

John Helliwell

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

290
papers

5,841
citations

39
h-index

64
g-index

462
ext. papers

6,400
ext. citations

4.7
avg, IF

6.08
L-index

#	Paper	IF	Citations
290	6-Phosphogluconate dehydrogenase and its crystal structures.. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2022 , 78, 96-112	1.1	
289	Trends in coordination of rhenium organometallic complexes in the Protein Data Bank.. <i>IUCrJ</i> , 2022 , 9, 180-193	4.7	
288	Pre- and Post-publication Verification for Reproducible Data Mining in Macromolecular Crystallography.. <i>Methods in Molecular Biology</i> , 2022 , 2449, 235-261	1.4	0
287	The crystal structures of the enzyme hydroxymethylbilane synthase, also known as porphobilinogen deaminase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021 , 77, 388-398	1.1	1
286	Topical Reviews in Acta Crystallographica F Structural Biology Communications. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021 , 77, 385	1.1	
285	Joseph Yariv (1927-2021). <i>Journal of Applied Crystallography</i> , 2021 , 54, 1025-1026	3.8	
284	Combining X-rays, neutrons and electrons, and NMR, for precision and accuracy in structure-function studies. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021 , 77, 173-185	1.7	4
283	Triosephosphate isomerase: the perfect enzyme, but how does it work?. <i>IUCrJ</i> , 2021 , 8, 480-481	4.7	
282	X-ray crystallographic studies of RoAb13 bound to PIYDIN, a part of the N-terminal domain of C-C chemokine receptor 5. <i>IUCrJ</i> , 2021 , 8, 678-683	4.7	1
281	Analysis of insulin glulisine at the molecular level by X-ray crystallography and biophysical techniques. <i>Scientific Reports</i> , 2021 , 11, 1737	4.9	2
280	Weblinks for the Daresbury Laue software source code and information. Addendum. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 666-666	2.4	2
279	The Science of Science. By Dashun Wang and Albert-László Barabási. Cambridge University Press, 2021. Pp. 308. Hardback price GBP 64.99, ISBN 9781108492669. Paperback price GBP 22.99, ISBN 9781108716956.. <i>Journal of Applied Crystallography</i> , 2021 , 54, 715-717	3.8	
278	Respect the synchrotron beam strength: how to model it, measure it and mitigate it for various scientific fields. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 1275-1277	2.4	
277	What is the structural chemistry of the living organism at its temperature and pressure?. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020 , 76, 87-93	5.5	4
276	Being an Interdisciplinary Academic: How Institutions Shape University Careers. By Catherine Lyall. Palgrave Pivot, 2019. Pp. 154. Price EUR 51.99 (hardcover). ISBN 978-3-030-18658-6.. <i>Journal of Applied Crystallography</i> , 2020 , 53, 596-597	3.8	
275	When to Cross the Boundaries of Different Academic Disciplines 2020 , 127-131		
274	Fundamentals of neutron crystallography in structural biology. <i>Methods in Enzymology</i> , 2020 , 634, 1-19	1.7	2

