	2	0	3	0
1.39	Z KRISTALLOGR	132	1	1	6	2	6	2	4	1	3
5.185	STRUCTURE	119	0	0	1	0	0	0	1	1	0
3.534	J APPL CRYSTALLOGR	115	4	6	13	5	1	3	3	4	8
10.452	P NATL ACAD SCI USA	115	0	0	0	0	1	0	1	0	0

## Acta Crystallographica Section A - citation report by issue

Special issues are shaded.

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	11	3.0	1	0	11	1.4	1	0	15	1.7
2	0	14	2.8	2	0	13	1.6	2	0	11	2.0
3	0	14	2.6	3	0	13	1.0	3	0	11	1.5
4	0	11	3.0	4	0	11	1.0	4	0	12	0.5
5	0	8	2.5	5	0	21	0.2	5	0	6	0.3
6	0	8	2.2	6	0	18	0.2	6	0	8	0.5
				a1	0	0	0	a1	0	0	0

## Acta Crystallographica Section A - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
research papers	58	58	0	3.0	76	76	0	0.8	45	45	0	0.9
short communications	6	6	0	0.8	6	6	0	0.7	5	5	0	0.2
letters to the editor	0	0	0	0.0	1	1	0	0.0	0	0	0	0.0
addenda and errata	2	2	0	0.0	1	1	0	0.0	0	0	0	0.0
book reviews	5	0	5	0.0	2	0	2	0.0	4	0	4	0.0
books received	3	0	3	0.0	4	0	4	0.0	1	0	1	0.0
issue preface	0	0	0	0.0	1	0	1	0.0	0	0	0	0.0
international union of crystallography	5	0	5	0.0	3	0	3	0.0	5	0	5	0.0
obituaries	0	0	0	0.0	0	0	0	0.0	2	1	1	0.0
abstract	0	0	0	0.0	612	0	612	0.0	2055	0	2055	0.0

## Highly cited papers

Acta Crystallographica Section A - 2001							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
5	0	576	research papers	18	1	<b>Takakura, H.</b> , Yamamoto, A., Tsai, A.P.	The structure of a decagonal Al <sub>72</sub> Ni <sub>20</sub> Co <sub>8</sub> quasicrystal
6	0	663	research papers	12	2	<b>Kirfel, A.</b> , Krane, H.-G., Blaha, P., Schwarz, K., Lippmann, T.	Electron-density distribution in stishovite, SiO <sub>2</sub> : a new high-energy synchrotron-radiation study
3	0	272	research papers	10	7	Volkov, A., Abramov, Y.A., <b>Coppens, P.</b>	Density-optimized radial exponents for X-ray charge-density refinement from ab initio crystal calculations
1	0	40	research papers	10	11	<b>Giacovazzo, C.</b> , Siliqi, D.	The method of joint probability distribution functions applied to the one-wavelength anomalous-scattering (OAS) case
2	0	176	research papers	9	6	<b>Sowa, H.</b>	On the transition from the wurtzite to the NaCl type

Acta Crystallographica Section A - 2002							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	133	research papers	21	6	Kim, C.D., Pillet, S., Wu, G., Fullagar, W.K., <b>Coppens, P.</b>	Excited-state structure by time-resolved X-ray diffraction
2	0	190	research papers	10	6	<b>Scardi, P.</b> , Leoni, M.	Whole powder pattern modelling
2	0	180	research papers	5	3	Cervellino, A., <b>Steurer, W.</b>	General periodic average structures of decagonal quasicrystals
1	0	33	research papers	5	5	Chao, C.-H., Hung, C.-Y., Huang, Y.-S., Ching, C.-H., Lee, Y.-R., Jean, Y.-C., Lai, S.-C., Stetsko, Y.P., Yuan, H., <b>Chang, S.-L.</b>	Multiple diffraction data analysis for macromolecular crystals in stereoscopic multibeam imaging
4	0	346	research papers	5	1	<b>Wooten, F.</b>	Structure, odd lines and topological entropy of disorder of amorphous silicon

Acta Crystallographica Section A - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	143	research papers	20	6	He, H., Marchesini, S., Howells, M., Weierstall, U., Hembree, G., <b>Spence, J.C.H.</b>	Experimental lensless soft-X-ray imaging using iterative algorithms: phasing diffuse scattering
1	0	22	research papers	18	4	Delgado Friedrichs, O., <b>O'Keeffe, M.</b> , Yaghi, O.M.	Three-periodic nets and tilings: regular and quasiregular nets
4	0	327	research papers	10	10	Olczak, A., Cianci, M., Hao, Q., Rizkallah, P.J., Raftery, J., <b>Helliwell, J.R.</b>	S-SWAT (softer single-wavelength anomalous technique): potential in high-throughput protein crystallography
5	0	437	research papers	9	3	<b>Lippmann, T.</b> , Blaha, P., Andersen, N.H., Poulsen, H.F., Wolf, T., Schneider, J.R., Schwarz, K.-H.	Charge-density analysis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.98</sub> . Comparison of theoretical and experimental results
5	0	459	research papers	9	2	<b>Smaalen, S. van</b> , Palatinus, L., Schneider, M.	The maximum-entropy method in superspace

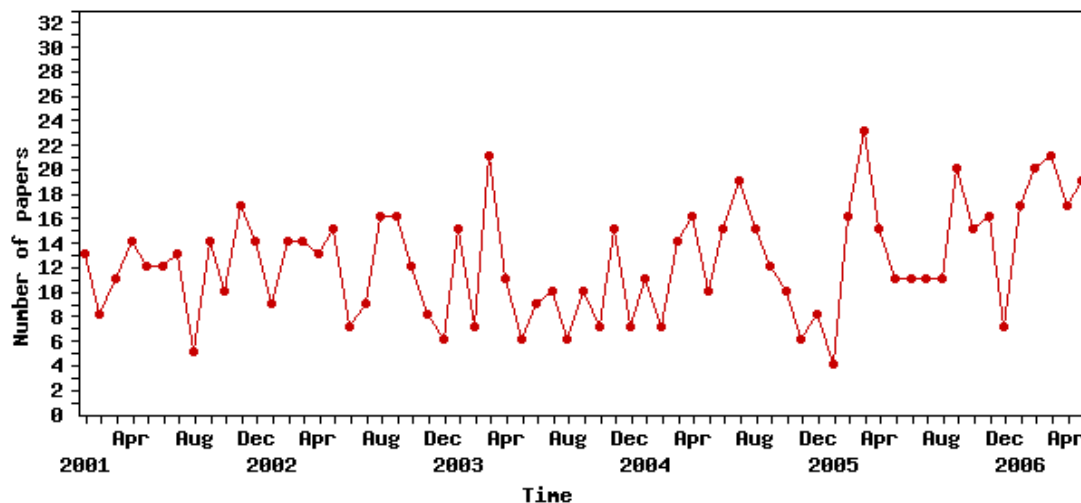
Acta Crystallographica Section A - 2004							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	134	research papers	7	6	<b>Oszlanyi, G.</b> , Suto, A.	Ab initio structure solution by charge flipping
2	0	198	short communications	4	5	<b>Janner, A.</b>	Integral lattices
3	0	204	research papers	4	1	Pichon-Pesme, V., Jelsch, C., Guillot, B., <b>Lecomte, C.</b>	A comparison between experimental and theoretical aspherical-atom scattering factors for charge-density refinement of large molecules
4	0	326	research papers	4	3	<b>Wu, J.S.</b> , Spence, J.C.H., O'Keeffe, M., Groy, T.L.	Application of a modified Oszlanyi and Suto ab initio charge-flipping algorithm to experimental data
1	0	40	research papers	3	2	<b>Mana, G.</b> , Montanari, F.	A Fourier optics approach to the dynamical theory of X-ray diffraction - perfect crystals
2	0	158	research papers	3	4	<b>Sowa, H.</b> , Koch, E.	Hexagonal and trigonal sphere packings. II. Bivariant lattice complexes
3	0	239	research papers	3	4	<b>Koch, E.</b> , Sowa, H.	Exceptional properties of some sphere packings in the general position of P6222
3	0	246	research papers	3	4	<b>Fischer, W.</b>	Minimal densities of cubic sphere-packing types
1	0	89	research papers	3	0	<b>Nespolo, M.</b> , Ferraris, G.	Applied geminography - symmetry analysis of twinned crystals and definition of twinning by reticular polyholohedry
2	0	167	research papers	3	1	<b>Lifshitz, R.</b> , Even-Dar Mandel, S.	Magnetically ordered quasicrystals: enumeration of spin groups and calculation of magnetic selection rules

Acta Crystallographica Section A - 2005							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	162	topical reviews	11	2	<b>Coppens, P.</b> , Vorontsov, I.I., Graber, T., Gembicky, M., Kovalevsky, A.Y.	The structure of short-lived excited states of molecular complexes by time-resolved X-ray diffraction
3	0	331	research papers	7	2	<b>Sowa, H.</b> , Koch, E.	Hexagonal and trigonal sphere packings. III. Trivariant lattice complexes of hexagonal space groups
1	0	93	topical reviews	7	1	<b>Howard, C.J.</b> , Stokes, H.T.	Structures and phase transitions in perovskites - a group-theoretical approach This article is dedicated to Helen D. Megaw (1907-2002), in appreciation of her many contributions to the crystallography of inorganic and mineral compounds, including her seminal studies of perovskites. Some of the material was presented by CJH in the Megaw memorial session at the 21st European Crystallography Meeting, Durban, South Africa, August 2003.
3	0	314	research papers	4	0	<b>Dittrich, B.</b> , Hubschle, C.B., Messerschmidt, M., Kalinowski, R., Girnt, D., Luger, P.	The invariom model and its application: refinement of d,l-serine at different temperatures and resolution
2	0	237	research papers	4	0	<b>Spence, J.C.H.</b> , Schmidt, K., Wu, J.S., Hembree, G., Weierstall, U., Doak, B., Fromme, P.	Diffraction and imaging from a beam of laser-aligned proteins: resolution limits
1	0	112	topical reviews	4	1	<b>Clegg, P.S.</b>	X-ray studies of the phases and phase transitions of liquid crystals
1	0	62	topical reviews	3	1	<b>Moret, R.</b>	Structures, phase transitions and orientational properties of the C60 monomer and polymers

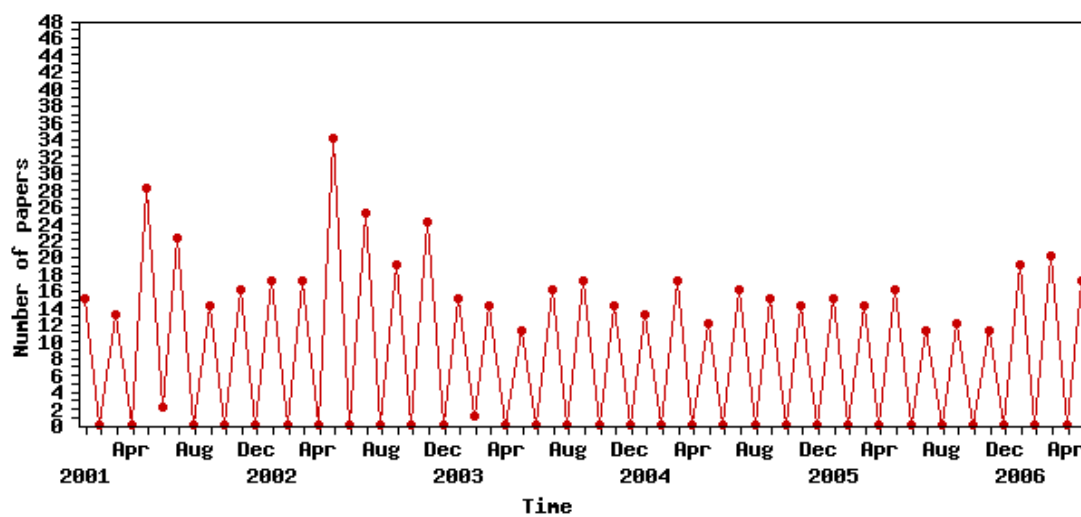
4	0	426	research papers	2	1	<b>Koch, E.</b> , Sowa, H., Fischer, W.	On the density of homogeneous sphere packings
4	0	435	research papers	2	1	<b>Fischer, W.</b>	Tetragonal sphere packings: minimal densities and subunits
6	0	575	research papers	2	0	<b>Brown, I.D.</b> , Abrahams, S.C., Berndt, M., Faber, J., Karen, V.L., Motherwell, W.D.S., Villars, P., Westbrook, J.D., <b>McMahon</b> , B.	Report of the Working Group on Crystal Phase Identifiers

## Background information on Section B

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Acta Crystallographica Section B

Consortia deals	2541
Institutional subscribers	601
Individual subscribers	55
Impact factor (2005)	1.910
Ranking	6/24

## Acta Crystallographica Section B - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Acta Crystallographica Section B*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	9852	38	116	973	225	220	189	192	230	121
0.491	ACTA CRYSTALLOGR E	536	5	1	207	8	17	15	3	5	5
0.728	ACTA CRYSTALLOGR C	447	1	6	152	15	14	9	15	10	1
1.815	J SOLID STATE CHEM	425	3	8	3	9	1	7	11	15	9
5.418	ACTA CRYSTALLOGR B	385	12	23	64	27	26	16	14	16	4
3.454	INORG CHEM	285	0	0	21	5	1	1	1	2	3
6.903	J AM CHEM SOC	223	1	2	22	6	5	2	3	9	5
3.075	PHYS REV B	212	0	2	3	5	2	5	5	10	2
3.834	J PHYS CHEM B	189	0	0	9	4	5	4	2	3	0
	ALL OTHERS (178)	178	1	6	7	3	1	6	2	1	1
1.2	J MOL STRUCT	166	0	0	6	4	5	2	2	5	0
1.086	Z ANORG ALLG CHEM	165	0	1	8	4	2	1	2	3	3
1.39	Z KRISTALLOGR	146	0	2	11	4	5	5	6	3	0
2.639	J PHYS CHEM A	143	1	1	9	5	6	2	3	1	2
2.856	CRYST GROWTH DES	140	0	4	21	7	7	4	3	5	2
1.554	INORG CHIM ACTA	133	0	0	12	2	5	0	1	1	0
4.103	CHEM MATER	132	0	2	4	4	2	4	4	5	1
1.562	J ALLOY COMPD	128	0	0	1	2	2	1	2	0	1
2.926	DALTON T	127	1	0	20	5	0	4	1	4	1
4.517	CHEM-EUR J	115	0	2	13	3	5	1	2	5	2
2.596	CRYSTENGGCOMM	115	0	3	21	5	9	5	2	6	1

## Acta Crystallographica Section B - citation report by issue

Special issues are shaded.

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	16	3.9	1	0	12	1.6	1	0	14	2.4
2	0	13	2.7	2	0	17	2.0	2	0	14	1.0
3	0	11	2.1	3	0	12	1.3	3	0	16	0.6
4	0	14	3.3	4	0	16	0.5	4	0	13	1.3
5	0	17	1.8	5	0	15	0.5	5	0	15	1.0
6	0	14	1.9	6	0	14	0.4	6	0	14	0.6

## Acta Crystallographica Section B - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
research papers	78	78	0	2.7	81	81	0	1.0	84	84	0	1.1
short communications	4	4	0	1.8	2	2	0	5.0	1	1	0	0.0
letters to the editor	0	0	0	0.0	0	0	0	0.0	1	1	0	1.0
addenda and errata	3	3	0	1.0	2	2	0	0.5	0	0	0	0.0
book reviews	1	0	1	0.0	0	0	0	0.0	0	0	0	0.0
books received	1	0	1	0.0	0	0	0	0.0	0	0	0	0.0
international union of crystallography	1	0	1	0.0	1	0	1	0.0	1	0	1	0.0

## Highly cited papers

Acta Crystallographica Section B - 2001							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	1	topical reviews	18	2	Rao, C.N.R., Natarajan, S., Choudhury, A., Neeraj, S., Vaidhyanathan, R.	Synthons and design in metal phosphates and oxalates with open architectures
3	0	435	research papers	17	5	Wilson, C.C.	Migration of the proton in the strong O-H...O hydrogen bond in urea-phosphoric acid (1/1)
6	0	725	research papers	17	5	Lufaso, M.W., Woodward, P.M.	Prediction of the crystal structures of perovskites using the software program SPuDS
1	0	103	short communications	15	3	Steiner, T.	Competition of hydrogen-bond acceptors for the strong carboxyl donor
3	0	317	research papers	12	13	Low, J.N., Moreno Sanchez, J.M., Arranz Mascaros, P., Godino Salido, M.L., Lopez Garzon, R., Cobo Domingo, J., Glidewell, C.	Hydrated metal complexes of N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinate: interplay of molecular, molecular-electronic and supramolecular structures

Acta Crystallographica Section B - 2002							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
3	1	380	research papers	496	800	Allen, F.H.	The Cambridge Structural Database: a quarter of a million crystal structures and rising
3	1	389	research papers	73	130	Bruno, I.J., Cole, J.C., Edgington, P.R., Kessler, M., Macrae, C.F., McCabe, P., Pearson, J., Taylor, R.	New software for searching the Cambridge Structural Database and visualizing crystal structures
4	0	647	research papers	31	15	Motherwell, W.D.S., Ammon, H.L., Dunitz, J.D., Dzyabchenko, A., Erk, P., Gavezzotti, A., Hofmann, D.W.M., Leusen, F.J.J., Lommerse, J.P.M., Mooij, W.T.M., Price, S.L., Scheraga, H., Schweizer, B., Schmidt, M.U., Eijck, B.P. van, Verwer, P., Williams, D.E.	Crystal structure prediction of small organic molecules: a second blind test
3	1	407	research papers	24	12	Allen, F.H., Motherwell, W.D.S.	Applications of the Cambridge Structural Database in organic chemistry and crystal chemistry
2	0	198	research papers	17	1	Ilyushin, G.D., Blatov, V.A.	Crystal chemistry of zirconosilicates and their analogs: topological classification of MT frameworks and suprapolyhedral invariants

Acta Crystallographica Section B - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
4	0	463	research papers	22	3	Howard, C.J., Kennedy, B.J., Woodward, P.M.	Ordered double perovskites - a group-theoretical analysis
1	0	1	research papers	13	3	White, T.J., Dong, Z.L.	Structural derivation and crystal chemistry of apatites
5	0	634	research papers	11	7	Pidcock, E., Motherwell, W.D.S., Cole, J.C.	A database survey of molecular and crystallographic symmetry
4	0	512	research papers	8	0	Ouvrard, C., Le Questel, J.-Y., Berthelot, M., Laurence, C.	Halogen-bond geometry: a crystallographic database investigation of dihalogen complexes

1	0	100	research papers	8	4	Bowes, K.F., Ferguson, G., Lough, A.J., <b>Glidewell, C.</b>	Salts of maleic and fumaric acids with organic polyamines: comparison of isomeric acids as building blocks in supramolecular chemistry
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#### Acta Crystallographica Section B - 2004

Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	174	research papers	8	5	<b>Trzesowska, A.</b> , Kruszynski, R., Bartczak, T.J.	New bond-valence parameters for lanthanides
1	0	41	research papers	6	0	Money, V.A., Radosavljevic Evans, I., Elhaik, J., Halcrow, M.A., <b>Howard, J.A.K.</b>	An X-ray powder diffraction study of the spin-crossover transition and structure of bis(2,6-dipyrazol-1-ylpyrazine)iron(II) perchlorate
2	0	249	short communications	5	4	<b>Howard, C.J.</b> , Zhang, Z.	Structure for perovskites with layered ordering of A-site cations
2	0	252	short communications	5	2	<b>Marsh, R.E.</b>	Space group Cc: an update
2	0	184	research papers	4	1	Scheins, S., Dittrich, B., Messerschmidt, M., Paulmann, C., <b>Luger, P.</b>	Atomic volumes and charges in a system with a strong hydrogen bond: l-tryptophan formic acid
3	0	263	research papers	4	0	Zhao, J., Ross, N.L., <b>Angel, R.J.</b>	New view of the high-pressure behaviour of <a href="#">GdFeO<sub>3</sub></a> -type perovskites
3	0	315	research papers	3	3	<b>Fernandes, M.A.</b> , <b>Levendis, D.C.</b>	Photodimerization of the [alpha]-polymorph of ortho-ethoxy-trans-cinnamic acid in the solid state. I. Monitoring the reaction at 293 K
2	0	163	research papers	3	0	Yogev-Einot, D., <b>Avnir, D.</b>	Pressure and temperature effects on the degree of symmetry and chirality of the molecular building blocks of low quartz
3	0	272	research papers	3	0	<b>Cerny, R.</b> , Renaudin, G., Favre-Nicolin, V., Hlukhy, V., Pottgen, R.	Mg <sub>1</sub> + xIr <sub>1-x</sub> (x = 0, 0.037 and 0.054), a binary intermetallic compound with a new orthorhombic structure type determined from powder and single-crystal X-ray diffraction
1	0	108	research papers	3	1	<b>Schonleber, A.</b> , Chapuis, G.	Quininium (R)-mandelate, a structure with large Z' described as an incommensurately modulated structure in (3+1)-dimensional superspace
4	0	472	research papers	3	5	<b>Glidewell, C.</b> , Low, J.N., Skakle, J.M.S., Wardell, S.M.S.V., Wardell, J.L.	Isomeric iodo-N-(nitrobenzyl)anilines: interplay of hard and soft hydrogen bonds, iodo...nitro interactions and aromatic [pi]...[pi] stacking interactions
1	0	10	research papers	3	1	Lufaso, M.W., <b>Woodward, P.M.</b>	Jahn-Teller distortions, cation ordering and octahedral tilting in perovskites

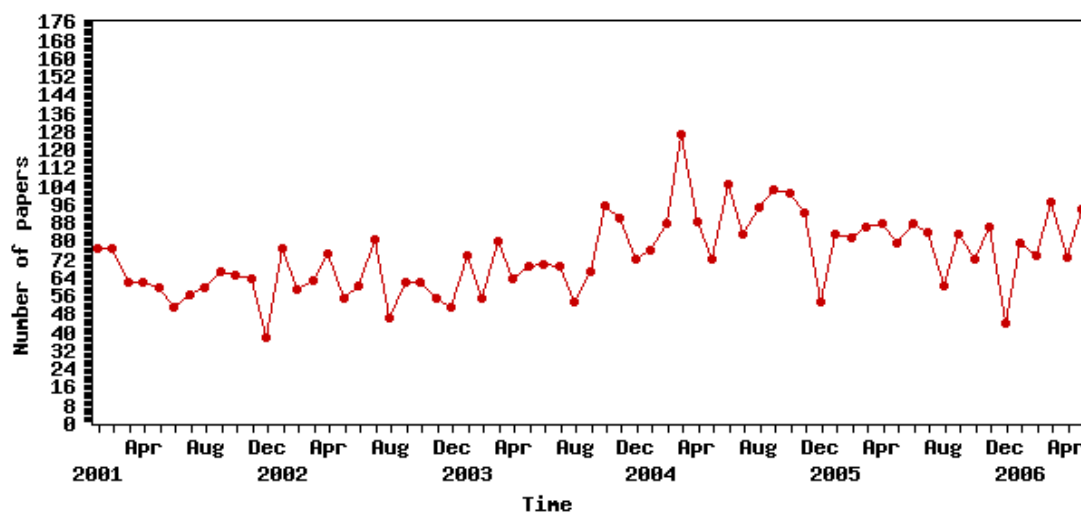
#### Acta Crystallographica Section B - 2005

Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	58	research papers	10	2	Moggach, S.A., Allan, D.R., Morrison, C.A., <b>Parsons, S.</b> , Sawyer, L.	Effect of pressure on the crystal structure of l-serine-I and the crystal structure of l-serine-II at 5.4 GPa
5	0	511	research papers	8	2	<b>Day, G.M.</b> , Motherwell, W.D.S., Ammon, H.L., Boerrigter, S.X.M., Della Valle, R.G., Venuti, E., Dzyabchenko, A., Dunitz, J.D., Schweizer, B., van Eijck, B.P., Erk, P., Facelli, J.C., Bazterra, V.E., Ferraro, M.B., Hofmann, D.W.M., Leusen, F.J.J., Liang, C., Pantelides, C.C., Karamertzanis, P.G., Price, S.L., Lewis, T.C., Nowell, H., Torrisi, A., Scheraga, H.A., Arnautova, Y.A., Schmidt, M.U., Verwer, P.	A third blind test of crystal structure prediction
1	0	69	research papers	7	4	Oswald, I.D.H., Allan, D.R., Motherwell, W.D.S., <b>Parsons, S.</b>	Structures of the monofluoro- and monochlorophenols at low temperature and high pressure
4	0	464	research papers	4	2	Nichol, G.S., <b>Clegg, W.</b>	A variable-temperature study of a phase transition in barbituric acid dihydrate

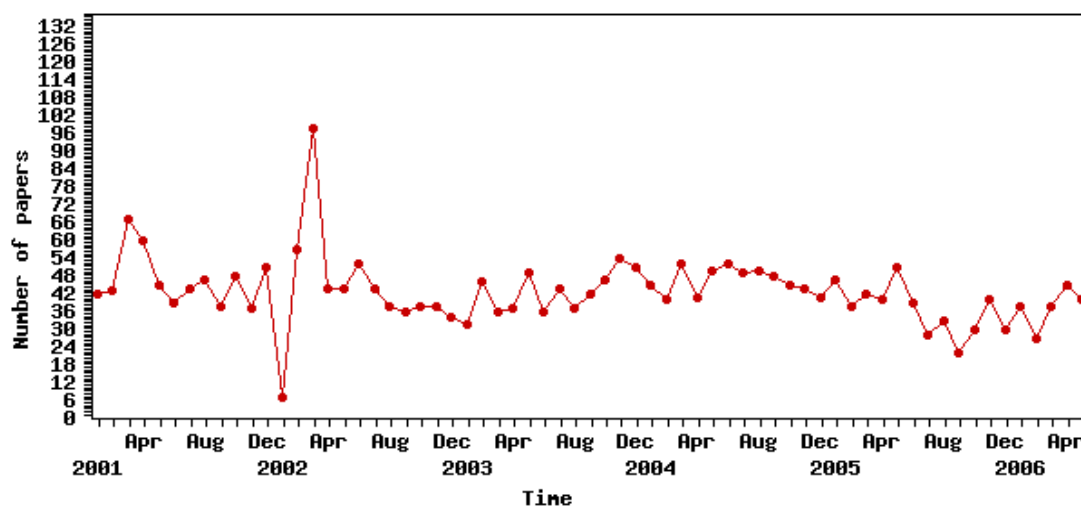
1	0	25	research papers	4	0	Marchivie, M., <b>Guionneau, P.</b> , Letard, J.-F., Chasseau, D.	Photo-induced spin-transition: the role of the iron(II) environment distortion
1	0	29	research papers	4	3	Willighagen, E.L., Wehrens, R., Verwer, P., de Gelder, R., <b>Buydens, L.M.C.</b>	Method for the computational comparison of crystal structures
4	0	387	research papers	4	1	<b>Woodward, D.I.</b> , Reaney, I.M.	Electron diffraction of tilted perovskites
4	0	449	research papers	3	2	McGregor, P.A., <b>Allan, D.R.</b> , Parsons, S., Pulham, C.R.	The low-temperature and high-pressure crystal structures of cyclobutanol (C4H7OH)
2	0	164	research papers	3	0	<b>Peresypkina, E.V.</b> , Bushuev, M.B., Virovets, A.V., Krivopalov, V.P., Lavrenova, L.G., Larionov, S.V.	Three differently coloured concomitant polymorphs: synthesis, structure and packing analysis of (4-(3',5'-dimethyl-1H-pyrazol-1'-yl)-6-methyl-2-phenylpyrimidine)dichlorocopper(II)
6	0	635	research papers	2	0	<b>Mercier, P.H.J.</b> , Le Page, Y., Whitfield, P.S., Mitchell, L.D., Davidson, I.J., White, T.J.	Geometrical parameterization of the crystal chemistry of P63/m apatites: comparison with experimental data and ab initio results

## Background information on Section C

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Acta Crystallographica Section C

Consortia deals	2545
Institutional subscribers	579
Individual subscribers	39
Impact factor (2005)	0.777
Ranking (2005)	16/24