273	How To Be a Better Scientist. By Andrew C. Johnson and John P. Sumpter. Taylor and Francis, 2018. Pp. 248. Price GBP 15.19 ISBN 9781138731295 (paperback), GBP 76.00 ISBN 9781138731219 (hardback), GBP 12.34 ISBN 9781315189079 (ebook).. <i>Journal of Applied Crystallography</i> , 2020 , 53, 863-864	3.8	78
272	FACT and FAIR with Big Data allows objectivity in science: The view of crystallography. <i>Structural Dynamics</i> , 2019 , 6, 054306	3.2	8
271	Formation of a highly dense tetra-rhenium cluster in a protein crystal and its implications in medical imaging. <i>IUCrJ</i> , 2019 , 6, 695-702	4.7	9
270	Why is interoperability between the two fields of chemical crystallography and protein crystallography so difficult?. <i>IUCrJ</i> , 2019 , 6, 788-793	4.7	5
269	Findable Accessible Interoperable Re-usable (FAIR) diffraction data are coming to protein crystallography. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019 , 75, 455-457	5.5	7
268	Bias in Science and Communication. A Field Guide. By Matthew Welsh. IOP Publishing, 2018. Pp. 177. ISBN 978-0-7503-1312-4.. <i>Journal of Applied Crystallography</i> , 2019 , 52, 914-915	3.8	
267	What Science Is and How It Really Works. By James C. Zimring. Cambridge University Press, 2019. Pp. 402. Price USD 25.99. Paperback ISBN 9781108701648.. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1240-1241	3.8	
266	Broader Impacts of Science on Society. By Bruce J. MacFadden. Cambridge University Press, 2019. Pp. 320. Price GBP 19.99 (paperback). ISBN 9781108434287.. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1464-1466	3.8	
265	Why Trust Science? By Naomi Oreskes. Princeton University Press, 2019. Pp. 376. Price USD 24.95, GBP 22.00 (hardback). ISBN 9780691179001, ebook ISBN 9780691189932.. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1461-1463	3.8	0
264	Light induced damage and repair in nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018 , 207, 389-408	3.6	
263	Photocrosslinking between nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018 , 207, 283-306	3.6	5
262	Light induced charge and energy transport in nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018 , 207, 153-180	3.6	0
261	Bionanophotonics: general discussion. <i>Faraday Discussions</i> , 2018 , 207, 491-512	3.6	
260	The Effective Scientist: A Handy Guide to a Successful Scientific Career. By Corey J. A. Bradshaw. Cambridge University Press, 2018. Paperback pp. xiv + 276. Price GBP 17.99 (paperback), 46.99 (hardback), 20.00 (ebook). ISBN 9781316779521.. <i>Journal of Applied Crystallography</i> , 2018 , 51, 1259-1261	3.8	
259	Scientific Leadership. By J. W. (Hans) Niemantsverdriet and Jan-Karel Felderhof. De Gruyter, 2017. Pp. xv+171. Price (paperback) EUR 29.95, USD 34.99, GBP 24.99. ISBN 978-3-11-046888-5.. <i>Journal of Applied Crystallography</i> , 2018 , 51, 564-566	3.8	1
258	Chlamydia protein Pgp3 studied at high resolution in a new crystal form. <i>IUCrJ</i> , 2018 , 5, 439-448	4.7	1
257	Managing Science: Developing your Research, Leadership and Management Skills. By Ken Peach. Oxford University Press, 2017. Pp. 288. Hardback Price GBP 25.49. ISBN 9780198796077.. <i>Journal of Applied Crystallography</i> , 2018 , 51, 1773-1776	3.8	
256	Because One Thing Leads to Another 2018 , 21-24		

- 255 Because We Wish to Develop Our Skills for a Better Future **2018**, 53-54
- 254 Because Sometimes We Have to Interrupt a Line of Research Investigation **2018**, 37-38
- 253 Because We Want to Tackle Adventurous Research **2018**, 39-40
- 252 Durward W. J. Cruickshank. 7 March 1924–13 July 2007. *Biographical Memoirs of Fellows of the Royal Society*, **2018**, 65, 71-87 0.1
- 251 Data science skills for referees: I biological X-ray crystallography. *Crystallography Reviews*, **2018**, 24, 263-272 6
- 250 X-ray Structure of the Carboplatin-Loaded Apo-Ferritin Nanocage. *ACS Medicinal Chemistry Letters*, **2017**, 8, 433-437 4.3 20
- 249 Concerning the measurement of charge density X-ray diffraction data at synchrotron sources: challenges and opportunities. *Crystallography Reviews*, **2017**, 23, 238-251 1.3 4
- 248 Principles and methods used to grow and optimize crystals of protein-metallo drug adducts, to determine metal binding sites and to assign metal ligands. *Metallomics*, **2017**, 9, 1534-1547 4.5 24
- 247 The science is in the data. *IUCrJ*, **2017**, 4, 714-722 4.7 17
- 246 New developments in crystallography: exploring its technology, methods and scope in the molecular biosciences. *Bioscience Reports*, **2017**, 37, 4.1 14
- 245 X-Ray Crystallography. Second Edition. By William Clegg. Oxford University Press, 2015. Pp. 128. Price GBP 14.99 (paperback). ISBN 9780198700975.. *Acta Crystallographica Section A: Foundations and Advances*, **2017**, 73, 83-84 1.7
- 244 Raw diffraction data preservation and reuse: overview, update on practicalities and metadata requirements. *IUCrJ*, **2017**, 4, 87-99 4.7 24
- 243 New leads for fragment-based design of rhenium/technetium radiopharmaceutical agents. *IUCrJ*, **2017**, 4, 283-290 4.7 20
- 242 Crystallography and Databases. *Data Science Journal*, **2017**, 16, 2 18
- 241 Safeguarding Structural Data Repositories against Bad Apples. *Structure*, **2016**, 24, 216-20 5.2 29
- 240 How to Lead Your Research Community as an Instrument Scientist **2016**, 137-141
- 239 How to Publish One's Results **2016**, 33-38
- 238 How Do You Know If You Really Want to Be Head of a Department **2016**, 129-131