### Acta Crystallographica Section C - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Acta Crystallographica Section C*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	6751	158	325	410	332	461	504	364	321	384
0.491	ACTA CRYSTALLOGR E	1015	68	72	59	54	76	125	54	56	73
0.728	ACTA CRYSTALLOGR C	694	64	105	88	56	48	43	39	29	34
3.454	INORG CHEM	255	1	5	12	8	16	23	11	8	15
1.554	INORG CHIM ACTA	229	1	4	16	6	20	17	18	10	13
2.926	DALTON T	204	0	12	6	5	13	13	5	9	13
1.586	POLYHEDRON	167	1	7	10	5	14	12	15	10	9
1.086	Z ANORG ALLG CHEM	159	1	2	11	4	6	8	4	9	7
1.2	J MOL STRUCT	143	4	6	11	12	9	14	9	9	13
2.336	EUR J INORG CHEM	142	1	7	16	5	9	7	9	2	5
0.512	J CHEM CRYSTALLOGR	121	0	3	4	5	8	11	6	5	10
1.815	J SOLID STATE CHEM	113	0	2	6	6	2	7	5	4	4
6.903	J AM CHEM SOC	109	0	0	1	6	11	3	6	9	4
	ALL OTHERS (109)	109	0	2	6	13	5	2	7	2	7
5.418	ACTA CRYSTALLOGR B	102	3	5	12	12	7	6	3	3	4
0.647	Z NATURFORSCH B	87	1	4	8	6	8	5	5	4	2
0.847	J COORD CHEM	84	1	3	2	1	7	14	4	5	7
0.33	Z KRIST-NEW CRYST ST	79	4	3	6	1	33	2	3	4	5
1.905	J ORGANOMET CHEM	78	0	0	6	3	6	5	5	4	5
1.682	INORG CHEM COMMUN	76	2	6	6	2	7	9	3	2	2
20.233	CHEM REV	72	0	1	1	1	4	4	2	3	1

### Acta Crystallographica Section C - citation report by issue

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	32	1.4	1	0	48	0.9	1	0	41	1.6
2	0	31	1.2	2	0	44	0.8	2	0	44	0.9
3	0	45	1.5	3	0	39	0.8	3	0	37	0.6
4	0	35	1.2	4	0	51	0.8	4	0	41	0.9
5	0	36	1.2	5	0	40	0.5	5	0	39	0.7
6	0	48	1.2	6	0	49	0.4	6	0	50	0.7
7	0	35	0.4	7	0	54	0.7	7	0	38	0.9
8	0	43	0.7	8	0	45	0.5	8	0	27	0.8
9	0	36	0.8	9	0	49	0.4	9	0	32	0.8
10	0	41	0.9	10	0	47	0.3	10	0	21	0.8
11	0	46	1.3	11	0	44	0.2	11	0	29	0.1
12	0	53	1.0	12	0	0	0	12	0	39	0.3

### Acta Crystallographica Section C - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
inorganic compounds	49	49	0	0.5	41	38	3	0.5	45	45	0	0.4
organic compounds	243	243	0	1.0	285	267	18	0.5	219	219	0	0.6
metal-organic compounds	186	186	0	1.3	227	205	22	0.7	173	173	0	1.1
addenda and errata	2	2	0	0.0	0	0	0	0.0	0	0	0	0.0
editorial	1	1	0	0.0	1	0	1	0.0	1	1	0	0.0
international union of crystallography	1	0	1	0.0	1	0	1	0.0	1	0	1	0.0

## Highly cited papers

Acta Crystallographica Section C - 2001							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
9	0	1120	organic compounds	20	11	<b>Janczak, J.</b> , Perpetuo, G.J.	Melaminium chloride hemihydrate
8	0	939	organic compounds	20	1	Mattheus, C.C., Dros, A.B., Baas, J., Meetsma, A., Boer, J.L. de, <b>Palstra, T.T.M.</b>	Polymorphism in pentacene
1	0	123	organic compounds	19	12	<b>Janczak, J.</b> , Perpetuo, G.J.	Melaminium phthalate
7	0	873	organic compounds	18	11	<b>Janczak, J.</b> , Perpetuo, G.J.	Melaminium bis(4-hydroxybenzenesulfonate) dihydrate
3	0	271	metal-organic compounds	17	4	<b>Yilmaz, V.T.</b> , Andac, O., Topcu, Y., Harrison, W.T.A.	trans-Bis(ethanolamine-N,O)bis(saccharinato-N)copper(II)

Acta Crystallographica Section C - 2002							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	o112	organic compounds	9	6	Perpetuo, G.J., <b>Janczak, J.</b>	Melaminium acetate acetic acid solvate monohydrate
5	0	o289	organic compounds	9	9	Low, J.N., Quesada, A., Marchal, A., Melguizo, M., Nogueras, M., <b>Glidewell, C.</b>	Hydrogen bonding in 2-amino-4,6-dimethoxypyrimidine, 2-benzylamino-4,6-bis(benzyloxy)pyrimidine and 2-amino-4,6-bis(N-pyrrolidino)pyrimidine: chains of fused rings and a centrosymmetric dimer
3	0	m158	metal-organic compounds	7	11	Zhu, M.-L., Lu, L.-P., Jin, X.-L., <b>Yang, P.</b>	Trichloro(1,1-dimethylbiguanidium-[bold kappa]N3)zinc(II)
2	0	m124	metal-organic compounds	7	5	<b>Kooijman, H.</b> , Spek, A.L., Albada, G.A. van, Reedijk, J.	catena-Poly[[dicyanamido(5,5'-dimethyl-2,2'-bipyridine-[bold kappa]2N,N')copper(II)]-[bold mu]-dicyanamido-[bold kappa]2N1:N5]
1	0	m17	metal-organic compounds	7	3	Andac, O., Guney, S., Topcu, Y., <b>Yilmaz, V.T.</b> , Harrison, W.T.A.	Bis(pyridine-2,6-dimethanol-N,O,O')cobalt(II) and -copper(II) disaccharinate dihydrate: three-dimensional structures with extensive hydrogen bonds and aromatic [bold pi]-[bold pi]-stacking interactions

Acta Crystallographica Section C - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
5	0	o234	organic compounds	14	4	Odabasoglu, M., Albayrak, C., <b>Buyukgungor, O.</b> , Goemann, H.	4-[(3-Chlorophenyl)diazanyl]-2-{{[tris(hydroxymethyl)methyl]aminomethylene}cyclohexa-3,5-dien-1(2H)-one
11	0	o616	organic compounds	13	2	Odabasoglu, M., Albayrak, C., <b>Buyukgungor, O.</b> , Lonnecke, P.	2-{{[Tris(hydroxymethyl)methyl]aminomethylene}cyclohexa-3,5-dien-1(2H)-one and its 6-hydroxy and 6-methoxy derivatives
12	0	m516	metal-organic compounds	12	9	Ma, C.-B., Chen, F., Chen, C.-N., <b>Liu, Q.-T.</b>	trans-Diaquabis(1H-imidazole-4,5-dicarboxylate-[bold kappa]2N3,O4)manganese(II)
11	0	m454	metal-organic compounds	11	9	<b>Hu, M.-L.</b> , Xiao, H.-P., Wang, S., Li, X.-H.	catena-Poly[[1,10-phenanthroline-[bold kappa]2N,N')copper(II)]-[bold mu]-(dihydrogen benzene-1,2,4,5-tetracarboxylato)-[bold kappa]2O1:O4]

6	0	m218	metal-organic compounds	10	9	Zhu, H.-L., Usman, A., <b>Fun, H.-K.</b> , Wang, X.-J.	Bis(2-aminopyridine-[bold kappa]N1)(benzoato-[bold kappa]O)silver(I)
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#### Acta Crystallographica Section C - 2004

Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
3	0	m117	metal-organic compounds	9	8	You, Z.-L., Yang, L., Zou, Y., Zeng, W.-J., Liu, W.-S., Zhu, H.-L.	catena-Poly[[silver(I)-[mu]-ethane-1,2-diamine-[kappa]2N:N'] 3-fluorobenzoate monohydrate]
1	0	o65	organic compounds	7	7	Vembu, N., Nallu, M., <b>Durmus, S.</b> , <b>Pazner, M.</b> , <b>Garrison, J.</b> , <b>Youngs, W.J.</b>	2-Chlorophenyl 3-nitrobenzenesulfonate and 2,4-dichlorophenyl 3-nitrobenzenesulfonate: supramolecular aggregation through C-H...O, [pi]-[pi] and van der Waals interactions
4	0	o248	organic compounds	6	7	Vembu, N., Nallu, M., <b>Durmus, S.</b> , <b>Pazner, M.</b> , <b>Garrison, J.</b> , <b>Youngs, W.J.</b>	Layer architecture in 4-nitrophenyl and 4-chlorophenyl 3-nitrobenzenesulfonate at 100 K
3	0	o211	organic compounds	6	5	Janczak, J., <b>Perpetuo, G.J.</b>	Melaminium maleate monohydrate
1	0	m18	metal-organic compounds	5	2	Lu, L.-P., Zhu, M.-L., Yang, P.	Cocrystal of the [MnIV(C <sub>2</sub> H <sub>7</sub> N <sub>5</sub> ) <sub>3</sub> ] <sup>4+</sup> ion and biguanidium: a double hydrogen-bond interaction with guanidinium-recognizing anions
1	0	o54	organic compounds	5	3	Du, M., <b>Zhao, X.-J.</b>	Three-dimensional hydrogen-bonding supramolecular architecture of 2-(3-pyridinio)-5-(3-pyridyl)-1,3,4-oxadiazole perchlorate
4	0	m183	metal-organic compounds	5	5	Liu, B.-X., Su, J.-R., Xu, D.-J.	catena-Poly[[[aquabis(1H-benzimidazole-[kappa]N3)cadmium(II)]-[mu]-phthalato-[kappa]3O,O':O} hemihydrate]
4	0	m170	metal-organic compounds	5	6	Zhu, H.-L., <b>Qiu, X.-Y.</b> , <b>Yang, S.</b> , <b>Shao, S.-C.</b> , <b>Ma, J.-L.</b> , <b>Sun, L.</b>	Bis([mu]-4-chlorobenzoato-[kappa]2O:O)bis(2-aminopyridine-[kappa]N)silver(I)
7	0	m320	metal-organic compounds	4	0	Calmuschi, B., Jonas, A.E., Englert, U.	Diacetato-[kappa]2O-bis((S)-1-(4-fluorophenyl)ethylamine-[kappa]N)palladium(II) and di-[mu]-acetato-[kappa]4O:O'-bis{[(S)-2-(1-aminoethyl)-5-fluorophenyl-[kappa]2C1,N]palladium(II)} benzene hemisolvate
6	0	m231	metal-organic compounds	4	4	You, Z.-L., Zhu, H.-L., <b>Liu, W.-S.</b>	catena-Poly[[silver(I)-[mu]-hexane-1,6-diamine-[kappa]2N:N'] cinnamate dihydrate]

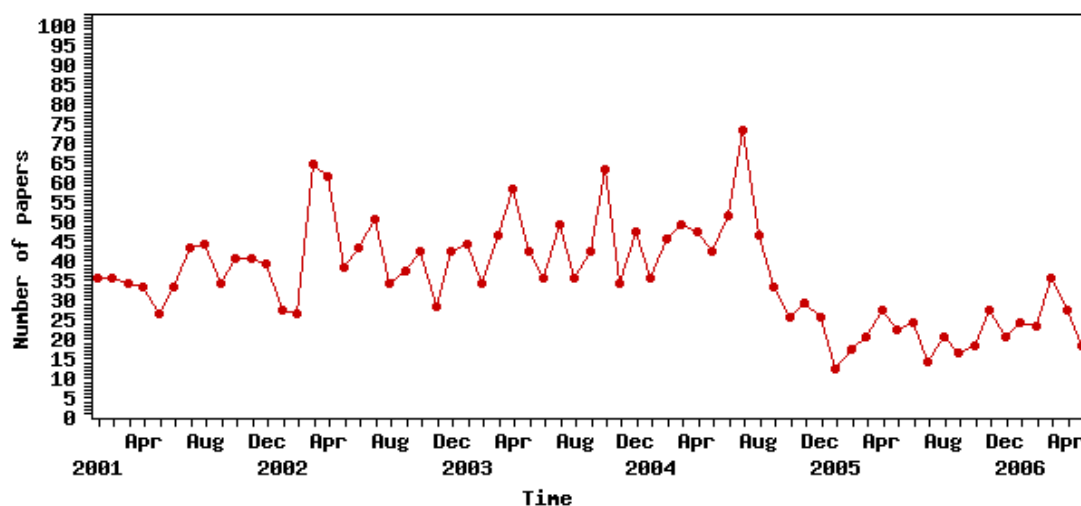
#### Acta Crystallographica Section C - 2005

Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	m19	metal-organic compounds	25	20	Li, H., Yin, K.-L., Xu, D.-J.	catena-Poly[[bis(1H-benzimidazole-[kappa]N3)(salicylato-[kappa]O)copper(II))-[mu]-salicylato-O,O':O}
7	0	m339	metal-organic compounds	13	10	You, Z.-L.	catena-Poly[[{4-bromo-2-[2-(dimethylamino)ethyliminomethyl]phenolato}copper(II)]-[mu]-azido]
6	0	m295	metal-organic compounds	11	9	You, Z.-L.	catena-Poly[[[N,N'-bis(salicylidene)propane-1,3-diaminato]cobalt(III)]-[mu]-azido] and catena-poly[[[N,N'-bis(salicylidene)propane-1,3-diaminato]cobalt(III)]-[mu]-thiocyanato]
8	0	m383	metal-organic compounds	11	9	You, Z.-L.	Dichloro{2-[2-(dimethylammonio)ethyliminomethyl]-4-nitrophenolato}zinc(II) in unsolvated and hemihydrate forms
9	0	o568	organic	8	6	Pu, S.-Z., <b>Yang, T.-S.</b> , <b>Wang, R.-</b>	1,2-Bis[5-(1,3-dioxolan-2-yl)-2-ethyl-3-

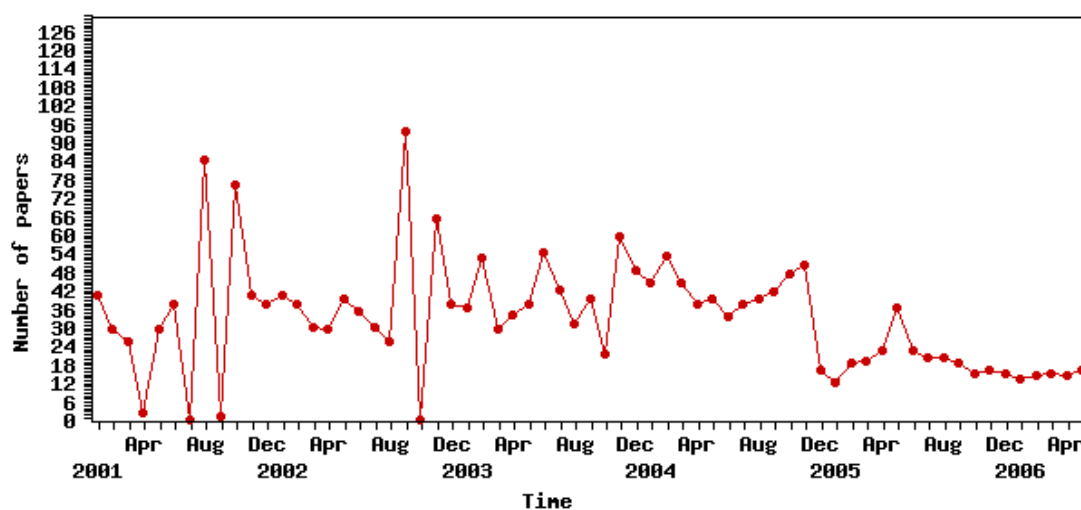
			compounds			<b>J., Xu, J.-K.</b>	thienyl]-3,3,4,4,5,5-hexafluorocyclopent-1-ene, a photochromic dithienylethene
10	0	m456	metal-organic compounds	8	7	You, Z.-L.	catena-Poly[[[4-bromo-2-(2-pyridylmethyliminomethyl)phenolato]zinc(I I)]-[mu]-chloro]
4	0	m177	metal-organic compounds	7	7	Fan, S.-R., Cai, G.-Q., Zhu, L.-G., <b>Xiao, H.-P.</b>	A mixed-valence CuII/CuI anion-cation complex: bis[[mu]-5-sulfosalicylato(3-)] bis[(di-2-pyridylamine)copper(II)] bis[bis(di-2-pyridylamine)copper(I)] dihydrate
7	0	m359	metal-organic compounds	6	4	You, Z.-L.	Bis[[mu]-N,N'-bis(3-methylsalicylidene)propane-1,3-diaminato]dicobalt(II) 0.28-hydrate
2	0	o105	organic compounds	6	5	Smith, G., <b>Wermuth, U.D., White, J.M.</b>	Hydrogen bonding in 1:1 proton-transfer compounds of 5-sulfosalicylic acid with 4-X-substituted anilines (X = F, Cl or Br)
10	0	o599	organic compounds	6	4	Pu, S.-Z., <b>Liu, G., Chen, B., Wang, R.-J.</b>	1-(2-Methyl-5-phenyl-3-thienyl)-2-(3-methyl-5-phenyl-2-thienyl)-3,3,4,4,5,5-hexafluorocyclopent-1-ene: a novel photochromic hybrid diarylethene
2	0	o88	organic compounds	6	4	Bialonska, A., <b>Ciunik, Z., Popek, T., Lis, T.</b>	Cyclic water pentamers in triclinic crystals of brucinium 1-glycerate
1	0	o50	organic compounds	5	5	Sikorski, A., Krzyminski, K., Konitz, A., Blazejowski, J.	2-Ethylphenyl acridine-9-carboxylate and 2,5-dimethylphenyl acridine-9-carboxylate
1	0	m16	metal-organic compounds	5	4	Su, W., <b>Bi, W.-H., Li, X., Cao, R.</b>	A novel three-dimensional supramolecular coordination polymer: poly[[diaquacadmium(II)-di-[mu]2-4,4'-bipyridyl-di-[mu]2-2-sulfonatobenzoato] dihydrate]
8	0	m397	metal-organic compounds	5	3	You, Z.-L., <b>Zhu, H.-L.</b>	A novel thiocyanate-bridged dinuclear cadmium(II) complex: di-[mu]-thiocyanato-bis((methanol){4-nitro-2-[2-(dimethylamino)ethyliminomethyl]phenolato}cadmium(II))

## Background information on Section D

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Acta Crystallographica Section D

Consortia deals	2641
Institutional subscribers	555
Individual subscribers	116
Impact Factor (2005)	1.401
Ranking (2005)	11/24

## Acta Crystallographica Section D - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Acta Crystallographica Section D*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	8772	172	603	919	743	595	1235	1839	515	271
1.693	ACTA CRYSTALLOGR D	1399	58	114	161	132	93	190	192	62	44
6.355	J BIOL CHEM	1065	18	65	70	80	61	151	266	89	21
5.542	J MOL BIOL	953	15	46	72	65	51	128	231	84	20
4.008	BIOCHEMISTRY-US	640	4	31	46	53	36	95	173	43	14
5.185	STRUCTURE	450	7	24	41	37	19	75	103	41	17
10.452	P NATL ACAD SCI USA	331	4	7	26	23	21	55	100	21	8
4.429	PROTEINS	276	0	7	22	19	18	51	72	12	15
	ALL OTHERS (213)	213	2	18	31	26	36	22	33	8	8
10.492	EMBO J	160	4	7	5	4	7	28	55	7	2
4.116	PROTEIN SCI	157	4	4	18	16	5	21	44	9	8
3.534	J APPL CRYSTALLOGR	147	6	26	22	21	14	21	8	6	4
16.811	MOL CELL	143	0	2	11	9	7	25	48	6	5
12	NAT STRUCT MOL BIOL	142	3	3	3	12	9	19	46	14	2
1.919	J SYNCHROTRON RADIAT	117	0	12	22	15	12	20	12	5	5
2.904	BIOCHEM BIOPH RES CO	104	2	10	8	12	7	11	22	5	2
3.843	FEBS LETT	100	5	8	12	6	9	12	22	8	1
32.182	NATURE	100	1	4	6	5	5	20	29	6	3
3.26	EUR J BIOCHEM	88	2	7	9	8	5	7	21	5	3
5.076	J MED CHEM	76	1	3	10	1	4	12	19	6	1
4.585	BIOPHYS J	68	0	6	11	6	4	6	13	3	6

## Acta Crystallographica Section D - citation report by issue

Special issues are shaded.

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	38	4.4	1	0	47	1.2	1	0	15	2.1
2	0	36	3.5	2	0	34	1.3	2	0	12	1.8
3	0	47	2.9	3	0	53	1.1	3	0	18	1.6
4	0	31	2.4	4	0	44	1.0	4	0	19	3.8
5	0	31	2.2	5	0	37	0.9	5	0	22	1.5
6	0	37	2.5	6	0	39	1.1	6	0	36	1.0
7	0	54	3.3	7	0	33	0.7	7	0	21	0.7
8	0	40	1.8	8	0	37	1.1	8	0	20	0.9
9	0	31	1.6	9	0	39	0.3	9	0	20	0.7
10	0	39	1.8	10	0	41	0.3	10	0	17	0.2
11	0	20	4.0	11	0	47	0.1	11	0	15	0.3
12	0	58	1.6	12	1	20	2.0	12	0	16	0.3
				12	2	29	0.1				

## Acta Crystallographica Section D - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
research papers	168	168	0	4.2	151	151	0	1.4	164	164	0	1.4
crystallization papers	247	247	0	1.4	295	287	8	0.5	0	0	0	0.0
short communications	31	31	0	3.7	36	34	2	1.2	60	60	0	0.9
structural genomics papers	5	5	0	4.4	10	10	0	1.0	0	0	0	0.0

letters to the editor	0	0	0	0.0	1	1	0	0.0	0	0	0	0.0
essays	0	0	0	0.0	0	0	0	0.0	1	1	0	0.0
addenda and errata	1	1	0	0.0	12	12	0	0.2	3	3	0	0.0
book reviews	1	0	1	0.0	0	0	0	0.0	1	0	1	0.0
books received	2	0	2	0.0	0	0	0	0.0	0	0	0	0.0
editorial	3	2	1	0.0	0	0	0	0.0	1	1	0	1.0
international union of crystallography	2	1	1	0.0	1	0	1	0.0	1	0	1	0.0
issue preface	1	0	1	0.0	1	0	1	0.0	1	0	1	0.0
obituaries	0	0	0	0.0	2	2	0	0.0	1	1	0	0.0

## Highly cited papers

Acta Crystallographica Section D - 2001												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
1	0	122	research papers	111	13	<b>Winn, M.D.</b> , Isupov, M.N., Murshudov, G.N.	Use of TLS parameters to model anisotropic displacements in macromolecular refinement					
10	0	1367	research papers	103	34	<b>Navaza, J.</b>	Implementation of molecular replacement in <a href="#">AMoRe</a>					
10	0	1373	research papers	53	39	<b>Read, R.J.</b>	Pushing the boundaries of molecular replacement with maximum likelihood					
8	0	1201	short communications	40	5	Harris, M., <b>Jones, T.A.</b>	Molray - a web interface between O and the POV-Ray ray tracer					
12	0	1755	research papers	40	17	<b>Terwilliger, T.C.</b>	Maximum-likelihood density modification using pattern recognition of structural motifs					

Acta Crystallographica Section D - 2002												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
6	1	899	research papers	66	16	<b>Berman, H.M.</b> , Battistuz, T., Bhat, T.N., Bluhm, W.F., Bourne, P.E., Burkhardt, K., Feng, Z., Gilliland, G.L., Iype, L., Jain, S., Fagan, P., Marvin, J., Padilla, D., Ravichandran, V., Schneider, B., Thanki, N., Weissig, H., Westbrook, J., Zardecki, C.	The Protein Data Bank					
10	2	1772	research papers	53	54	Schneider, T.R., <b>Sheldrick, G.M.</b>	Substructure solution with SHELXD					
3	0	494	research papers	35	35	<b>Dauter, Z.</b> , Dauter, M., Dodson, E.J.	Jolly SAD					
6	2	968	research papers	34	21	Morris, R.J., Perrakis, A., <b>Lamzin, V.S.</b>	ARP/wARP's model-building algorithms. I. The main chain					
11	0	1937	research papers	31	13	<b>Terwilliger, T.C.</b>	Automated structure solution, density modification and model building					

Acta Crystallographica Section D - 2003												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
7	0	1131	research	37	9	<b>Potterton, E.</b> , Briggs, P.,	A graphical user interface to the CCP4 program					

			papers			Turkenburg, M., Dodson, E.	suite
1	0	38	research papers	36	13	<b>Terwilliger, T.C.</b>	Automated main-chain model building by template matching and iterative fragment extension
11	0	2023	research papers	23	2	<b>Bricogne, G.,</b> Vonrhein, C., Flensburg, C., Schiltz, M., Paciorek, W.	Generation, representation and flow of phase information in structure determination: recent developments in and around SHARP 2.0
6	0	1028	research papers	18	6	Page, R., Grzechnik, S.K., Canaves, J.M., Spraggon, G., Kreusch, A., Kuhn, P., <b>Stevens, R.C.,</b> Lesley, S.A.	Shotgun crystallization strategy for structural genomics: an optimized two-tiered crystallization screen against the <i>Thermotoga maritima</i> proteome
7	0	1206	research papers	17	1	<b>Oefner, C.,</b> D'Arcy, A., Mac Sweeney, A., Pierau, S., Gardiner, R., Dale, G.E.	High-resolution structure of human apo dipeptidyl peptidase IV/CD26 and its complex with 1-[(5-iodopyridin-2-yl)amino]ethylamino-acetyl]-2-cyano-(S)-pyrrolidine

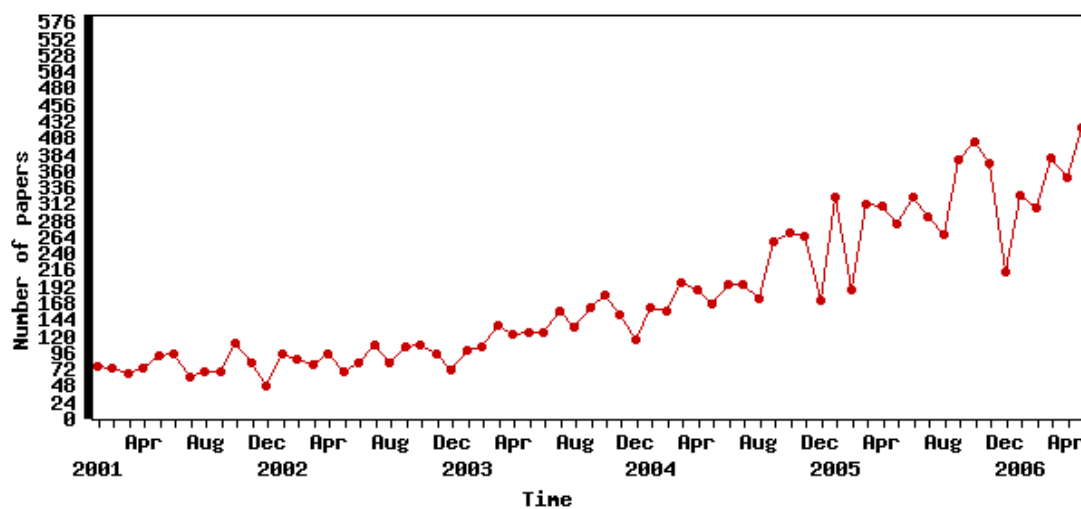
Acta Crystallographica Section D - 2004							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
3	0	432	research papers	16	28	Storoni, L.C., <b>McCoy, A.J.,</b> Read, R.J.	Likelihood-enhanced fast rotation functions
8	0	1355	research papers	15	3	Schuttelkopf, A.W., van Aalten, D.M.F.	PRODRG: a tool for high-throughput crystallography of protein-ligand complexes
12	1	2256	research papers	14	2	Krissinel, E., <b>Henrick, K.</b>	Secondary-structure matching (SSM), a new tool for fast protein structure alignment in three dimensions
12	1	2126	research papers	10	16	Emsley, P., <b>Cowtan, K.</b>	Coot: model-building tools for molecular graphics
6	0	1008	research papers	7	1	Anderson, S., <b>Crosson, S., Moffat, K.</b>	Short hydrogen bonds in photoactive yellow protein
2	0	241	research papers	6	5	Hanson, B.L., Langan, P., Katz, A.K., Li, X., Harp, J.M., Glusker, J.P., Schoenborn, B.P., Bunick, G.J.	A preliminary time-of-flight neutron diffraction study of <i>Streptomyces rubiginosus</i> d-xylose isomerase
1	0	22	research papers	6	8	Pannu, N.S., <b>Read, R.J.</b>	The application of multivariate statistical techniques improves single-wavelength anomalous diffraction phasing
5	0	849	research papers	5	2	Harding, M.M.	The architecture of metal coordination groups in proteins
1	0	200	short communications	5	4	Li, X., Langan, P., <b>Bau, R., Tsyba, I., Jenney, F.E., Adams, M.W.W., Schoenborn, B.P.</b>	W3Y single mutant of rubredoxin from <i>Pyrococcus furiosus</i> : a preliminary time-of-flight neutron study
2	0	275	research papers	5	5	Czepas, J., Devedjiev, Y., Krowarsch, D., Derewenda, U., Otlewski, J., Derewenda, Z.S.	The impact of Lys-->Arg surface mutations on the crystallization of the globular domain of RhoGDI
4	0	656	research papers	5	4	Rudolph, M.G., <b>Wingren, C., Crowley, M.P., Chien, Y.,</b> Wilson, I.A.	Combined pseudo-merohedral twinning, non-crystallographic symmetry and pseudo-translation in a monoclinic crystal form of the [gamma][delta] T-cell ligand T10