237	How to Write a Successful Grant Proposal 2016 , 19-21		
236	How to Coexist with Competitors 2016 , 59-61		
235	Comment on "Structural dynamics of cisplatin binding to histidine in a protein" [Struct. Dyn. 1, 034701 (2014)]. <i>Structural Dynamics</i> , 2016 , 3, 037101	3.2	6
234	Correcting the record of structural publications requires joint effort of the community and journal editors. <i>FEBS Journal</i> , 2016 , 283, 4452-4457	5.7	24
233	Crystallographic raw data, education and refereeing. <i>Postepy Biochemii</i> , 2016 , 62, 257-261	0	
232	Online_DPI: a web server to calculate the diffraction precision index for a protein structure. <i>Journal of Applied Crystallography</i> , 2015 , 48, 939-942	3.8	51
231	X-ray diffraction in temporally and spatially resolved biomolecular science. <i>Faraday Discussions</i> , 2015 , 177, 429-41	3.6	2
230	Time and Space resolved Methods: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 263-92	3.6	1
229	On the origin and variation of colors in lobster carapace. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16723-32	3.6	26
228	Future challenges: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 517-45	3.6	3
227	Dynamics of chemical bond: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 121-54	3.6	8
226	Biology with Free-Electron X-ray Lasers: Papers of a Discussion Meeting Issue, Philos. Trans. R. Soc. B, 17 July 2014, Vol. 369, No. 1647, edited by John C. H. Spence and Henry N. Chapman. London: The Royal Society. <i>Journal of Synchrotron Radiation</i> , 2015 , 22, 191-192	2.4	
225	Local and Global Dynamics: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 381-403	3.6	
224	Response from Tanley et al. to Crystallography and chemistry should always go together: a cautionary tale of protein complexes with cisplatin and carboplatin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 1982-3		9
223	Synchrotron radiation macromolecular crystallography: science and spin-offs. <i>IUCrJ</i> , 2015 , 2, 283-91	4.7	29
222	Extensive counter-ion interactions seen at the surface of subtilisin in an aqueous medium. <i>RSC Advances</i> , 2014 , 4, 36771-36776	3.7	3
221	Resonant elastic X-ray scattering in life science, chemistry and materials science; recent developments. <i>Journal of Physics: Conference Series</i> , 2014 , 519, 012002	0.3	1
220	Structural dynamics of cisplatin binding to histidine in a protein. <i>Structural Dynamics</i> , 2014 , 1, 034701	3.2	14

219	Experiences with making diffraction image data available: what metadata do we need to archive?. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2502-9		19
218	Do we see what we should see? Describing non-covalent interactions in protein structures including precision. <i>IUCrJ</i> , 2014 , 1, 74-81	4-7	43
217	Early Days of X-ray Crystallography. By André Authier. International Union of Crystallography/Oxford University Press, 2013. Pp. xiv + 441. Price (hardcover) GBP 45.00. ISBN 978-0-19-965984-5.. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014 , 70, 92-94	1.7	2
216	Carboplatin binding to histidine. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1135-42	1.1	31
215	Chemical conversion of cisplatin and carboplatin with histidine in a model protein crystallized under sodium iodide conditions. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1127-31	1.1	16
214	The binding of platinum hexahalides (Cl, Br and I) to hen egg-white lysozyme and the chemical transformation of the PtI ₆ octahedral complex to a PtI ₃ moiety bound to His15. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1132-4	1.1	11
213	Radioactive waste limits in cement to avoid leaching out. <i>Journal of Applied Crystallography</i> , 2014 , 47, 4-5	3.8	2
212	Honouring the two Braggs: the first X-ray crystal structure and the first X-ray spectrometer. <i>Crystallography Reviews</i> , 2013 , 19, 108-116	1.3	5
211	Biochemistry. How to solve protein structures with an X-ray laser. <i>Science</i> , 2013 , 339, 146-7	33.3	12
210	The crystal structure analysis of the relative binding of cisplatin and carboplatin in a mixture with histidine in a protein studied at 100 and 300 K with repeated X-ray irradiation. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 121-5		33
209	Experience with exchange and archiving of raw data: comparison of data from two diffractometers and four software packages on a series of lysozyme crystals. <i>Journal of Applied Crystallography</i> , 2013 , 46, 108-119	3.8	24
208	Roger Fourme (1942-2012). <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 390-2	2.4	1
207	Experiences with archived raw diffraction images data: capturing cisplatin after chemical conversion of carboplatin in high salt conditions for a protein crystal. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 880-3	2.4	21
206	Diffraction structural biology - a new horizon. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 819	2.4	
205	X-ray scattering of the Pt hexahalides of Cl, Br and I and Ta ₆ Br ₁₂ for XFEL. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013 , 69, s144-s144		4
204	Structural studies of the effect that dimethyl sulfoxide (DMSO) has on cisplatin and carboplatin binding to histidine in a protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012 , 68, 601-12		54
203	Protonation-state determination in proteins using high-resolution X-ray crystallography: effects of resolution and completeness. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012 , 68, 800-9		36
202	Interaction of counterions with subtilisin in acetonitrile: insights from molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5838-48	3.4	7