Acta Crystallographica Section D - 2005							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
4	0	458	research papers	34	5	<b>McCoy, A.J.,</b> Grosse-Kunstleve, R.W., Storoni, L.C., Read, R.J.	Likelihood-enhanced fast translation functions
4	0	449	research papers	8	4	Panjikar, S., <b>Parthasarathy, V., Lamzin, V.S., Weiss, M.S., Tucker, P.A.</b>	Auto-Rickshaw: an automated crystal structure determination platform as an efficient tool for the validation of an X-ray diffraction experiment
4	0	465	research	8	2	Painter, J., Merritt, E.A.	A molecular viewer for the analysis of

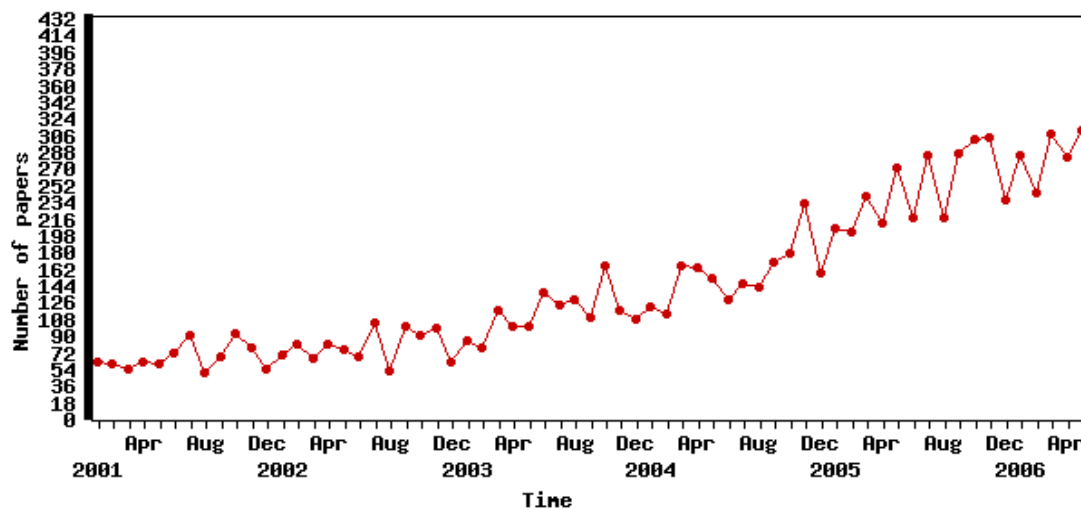
			papers				TLS rigid-body motion in macromolecules
6	0	651	short communications	7	4	Walter, T.S., Diprose, J.M., Mayo, C.J., Siebold, C., Pickford, M.G., Carter, L., Sutton, G.C., Berrow, N.S., Brown, J., Berry, I.M., Stewart-Jones, G.B.E., Grimes, J.M., Stammers, D.K., Esnouf, R.M., Jones, E.Y., Owens, R.J., Stuart, D.I., Harlos, K.	A procedure for setting up high-throughput nanolitre crystallization experiments. Crystallization workflow for initial screening, automated storage, imaging and optimization
5	0	520	research papers	6	3	Liu, Z.-J., <b>Lin, D., Tempel, W., Praissman, J.L., Rose, J.P.</b> , Wang, B.-C.	Parameter-space screening: a powerful tool for high-throughput crystal structure determination
2	0	141	research papers	5	0	Nikulin, A., <b>Stolboushkina, E., Perederina, A., Vassilieva, I., Blaes, U., Moll, I., Kachalova, G., Yokoyama, S., Vassilyev, D., Garber, M., Nikonov, S.</b>	Structure of Pseudomonas aeruginosa Hfq protein
6	0	690	short communications	5	1	Koepke, J., Ma, X., Fritzsche, G., Michel, H., Stockigt, J.	Crystallization and preliminary X-ray analysis of strictosidine synthase and its complex with the substrate tryptamine
1	0	75	research papers	5	0	Williams, P.A., Coates, L., Mohammed, F., Gill, R., Erskine, P.T., Coker, A., Wood, S.P., Anthony, C., Cooper, J.B.	The atomic resolution structure of methanol dehydrogenase from Methylobacterium extorquens
3	0	256	research papers	4	4	Janner, A.	Strongly correlated structure of axial-symmetric proteins. II. Pentagonal, heptagonal, octagonal, nonagonal and ondecagonal symmetries
3	0	269	research papers	4	4	Janner, A.	Strongly correlated structure of axial-symmetric proteins. III. Complexes with DNA/RNA

## Background information on Section E

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Acta Crystallographica Section E

Consortia deals	2778
Institutional subscribers	3
Individual subscribers	1
Impact factor (2005)	0.581
Ranking	20/24

## Acta Crystallographica Section E - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Acta Crystallographica Section E*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	2083	685	677	413	299	6	0	0	1	0
0.491	ACTA CRYSTALLOGR E	1213	595	378	147	91	1	0	0	0	0
0.728	ACTA CRYSTALLOGR C	221	55	101	37	27	0	0	0	1	0
	ALL OTHERS (60)	60	1	13	25	20	1	0	0	0	0
0.33	Z KRIST-NEW CRYST ST	28	5	14	4	5	0	0	0	0	0
5.418	ACTA CRYSTALLOGR B	27	0	2	14	11	0	0	0	0	0
1.586	POLYHEDRON	25	1	8	12	4	0	0	0	0	0
3.454	INORG CHEM	24	0	6	5	11	2	0	0	0	0
2.596	CRYSTENGCOMM	21	2	6	10	3	0	0	0	0	0
1.682	INORG CHEM COMMUN	21	2	2	12	5	0	0	0	0	0
1.554	INORG CHIM ACTA	18	0	3	5	10	0	0	0	0	0
2.926	DALTON T	16	0	10	3	3	0	0	0	0	0
2.336	EUR J INORG CHEM	14	0	6	6	1	1	0	0	0	0
1.086	Z ANORG ALLG CHEM	14	1	8	3	2	0	0	0	0	0
1.2	J MOL STRUCT	13	0	2	7	4	0	0	0	0	0
1.123	J RES NATL INST STAN	13	0	1	10	2	0	0	0	0	0
3.997	CHEM COMMUN	12	3	5	2	2	0	0	0	0	0
0.512	J CHEM CRYSTALLOGR	12	0	4	1	7	0	0	0	0	0
0.847	J COORD CHEM	12	1	5	3	2	1	0	0	0	0
2.856	CRYST GROWTH DES	11	1	2	3	5	0	0	0	0	0
2.426	EUR J ORG CHEM	10	1	4	2	3	0	0	0	0	0

## Acta Crystallographica Section E - citation report by issue

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	59	1.6	1	0	41	0.5	1	0	157	0.9
2	0	83	1.4	2	0	38	0.6	2	0	205	1.0
3	0	75	1.3	3	0	37	0.5	3	0	200	0.5
4	0	116	0.9	4	0	96	0.7	4	0	239	0.7
5	0	98	0.8	5	0	108	0.9	5	0	211	0.6
6	0	99	1.6	6	0	109	0.7	6	0	270	0.4
7	0	136	1.6	7	0	82	0.6	7	0	216	0.5
8	0	122	1.1	8	0	114	0.6	8	0	284	0.6
9	0	126	0.9	9	0	141	0.6	9	0	187	0.6
10	0	110	0.8	10	0	168	0.4	10	0	285	0.4
11	0	164	0.7	11	0	178	0.4	11	0	300	0.3
12	0	116	0.7	12	0	143	0.9	12	0	303	0.3

## Acta Crystallographica Section E - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
inorganic compounds	59	59	0	0.5	57	43	14	0.4	104	103	1	0.4
organic compounds	792	792	0	1.1	1002	631	371	0.5	1743	1724	19	0.6
metal-organic compounds	446	446	0	1.1	743	578	165	0.8	1031	1021	10	0.5
addenda and errata	5	5	0	0.0	5	3	2	0.0	8	8	0	0.0
editorial	2	2	0	0.0	1	0	1	0.0	1	1	0	0.0
international union of crystallography	1	0	1	0.0	1	0	1	0.0	0	0	0	0.0

## Highly cited papers

Acta Crystallographica Section E - 2001							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
10	0	o947	organic compounds	21	19	Davies, J.E., <b>Bond, A.D.</b>	Quinoline
9	0	o901	organic compounds	11	12	Jeyabharathi, A., Ponnuswamy, M.N., Amal Raj, A., Raghunathan, R., Razak, I.A., Usman, A., Chantrapromma, S., <b>Fun, H.-K.</b>	3-Benzylidene-1'-methyl-4'-phenylcyclohexanespiro-3'-pyrrolidine-2'-spiro-3- <i>indoline</i> -2,2-dione
12	0	m591	metal-organic compounds	10	11	Raj, S.B., <b>Muthiah, P.T.</b> , Bocelli, G., Righi, L.	Tetraaqua(8-hydroxyquinoline-5-sulfonato-N,O)nickel(II) monohydrate
3	0	m111	metal-organic compounds	9	3	Salami, T.O., Zavalij, P.Y., <b>Oliver, S.R.J.</b>	BING-1: a tin-oxalate-sodium-fluoride framework, <a href="#">Na4Sn4(C2O4)3F6</a>
12	0	o1179	organic compounds	8	9	<b>Muthiah, P.T.</b> , Umadevi, B., Stanley, N., Shui, X., Eggleston, D.S.	Hydrogen bonding patterns in trimethoprim sulfate trihydrate [trimethoprim = 2,4-diamino-5-(3,4,5-methoxybenzyl)pyrimidine]

Acta Crystallographica Section E - 2002							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
10	0	m513	metal-organic compounds	9	9	Basker Raj, S., <b>Muthiah, P.T.</b> , Bocelli, G., Olla, R.	Metal-binding modes in sulfoxines: supramolecular network in (8-hydroxyquinoline-5-sulfonato-N1,O8)sodium(I)
12	0	o1365	organic compounds	7	3	<b>Wang, J.-L.</b> , Zhang, S.-M., Miao, F.-M.	4-[(2-Hydroxyphenylamino)phenylmethylene]-5-methyl-2-phenyl-2H-pyrazol-3(4H)-one
12	0	o1333	organic compounds	7	10	Shan, S., <b>Xu, D.-J.</b> , Wu, J.-Y., Chiang, M.Y.	Acetophenone (2,4-dinitrophenyl)hydrazone
5	0	m217	metal-organic compounds	6	7	Zhu, M., Lu, L., <b>Yang, P.</b> , Jin, X.	Bis(1,1-dimethylbiguanido)copper(II) octahydrate
10	0	o1142	organic compounds	6	7	Stibrany, R.T., Schugar, H.J., <b>Potenza, J.A.</b>	[ <b>bold kappa</b> ]2N13,N13'-Hydro-rac-2,2'-bis[2-(1-propylbenzimidazol-2yl)]biphenyl trifluoromethanesulfonate, the salt of a novel proton sponge

Acta Crystallographica Section E - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
3	0	o378	organic compounds	23	22	Vembu, N., <b>Nallu, M.</b> , Garrison, J., Youngs, W.J.	2,4-Dinitrophenyl 4-toluenesulfonate: molecular aggregation through weak C-H...O interactions
11	0	m1025	metal-organic compounds	20	18	You, Z.-L., Lin, Y.-S., Liu, W.-S., Tan, M.-Y., <b>Zhu, H.-L.</b>	Bis[2-(cyclopropyliminomethyl)phenolato]zinc(II)
6	0	o830	organic compounds	20	19	Vembu, N., <b>Nallu, M.</b> , Garrison, J., Hindi, K., Youngs, W.J.	4-Methoxyphenyl 4-toluenesulfonate: supramolecular aggregation through C-H...O and C-H...[ <b>bold pi</b> ] interactions
4	0	o503	organic compounds	20	20	Vembu, N., <b>Nallu, M.</b> , Garrison, J., Youngs, W.J.	2-Chlorophenyl 4-toluenesulfonate: molecular aggregation through weak C-H...O interactions
6	0	o776	organic compounds	19	18	Vembu, N., <b>Nallu, M.</b> , Garrison, J., Youngs, W.J.	Redetermination of 8-tosyloxyquinoline at 100 K: supramolecular aggregation through weak C-H...O and C-H...N interactions

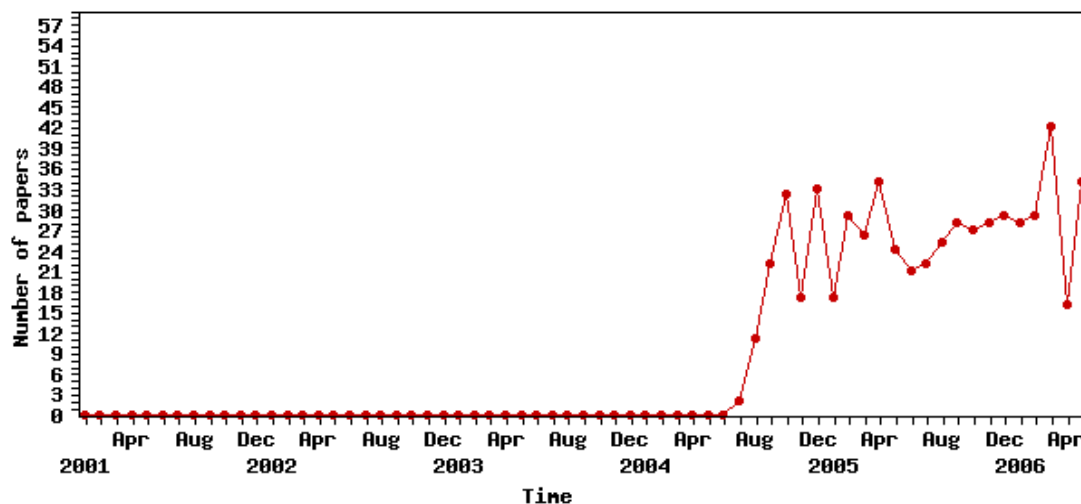
Acta Crystallographica Section E - 2004							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
12	0	m1970	metal-organic compounds	14	11	Fan, S.-R., Xiao, H.-P., Zhang, L.-P., Cai, G.-Q., Zhu, L.-G.	Poly[[aqua(1,10-phenanthroline-[kappa]2N,N')copper(II)]-[mu]-4-sulfonatobenzoato-[kappa]2O4:O1]
12	0	m1833	metal-organic compounds	13	11	Fan, S.-R., Xiao, H.-P., Zhang, L.-P., Zhu, L.-G.	Bis([mu]-4-sulfobenzoato-[kappa]2O:O')bis[aqua(2,2'-bipyridine-[kappa]2N,N')copper(II)]
5	0	m560	metal-organic compounds	10	8	You, Z.-L., Zhu, H.-L., Liu, W.-S.	A butterfly-shaped Schiff base complex: bis[2-(cyclopropyliminomethyl)naphthalato]dithiocyanatozinc(II)
9	0	m1267	metal-organic compounds	10		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[aquaabis(1H-imidazole-[kappa]N3)copper(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]2O:O']
6	0	m884	metal-organic compounds	9	12	You, Z.-L., Chen, B., Zhu, H.-L., Liu, W.-S.	Aqua[2-(pyridin-2-ylmethyliminomethyl)phenolato-[kappa]3N,N',O]copper(II) nitrate monohydrate
9	0	m1308	metal-organic compounds	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	A one-dimensional chain CdII polymer: catena-poly[[tris(1H-imidazole-[kappa]N3)cadmium(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]3O,O':O]
9	0	m1242	metal-organic compounds	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[tetraaquaacobalt(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]2O:O']
9	0	m1231	metal-organic compounds	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[[aqua(1,10-phenanthroline-[kappa]2N,N')copper(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]3O,O':O] monohydrate]
8	0	o1401	organic compounds	8	9	Wang, J., Shi, D., Wang, X.	Ethyl 9-amino-7-(4-methoxyphenyl)-7H-pyrano[3,2-c]coumarin-8-carboxylate
5	0	m606	metal-organic compounds	8	8	Huo, L.-H., Gao, S., Liu, J.-W., Zhao, H., Ng, S.W.	Ethanol(ethoxy)[3-methoxyisalicylaldehyde (4-methoxybenzoyl)hydrazonato-[kappa]3O,N,O']oxovanadium(V)

Acta Crystallographica Section E - 2005							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
12	0	m1970	metal-organic compounds	14	11	Fan, S.-R., Xiao, H.-P., Zhang, L.-P., Cai, G.-Q., Zhu, L.-G.	Poly[[aqua(1,10-phenanthroline-[kappa]2N,N')copper(II)]-[mu]-4-sulfonatobenzoato-[kappa]2O4:O1]
12	0	m1833	metal-organic compounds	13	11	Fan, S.-R., Xiao, H.-P., Zhang, L.-P., Zhu, L.-G.	Bis([mu]-4-sulfobenzoato-[kappa]2O:O')bis[aqua(2,2'-bipyridine-[kappa]2N,N')copper(II)]
5	0	m560	metal-organic compounds	10	8	You, Z.-L., Zhu, H.-L., Liu, W.-S.	A butterfly-shaped Schiff base complex: bis[2-(cyclopropyliminomethyl)naphthalato]dithiocyanatozinc(II)
9	0	m1267	metal-organic compounds	10		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[aquaabis(1H-imidazole-[kappa]N3)copper(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]2O:O']
6	0	m884	metal-organic compounds	9	12	You, Z.-L., Chen, B., Zhu, H.-L., Liu, W.-S.	Aqua[2-(pyridin-2-ylmethyliminomethyl)phenolato-[kappa]3N,N',O]copper(II) nitrate monohydrate
9	0	m1308	metal-organic compounds	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	A one-dimensional chain CdII polymer: catena-poly[[tris(1H-imidazole-[kappa]N3)cadmium(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]3O,O':O]
9	0	m1242	metal-organic compounds	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[tetraaquaacobalt(II)]-[mu]-benzene-1,4-dioxyacetato-[kappa]2O:O']
9	0	m1231	metal-organic	8		Gao, S., Liu, J.-W., Huo, L.-H., Zhao, H., Zhao, J.-G.	catena-Poly[[[aqua(1,10-phenanthroline-[kappa]2N,N')copper(II)]-[mu]-benzene-1,4-

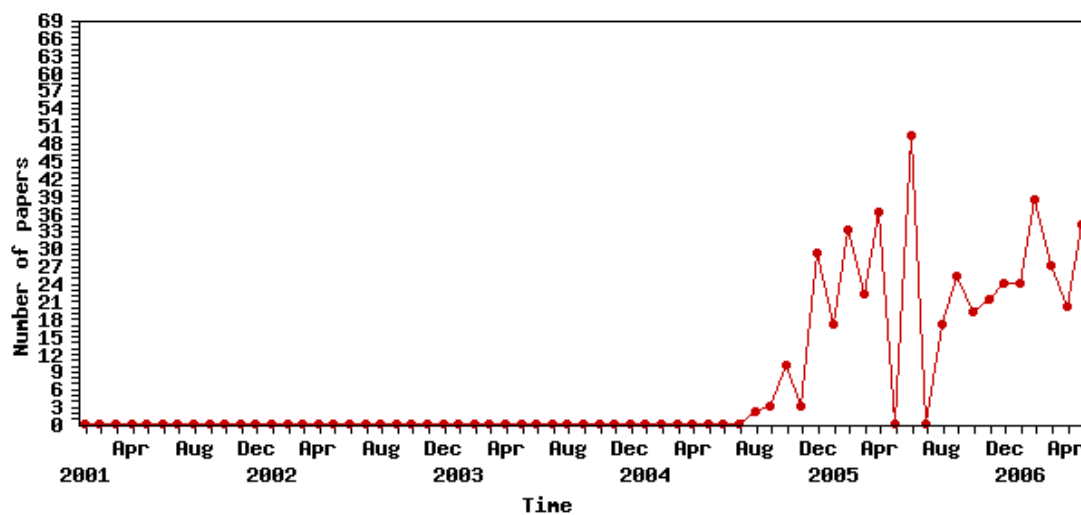
			compounds			<b>G.</b>	dioxyacetato-[kappa]3O,O'] <i>monohydrate</i>
8	0	o1401	organic compounds	8	9	Wang, J., Shi, D., <b>Wang, X.</b>	Ethyl 9-amino-7-(4-methoxyphenyl)-7H-pyrano[3,2-c]coumarin-8-carboxylate
5	0	m606	metal-organic compounds	8	8	Huo, L.-H., Gao, S., <b>Liu, J.-W., Zhao, H., Ng, S.W.</b>	Ethanol(ethoxy)[3-methoxysalicylaldehyde (4-methoxybenzoyl)hydrazonato-[kappa]3O,N,O']oxovanadium(V)

## Background information on Section F

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Acta Crystallographica Section E

Consortia deals	2780
Institutional subscribers	0
Individual subscribers	0
Impact factor (2005)	-
Ranking	-

## Acta Crystallographica Section F - citation report by issue

2003				2004				2005			
Issue	Part	No . of articles in ISI database	Average citation count	Issue	Part	No . of articles in ISI database	Average citation count	Issue	Part	No . of articles in ISI database	Average citation count
								1	0	46	0.7
								2	0	28	0.6
								3	0	24	0.5
								4	0	32	0.5
								5	0	24	0.4
								6	0	22	0.4
								7	0	27	0.2
								8	0	25	0.3
								9	0	17	0.2
								10	0	25	0.2
								11	0	19	0.1
								12	0	21	0.1

## Acta Crystallographica Section F - citation report by category

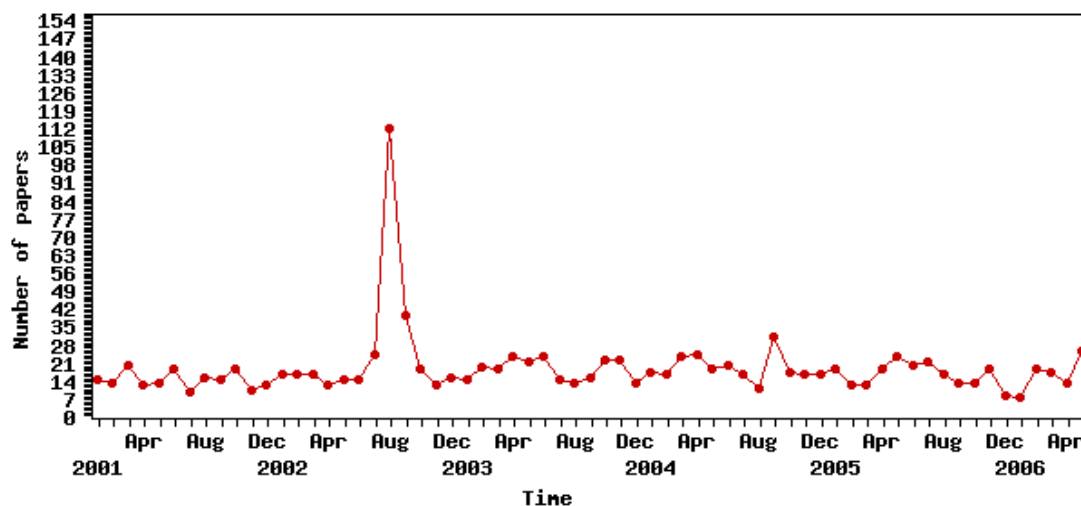
Category	2003				2004				2005			
	No. of articles	No . of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No . of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No . of articles in ISI database	No. of articles not covered	Average citation count
crystallization communications	0	0	0	0.0	0	0	0	0.0	276	276	0	0.4
protein structure communications	0	0	0	0.0	0	0	0	0.0	20	20	0	0.8
structural genomics communications	0	0	0	0.0	0	0	0	0.0	13	13	0	0.0
editorial	0	0	0	0.0	0	0	0	0.0	1	1	0	0.0
international union of crystallography	0	0	0	0.0	0	0	0	0.0	1	0	1	0.0

## Highly cited papers

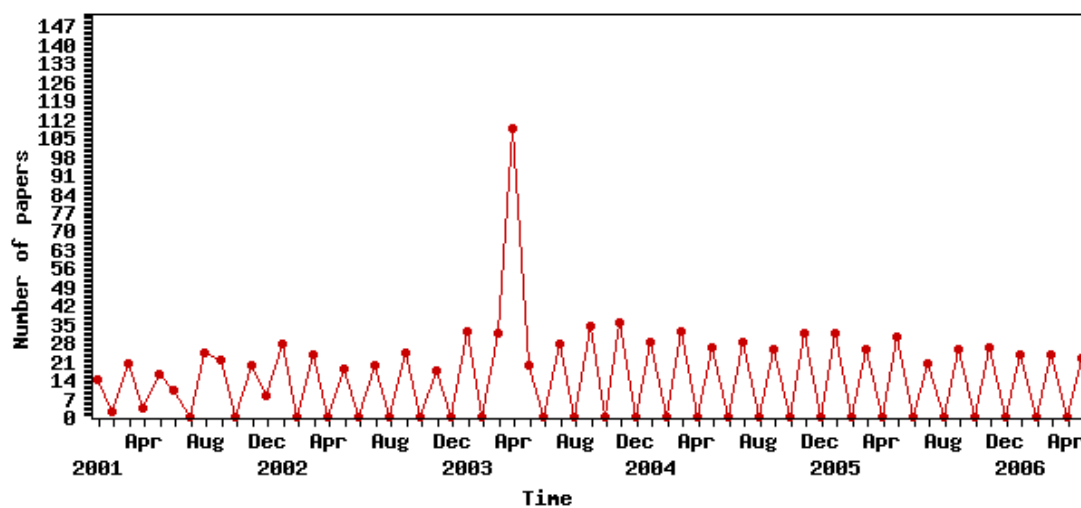
Acta Crystallographica Section F - 2005							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	14	protein structure communications	4	0	Holton, S.J., Dairou, J., Sandy, J., Rodrigues-Lima, F., Dupret, J.-M., Noble, M.E.M., <b>Sim, E.</b>	Structure of Mesorhizobium loti arylamine N-acetyltransferase 1
1	0	3	protein structure communications	3	0	<b>Sekar, K.</b> , Rajakannan, V., Gayathri, D., Velmurugan, D., Poi, M.-J., Dauter, M., Dauter, Z., Tsai, M.-D.	Atomic resolution (0.97 Å) structure of the triple mutant (K53,56,121M) of bovine pancreatic phospholipase A2
2	0	212	crystallization communications	3	0	<b>Abergel, C.</b> , Chenivresse, S., Byrne, D., Suhre, K., Arondel, V., Claverie, J.-M.	Mimivirus TyrRS: preliminary structural and functional characterization of the first amino-acyl tRNA synthetase found in a virus
2	0	221	crystallization communications	3	0	Lagartera, L., Gonzalez, A., Stelter, M., Garcia, P., Kahn, R., Menendez, M., <b>Hermoso, J.A.</b>	Crystallization and preliminary X-ray diffraction studies of the pneumococcal teichoic acid phosphorylcholine esterase Pce

## Background information on Journal of Applied Crystallography

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Journal of Applied Crystallography

Consortia deals	2649
Institutional subscribers	522
Individual subscribers	86
Impact factor (2005)	5.248
Ranking	1/24

## Journal of Applied Crystallography - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Journal of Applied Crystallography*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	12629	93	980	264	339	466	1560	189	1668	186
0.491	ACTA CRYSTALLOGR E	1541	14	311	2	0	8	377	0	496	1
0.728	ACTA CRYSTALLOGR C	512	5	130	2	0	19	117	0	160	6
3.534	J APPL CRYSTALLOGR	493	33	38	25	32	39	34	17	26	12
6.355	J BIOL CHEM	448	1	8	2	6	11	3	1	39	0
5.542	J MOL BIOL	421	1	11	3	7	10	4	2	35	0
1.693	ACTA CRYSTALLOGR D	417	4	11	13	18	8	13	5	68	5
4.008	BIOCHEMISTRY-US	267	1	8	0	2	2	11	1	20	2
3.454	INORG CHEM	259	1	10	4	2	5	64	5	35	2
	ALL OTHERS (247)	247	0	7	4	7	16	8	4	18	5
1.815	J SOLID STATE CHEM	217	1	8	1	14	4	27	5	5	10
1.562	J ALLOY COMPD	183	0	1	3	9	7	18	6	5	6
5.185	STRUCTURE	165	2	7	6	3	3	7	0	7	1
1.554	INORG CHIM ACTA	160	0	8	0	0	0	35	1	47	2
2.926	DALTON T	159	0	7	2	2	2	56	2	29	2
1.39	Z KRISTALLOGR	158	6	13	3	9	4	25	3	10	3
4.429	PROTEINS	144	0	0	24	1	3	10	0	4	3
3.196	ORGANOMETALLICS	139	0	12	0	0	3	29	6	30	3
0.498	MATER SCI FORUM	137	0	3	4	12	9	17	6	6	6
2.336	EUR J INORG CHEM	132	0	6	1	1	1	37	1	30	1
6.903	J AM CHEM SOC	132	1	14	3	0	5	14	4	16	3

## Journal of Applied Crystallography - citation report by issue

Special issues are shaded.

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	28	40.4	1	0	27	1.4	1	0	28	2.1
2	0	28	5.8	2	0	29	2.3	2	0	25	1.3
3	1	96	1.8	3	0	25	1.0	3	0	26	0.7
3	2	14	4.9								
4	0	24	2.0	4	0	26	1.3	4	0	19	0.8
5	0	32	2.0	5	0	23	0.7	5	0	24	0.4
6	0	30	1.7	6	0	28	0.2	6	0	24	0.2

## Journal of Applied Crystallography - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
research papers	224	214	10	7.4	110	110	0	1.1	110	110	0	0.8
short communications	8	8	0	0.9	10	10	0	0.1	8	8	0	0.8
teaching and education	0	0	0	0.0	1	1	0	3.0	1	1	0	0.0
cryocrystallography papers	2	2	0	2.0	3	3	0	1.0	0	0	0	0.0
computer programs	14	14	0	6.5	14	14	0	1.5	13	13	0	2.9
CIF applications	3	3	0	1.3	2	2	0	14.0	0	0	0	0.0
laboratory notes	9	9	0	1.1	11	11	0	0.5	10	10	0	0.3
computer program abstracts	12	0	12	0.0	7	1	6	3.0	7	0	7	0.0
letters to the editor	0	0	0	0.0	2	2	0	0.5	0	0	0	0.0

addenda and errata	0	0	0	0.0	1	1	0	0.0	1	1	0	0.0
book reviews	4	0	4	0.0	1	0	1	0.0	3	0	3	0.0
books received	3	0	3	0.0	2	0	2	0.0	0	0	0	0.0
crystallographers	4	2	2	0.0	3	3	0	0.0	2	2	0	0.0
issue preface	1	0	1	0.0	0	0	0	0.0	0	0	0	0.0
issue foreword	1	0	1	0.0	0	0	0	0.0	0	0	0	0.0
international union of crystallography	1	0	1	0.0	1	0	1	0.0	1	0	1	0.0
new commercial products	0	0	0	0.0	2	0	2	0.0	0	0	0	0.0

## Highly cited papers

Journal of Applied Crystallography - 2001												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
2	0	210	computer programs	35	13	<b>Toby, B.H.</b>	EXPGUI, a graphical user interface for GSAS					
1	0	33	research papers	33	2	Kozin, M.B., <b>Svergun, D.I.</b>	Automated matching of high- and low-resolution structural models					
1	0	82	computer programs	31	22	<b>Evans, G.</b> , Pettifer, R. F.	CHOOCH: a program for deriving anomalous-scattering factors from X-ray fluorescence spectra					
3	0	298	research papers	31	9	<b>Ungar, T.</b> , Gubicza, J., Ribarik, G., Borbely, A.	Crystallite size distribution and dislocation structure determined by diffraction profile analysis: principles and practical application to cubic and hexagonal crystals					
2	0	130	research papers	30	31	<b>Weiss, M.S.</b>	Global indicators of X-ray data quality					

Journal of Applied Crystallography - 2002												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
2	0	278	short communications	17	8	Santarsiero, B.D., Yegian, D.T., Lee, C.C., Spraggon, G., Gu, J., Scheibe, D., Uber, D.C., Cornell, E.W., Nordmeyer, R.A., Kolbe, W.F., Jin, J., Jones, A.L., Jaklevic, J.M., Schultz, P.G., <b>Stevens, R.C.</b>	An approach to rapid protein crystallization using nanodroplets					
1	0	82	research papers	14	4	Wcislak, L., Klein, H., <b>Bunge, H.J.</b> , Garbe, U., Tschentscher, T., Schneider, J.R.	Texture analysis with high-energy synchrotron radiation					
2	0	168	research papers	11	8	Cooper, R.I., Gould, R.O., <b>Parsons, S.</b> , Watkin, D.J.	The derivation of non-merohedral twin laws during refinement by analysis of poorly fitting intensity data and the refinement of non-merohedrally twinned crystal structures in the program CRYSTALS					
6	0	734	computer programs	10	10	<b>Favre-Nicolin, V.</b> , Cerny, R.	FOX, 'free objects for crystallography': a modular approach to ab initio structure determination from powder diffraction					
1	0	126	computer programs	9	9	Grosse-Kunstleve, R.W., Sauter, N.K., Moriarty, N.W., <b>Adams, P.D.</b>	The Computational Crystallography Toolbox: crystallographic algorithms in a reusable software framework					

Journal of Applied Crystallography - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	7	research papers	1054	1010	<b>Spek, A.L.</b>	Single-crystal structure validation with the program PLATON
2	0	220	research papers	56	38	<b>Duisenberg, A.J.M.</b> , Kroon-Batenburg, L.M.J., Schreurs, A.M.M.	An intensity evaluation method: EVAL-14
3	2	944	computer programs	47	4	<b>Fenn, T.D.</b> , Ringe, D., Petsko, G.A.	POVScript+: a program for model and data visualization using persistence of vision ray-tracing
5	0	1277	computer programs	21	2	Konarev, P.V., Volkov, V.V., Sokolova, A.V., Koch, M.H.J., <b>Svergun, D.I.</b>	PRIMUS: a Windows PC-based system for small-angle scattering data analysis
3	1	860	research papers	20	1	<b>Volkov, V.V.</b> , Svergun, D.I.	Uniqueness of ab initio shape determination in small-angle scattering

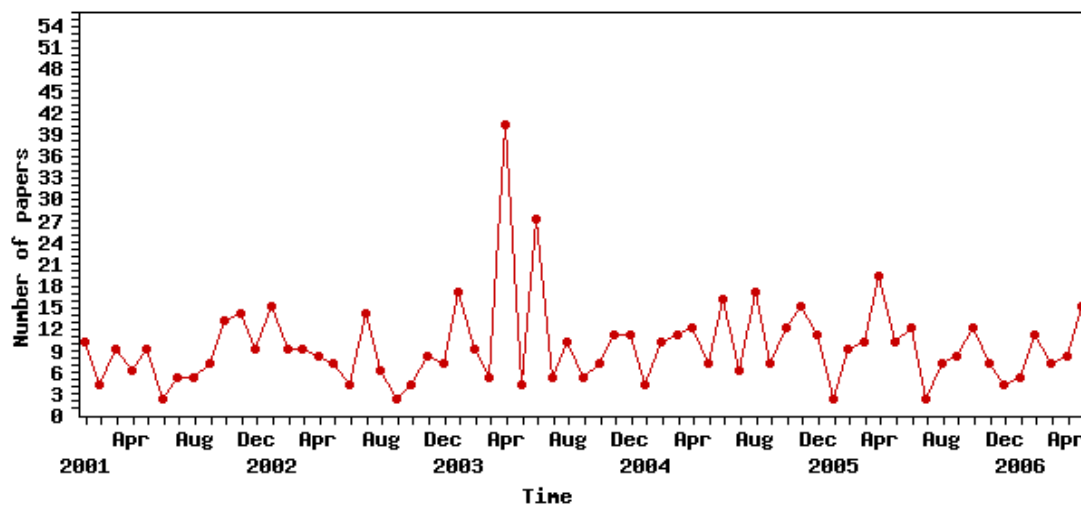
Journal of Applied Crystallography - 2004							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	335	cif applications	28	49	<b>Allen, F.H.</b> , Johnson, O., Shields, G.P., Smith, B.R., Towler, M.	CIF applications. XV. enCIFer: a program for viewing, editing and visualizing CIFs
2	0	231	research papers	8	5	<b>Gilmore, C.J.</b> , Barr, G., Paisley, J.	High-throughput powder diffraction. I. A new approach to qualitative and quantitative powder diffraction pattern analysis using full pattern profiles
4	0	513	research papers	7	12	Murray, J.W., <b>Garman, E.F.</b> , <b>Ravelli, R.B.G.</b>	X-ray absorption by macromolecular crystals: the effects of wavelength and crystal composition on absorbed dose
4	0	575	research papers	6	0	<b>Ruland, W.</b> , Smarsly, B.	SAXS of self-assembled oriented lamellar nanocomposite films: an advanced method of evaluation
3	0	410	research papers	6	8	Dawson, A., Allan, D.R., <b>Parsons, S.</b> , Ruf, M.	Use of a CCD diffractometer in crystal structure determinations at high pressure
1	0	72	research papers	6	6	Ohana, J., Jacquamet, L., Joly, J., Bertoni, A., Taunier, P., Michel, L., Charrault, P., Pirocchi, M., Carpentier, P., Borel, F., Kahn, R., <b>Ferrer, J.-L.</b>	CATS: a Cryogenic Automated Transfer System installed on the beamline FIP at ESRF
2	0	243	research papers	6	6	Barr, G., Dong, W., <b>Gilmore, C.J.</b>	High-throughput powder diffraction. II. Applications of clustering methods and multivariate data analysis
2	0	265	research papers	5	4	<b>Andrey, P.</b> , Lavault, B., Cipriani, F., Maurin, Y.	Using image analysis for automated crystal positioning in a synchrotron X-ray beam for high-throughput macromolecular crystallography
1	0	24	research papers	5	6	<b>Langan, P.</b> , Greene, G., Schoenborn, B.P.	Protein crystallography with spallation neutrons: the user facility at Los Alamos Neutron Science Center
3	0	486	computer programs	4	1	<b>Angel, R.J.</b>	Absorption corrections for diamond-anvil pressure cells implemented in the software package Absorb6.0
1	0	78	research papers	4	0	<b>Wu, J.S.</b> , Spence, J.C.H.	Electron diffraction of thin-film pentacene

**Journal of Applied Crystallography - 2005**

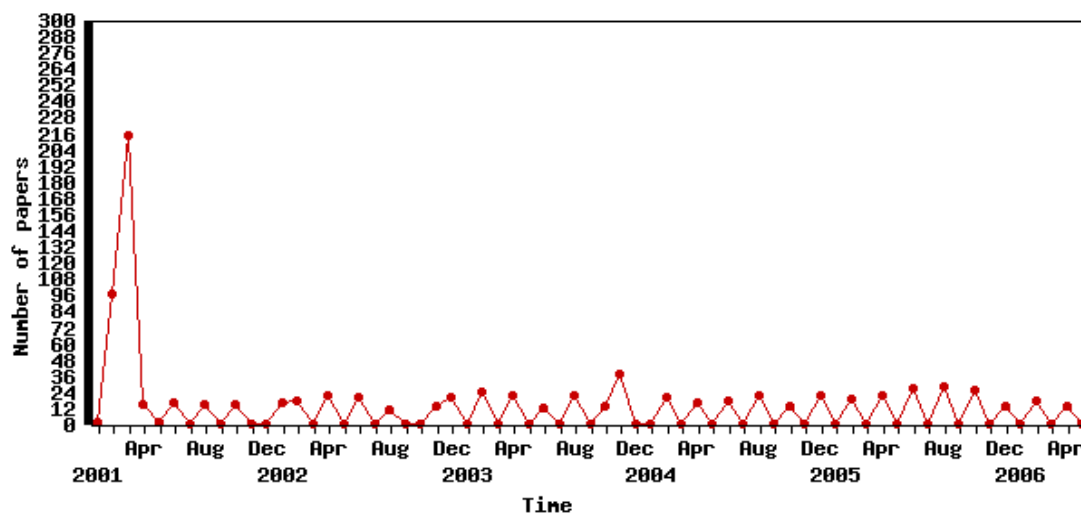
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
2	0	381	computer programs	15	6	Burla, M.C., Caliandro, R., Camalli, M., Carrozzini, B., Cascarano, G.L., De Caro, L., <b>Giacovazzo, C.</b> , Polidori, G., Spagna, R.	SIR2004: an improved tool for crystal structure determination and refinement
1	0	78	research papers	8	0	<b>Ruland, W.</b> , Smarsly, B.	SAXS of self-assembled nanocomposite films with oriented two-dimensional cylinder arrays: an advanced method of evaluation
1	0	1	topical reviews	8	0	<b>Welzel, U.</b> , Ligot, J., Lamparter, P., Vermeulen, A.C., Mittemeijer, E.J.	Stress analysis of polycrystalline thin films and surface regions by X-ray diffraction
1	0	228	computer programs	8	4	<b>Chisholm, J.A.</b> , Motherwell, S.	COMPACT: a program for identifying crystal structure similarity using distances
3	0	412	research papers	6	2	Chinte, U., Shah, B., <b>DeWitt, K.</b> , Kirschbaum, K., Pinkerton, A.A., <b>Schall, C.</b>	Sample size: an important parameter in flash-cooling macromolecular crystallization solutions
2	0	311	research papers	5	0	<b>Keckes, J.</b>	Simultaneous determination of experimental elastic and thermal strains in thin films
1	0	199	research papers	4	0	Guilmeau, E., <b>Chateigner, D.</b> , Noudem, J., Funahashi, R., Horii, S., Ouladdiaf, B.	Rietveld texture analysis of complex oxides: examples of polyphased Bi2223 superconducting and Co349 thermoelectric textured ceramics characterization using neutron and X-ray diffraction
1	0	139	research papers	4	0	<b>Kaiser-Bischoff, I.</b> , Boysen, H., Frey, F., Hoffmann, J.-U., Hohlwein, D., Lerch, M.	The defect structure of Y- and N-doped zirconia
4	0	697	computer programs	4	0	<b>Le Page, Y.</b> , Rodgers, J.R.	Quantum software interfaced with crystal-structure databases: tools, results and perspectives
2	0	377	short communications	3	0	Ischia, G., <b>Wenk, H.-R.</b> , Lutterotti, L., Berberich, F.	Quantitative Rietveld texture analysis of zirconium from single synchrotron diffraction images
4	0	661	research papers	3	0	Liu, J., Kim, K., Golshan, M., Laundy, D., <b>Korsunsky, A.M.</b>	Energy calibration and full-pattern refinement for strain analysis using energy-dispersive and monochromatic X-ray diffraction

## Background information on JSR

### Papers submitted (2000-2005)



### Papers published (2000-2005)



### Numbers at a glance Journal of Synchrotron Radiation

Consortia deals	2709
Institutional subscribers	147
Individual subscribers	59
Impact Factor (2005)	2.392
Ranking (2005)	3/20

## Journal of Synchrotron Radiation - competing journals based on citing

Number of times articles published in 2004 (in journals below) cited articles published in *Journal of Synchrotron Radiation*

Impact	Citing Journal	Cited Year									
		All Yrs	2004	2003	2002	2001	2000	1999	1998	1997	1996
	ALL JOURNALS	1571	43	124	160	298	95	257	415	50	56
	AIP CONF P	201	0	11	20	21	14	13	103	5	9
1.919	J SYNCHROTRON RADIAT	122	7	12	17	13	11	23	26	3	6
	ALL OTHERS (118)	118	6	10	11	20	10	26	22	4	2
3.075	PHYS REV B	67	0	13	4	18	1	10	11	0	4
	P SOC PHOTO-OPT INS	47	0	5	4	9	5	9	12	0	2
3.834	J PHYS CHEM B	33	0	2	2	12	0	11	4	0	1
1.142	JPN J APPL PHYS	29	7	1	3	2	3	0	13	0	0
1.069	J ELECTRON SPECTROSC	25	0	1	1	7	1	4	9	0	1
1.349	NUCL INSTRUM METH A	25	0	1	2	3	4	1	10	1	2
1.562	J ALLOY COMPD	24	0	0	0	2	1	10	10	1	0
3.534	J APPL CRYSTALLOGR	24	2	3	5	0	2	0	6	2	1
1.693	ACTA CRYSTALLOGR D	23	3	0	11	0	0	2	4	1	0
1.226	REV SCI INSTRUM	22	0	2	3	2	1	4	5	1	1
2.049	J PHYS-CONDENS MAT	18	0	1	3	2	0	2	6	3	1
1.785	AM MINERAL	17	0	1	0	11	1	3	1	0	0
5.45	ANAL CHEM	17	0	6	6	0	0	4	0	1	0
4.008	BIOCHEMISTRY-US	16	3	4	1	3	2	1	1	0	0
	NATO SCI SER II MATH	16	0	0	2	4	0	1	2	2	1
2.902	PHYS REV A	16	0	2	2	2	0	3	4	1	1
0.13	PHYS REV SPEC TOP-AC	16	0	0	0	1	1	0	14	0	0

## Journal of Synchrotron Radiation - citation report by issue

Special issues are shaded.

2003				2004				2005			
Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count	Issue	Part	No. of articles in ISI database	Average citation count
1	0	16	7.1	1	0	36	1.7	1	0	20	1.7
2	0	23	1.7	2	0	13	0.8	2	0	17	1.1
3	0	21	1.8	3	0	11	1.2	3	0	19	2.4
4	0	8	1.2	4	0	15	0.6	4	0	26	1.3
5	0	18	0.7	5	0	13	0.5	5	0	26	0.5
6	0	10	2.3	6	0	11	0.2	6	0	22	0.1

## Journal of Synchrotron Radiation - citation report by category

Category	2003				2004				2005			
	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count	No. of articles	No. of articles in ISI database	No. of articles not covered	Average citation count
research papers	72	72	0	3.1	84	84	0	1.2	119	119	0	1.1
short communications	6	6	0	1.3	3	3	0	0.0	2	2	0	0.5
lead articles	1	1	0	3.0	0	0	0	0.0	0	0	0	0.0
computer programs	1	1	0	2.0	1	1	0	0.0	2	2	0	6.0
laboratory notes	0	0	0	0.0	0	0	0	0.0	1	1	0	0.0
letters to the editor	3	3	0	0.0	2	2	0	0.0	0	0	0	0.0
teaching and education	0	0	0	0.0	0	0	0	0.0	1	1	0	1.0
addenda and errata	2	2	0	0.0	0	0	0	0.0	1	1	0	0.0
new commercial	0	0	0	0.0	1	0	1	0.0	2	0	2	0.0

products												
book reviews	2	0	2	0.0	0	0	0	0.0	0	0	0	0.0
international union of crystallography	1	0	1	0.0	1	0	1	0.0	2	1	1	0.0
current events	20	11	9	0.0	25	7	18	0.0	6	3	3	0.0
obituaries	0	0	0	0.0	2	2	0	0.0	0	0	0	0.0

## Highly cited papers

Journal of Synchrotron Radiation - 2001												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
2	0	322	short communications	26	3	<b>Newville, M.</b>	IFEFFIT : interactive XAFS analysis and FEFF fitting					
2	0	314	short communications	24	4	<b>Ravel, B.</b>	ATOMS: crystallography for the X-ray absorption spectroscopist					
5	0	1162	research papers	17	3	<b>Meneghini, C.</b> , Artioli, G., Balerna, A., Gualtieri, A.F., Norby, P., Mobilio, S.	Multipurpose imaging-plate camera for in situ powder XRD at the GILDA beamline					
2	0	55	research papers	13	1	<b>Thomas, J.M.</b> , Sankar, G.	The role of XAFS in the in situ and ex situ elucidation of active sites in designed solid catalysts					
2	0	569	short communications	12	0	<b>Yamashita, H.</b> , Harada, M., Misaka, J., Takeuchi, M., Ichihashi, Y., Goto, F., Ishida, M., Sasaki, T., Anpo, M.	Application of ion beam techniques for preparation of metal ion-implanted <a href="#">TiO2</a> thin film photocatalyst available under visible light irradiation: metal ion-implantation and ionized cluster beam method					

Journal of Synchrotron Radiation - 2002												
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title					
6	0	355	research papers	10	14	<b>Ravelli, R.B.G.</b> , Theveneau, P., <a href="#">McSweeney, S.</a> , Caffrey, M.	Unit-cell volume change as a metric of radiation damage in crystals of macromolecules Presented at the `Second International Workshop on Radiation Damage to Crystalline Biological Samples' held at Advanced Photon Source, Chicago, USA, in December 2001.					
6	0	361	research papers	8	6	<b>Snell, E.H.</b> , Judge, R.A., Larson, M., van der Woerd, M.J.	Seeing the heat - preliminary studies of cryocrystallography using infrared imaging Presented at the `Second International Workshop on Radiation Damage to Crystalline Biological Samples' held at Advanced Photon Source, Chicago, USA, in December 2001.					
3	0	182	research papers	8	1	<b>Kamijo, N.</b> , Suzuki, Y., Awaji, M., Takeuchi, A., Takano, H., Ninomiya, T., Tamura, S., Yasumoto, M.	Hard X-ray microbeam experiments with a sputtered-sliced Fresnel zone plate and its applications					
5	0	317	research papers	7	3	<b>Shastri, S.D.</b> , Fezzaa, K., Mashayekhi, A., Lee, W.-K., Fernandez, P.B., Lee, P.L.	Cryogenically cooled bent double-Laue monochromator for high-energy undulator X-rays (50-200 keV)					
5	0	313	research papers	7	1	<b>Yamauchi, K.</b> , Yamamura, K., Mimura, H., Sano, Y., Saito, A., Souvorov, A., Yabashi, M., Tamasaku, K., Ishikawa, T., Mori, Y.	Nearly diffraction-limited line focusing of a hard-X-ray beam with an elliptically figured mirror					

Journal of Synchrotron Radiation - 2003							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	51	research papers	19	6	<b>Benfatto, M.</b> , Della Longa, S., Natoli, C.R.	The MXAN procedure: a new method for analysing the XANES spectra of metalloproteins to obtain structural quantitative information
1	0	26	research papers	16	3	<b>Natoli, C.R.</b> , Benfatto, M., Della Longa, S., Hatada, K.	X-ray absorption spectroscopy: state-of-the-art analysis
1	0	23	research papers	13	3	<b>Winn, M.D.</b>	An overview of the CCP4 project in protein crystallography: an example of a collaborative project
1	0	16	research papers	13	3	<b>Ascone, I.</b> , Meyer-Klaucke, W., Murphy, L.	Experimental aspects of biological X-ray absorption spectroscopy
1	0	9	research papers	12	5	<b>Hasnain, S.S.</b> , Strange, R.W.	Marriage of XAFS and crystallography for structure-function studies of metalloproteins

Journal of Synchrotron Radiation - 2004							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
1	0	121	research papers	10	3	<b>Adachi, H.</b> , Takano, K., Matsumura, H., Inoue, T., Mori, Y., Sasaki, T.	Protein crystal growth with a two-liquid system and stirring solution
1	0	56	research papers	9	8	Morris, R.J., Zwart, P.H., Cohen, S., Fernandez, F.J., Kakaris, M., Kirillova, O., Vonrhein, C., <b>Perrakis, A.</b> , Lamzin, V.S.	Breaking good resolutions with ARP/wARP
3	0	239	research papers	6	1	<b>Marcus, M.A.</b> , <a href="#">MacDowell</a> , A.A., Celestre, R., Manceau, A., Miller, T., Padmore, H.A., Sublett, R.E.	Beamline 10.3.2 at ALS: a hard X-ray microprobe for environmental and materials sciences
1	0	1	research papers	5	5	<b>Helliwell, J.R.</b>	Overview and new developments in softer X-ray ( $2\text{\AA} < \lambda < 5\text{\AA}$ ) protein crystallography
4	0	328	research papers	4	1	<b>Knapp, M.</b> , Baecht, C., Ehrenberg, H., Fuess, H.	The synchrotron powder diffractometer at beamline B2 at HASYLAB/DESY: status and capabilities
5	0	423	research papers	4	0	<b>Mathon, O.</b> , Baudelet, F., Itie, J.-P., Pasternak, S., Polian, A., Pascarelli, S.	XMCD under pressure at the Fe K edge on the energy-dispersive beamline of the ESRF
1	0	49	research papers	4	4	<b>Terwilliger, T.</b>	SOLVE and RESOLVE: automated structure solution, density modification and model building
1	0	83	research papers	4	0	<b>Carragher, B.</b> , Fellmann, D., Guerra, F., Milligan, R.A., Mouche, F., Pulokas, J., Sheehan, B., Quispe, J., Suloway, C., Zhu, Y., Potter, C.S.	Rapid routine structure determination of macromolecular assemblies using electron microscopy: current progress and further challenges
3	0	278	research papers	3	2	<b>Ciatto, G.</b> , d'Acapito, F., Boscherini, F., Mobilio, S.	Treatment of EXAFS data taken in the fluorescence mode in non-linear conditions
1	0	97	research papers	3	0	<b>Moore, J.</b> , Abdul-Manan, N., Fejzo, J., Jacobs, M., Lepre, C., Peng, J., Xie, X.	Leveraging structural approaches: applications of NMR-based screening and X-ray crystallography for inhibitor design

Journal of Synchrotron Radiation - 2005							
Issue	Part	First page	Paper category	ISI citations	Total IUCr citations to date	Authors	Title
4	0	537	computer programs	12	0	<b>Ravel, B.</b> , Newville, M.	ATHENA, ARTEMIS, HEPHAESTUS: data analysis for X-ray absorption spectroscopy using IFEFFIT

3	0	268	research papers	7	6	Murray, J.W., Rudino-Pinera, E., Owen, R.L., Grininger, M., Ravelli, R.B.G., <b>Garman, E.F.</b>	Parameters affecting the X-ray dose absorbed by macromolecular crystals
1	0	19	research papers	6	2	<b>Scott, R.A.</b> , Shokes, J.E., Cosper, N.J., Jenney, F.E., Adams, M.W.W.	Bottlenecks and roadblocks in high-throughput XAS for structural genomics
4	0	455	research papers	6	0	Cianci, M., Antonyuk, S., Bliss, N., Bailey, M.W., Buffey, S.G., Cheung, K.C., Clarke, J.A., Derbyshire, G.E., Ellis, M.J., Enderby, M.J., Grant, A.F., Holbourn, M.P., Laundy, D., Nave, C., Ryder, R., Stephenson, P., Helliwell, J.R., <b>Hasnain, S.S.</b>	A high-throughput structural biology/proteomics beamline at the SRS on a new multipole wiggler
3	0	276	research papers	6	5	<b>Ravelli, R.B.G.</b> , Nanao, M.H., Lovering, A., White, S., <b>McSweeney, S.</b>	Phasing in the presence of radiation damage
2	0	241	research papers	5	1	<b>Coan, P.</b> , Pagot, E., Fiedler, S., Cloetens, P., Baruchel and, J., Bravin, A.	Phase-contrast X-ray imaging combining free space propagation and Bragg diffraction
2	0	177	research papers	5	0	<b>DeCamp</b> , M.F., <b>Reis, D.A.</b> , Fritz, D.M., Bucksbaum, P.H., Dufresne, E.M., Clarke, R.	X-ray synchrotron studies of ultrafast crystalline dynamics
3	0	318	research papers	5	4	Mhaisekar, A., <b>Kazmierczak, M.J.</b> , Banerjee, R.	Three-dimensional numerical analysis of convection and conduction cooling of spherical biocrystals with localized heating from synchrotron X-ray beams
1	0	35	research papers	4	0	<b>Haumann, M.</b> , Muller, C., Liebisch, P., Neisius, T., <b>Dau, H.</b>	A novel BioXAS technique with sub-millisecond time resolution to track oxidation state and structural changes at biological metal centers
3	0	354	research papers	4	0	Lonardelli, I., <b>Wenk, H.-R.</b> , Lutterotti, L., Goodwin, M.	Texture analysis from synchrotron diffraction images with the Rietveld method: dinosaur tendon and salmon scale
4	0	410	research papers	4	0	Djinovic Carugo, K., Helliwell, J.R., Stuhmann, H., <b>Weiss, M.S.</b>	Softer and soft X-rays in macromolecular crystallography
3	0	299	research papers	4	3	<b>Nave, C.</b> , Hill, M.A.	Will reduced radiation damage occur with very small crystals?