201	Resonant elastic X-ray scattering in chemistry and materials science. <i>European Physical Journal: Special Topics</i> , 2012 , 208, 245-257	2.3	2
200	Room-temperature X-ray diffraction studies of cisplatin and carboplatin binding to His15 of HEWL after prolonged chemical exposure. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1300-6		35
199	Some historical extracts relevant to the discovery and application of the diffraction of X-rays by crystals to contribute to the Centennial celebration and the International Year of Crystallography. <i>Crystallography Reviews</i> , 2012 , 18, 3-19	1.3	6
198	The evolution of synchrotron radiation and the growth of its importance in crystallography. <i>Crystallography Reviews</i> , 2012 , 18, 33-93	1.3	9
197	The centennial of the first X-ray crystal structures. <i>Crystallography Reviews</i> , 2012 , 18, 280-297	1.3	3
196	My life in diffraction: an autobiographical review by George E. Bacon. <i>Crystallography Reviews</i> , 2012 , 18, 97-180	1.3	
195	Deriving the ultrastructure of β -crustacyanin using lower-resolution structural and biophysical methods. <i>Journal of Synchrotron Radiation</i> , 2011 , 18, 79-83	2.4	9
194	Diffraction structural biology—introductory overview. <i>Journal of Synchrotron Radiation</i> , 2011 , 18, 1	2.4	4
193	The record of experimental science: Archiving data with literature*. <i>Information Services and Use</i> , 2010 , 30, 31-37	0.5	1
192	Macromolecular Crystallization and Crystal Perfection 2010 ,		32
191	The structural chemistry and structural biology of colouration in marine crustacea. <i>Crystallography Reviews</i> , 2010 , 16, 231-242	1.3	12
190	X-ray crystal structure and time-resolved spectroscopy of the blue carotenoid violerythrin. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8760-9	3.4	17
189	Crystallographic analysis of counterion effects on subtilisin enzymatic action in acetonitrile. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2293-300	16.4	9
188	Time-dependent analysis of K ₂ PtBr ₆ binding to lysozyme studied by protein powder and single crystal X-ray analysis. <i>Zeitschrift für Kristallographie</i> , 2010 , 225, 570-575		10
187	Determination of zinc incorporation in the Zn-substituted gallophosphate ZnULM-5 by multiple wavelength anomalous dispersion techniques. <i>Acta Crystallographica Section B: Structural Science</i> , 2010 , 66, 345-57		12
186	Practical methods of crystallization 2010 , 24-28		3
185	An evaluation review of the prediction of protonation states in proteins versus crystallographic experiment. <i>Crystallography Reviews</i> , 2009 , 15, 231-259	1.3	19
184	SRS Highlights Presented at British Association Festival of Science. <i>Synchrotron Radiation News</i> , 2009 , 22, 10-12	0.6	1

- 183 X-ray crystal structures of diacetates of 6-s-cis and 6-s-trans astaxanthin and of 7,8-didehydroastaxanthin and 7,8,7',8'-tetrahydroastaxanthin: comparison with free and protein-bound astaxanthins. *Acta Crystallographica Section B: Structural Science*, **2009**, 65, 238-47 13
- 182 Macromolecular crystal twinning, lattice disorders and multiple crystals [View all notes](#). *Crystallography Reviews*, **2008**, 14, 189-250 1.3 26
- 181 Carotenoid-Protein Interactions **2008**, 99-118 11
- 180 Crystal structure of the C1 domain of cardiac myosin binding protein-C: implications for hypertrophic cardiomyopathy. *Journal of Molecular Biology*, **2008**, 378, 387-97 6.5 32
- 179 X-ray Crystallography of Biomacromolecules: A Practical Guide by Albrecht Messerschmidt. *Crystallography Reviews*, **2008**, 14, 257-258 1.3
- 178 Meeting report of the BCA25th Annual Meeting held at the University of Kent in Canterbury, UK, 16-19 April 2007. *Crystallography Reviews*, **2008**, 14, 91-95 1.3
- 177 Integrating research articles and supporting data in crystallography. *Learned Publishing*, **2008**, 21, 63-72 1.8 4
- 176 An investigation into structural changes due to deuteration. *Acta Crystallographica Section A: Foundations and Advances*, **2008**, 64, 359-67 33
- 175 An investigation into the protonation states of the C1 domain of cardiac myosin-binding protein C. *Acta Crystallographica Section D: Biological Crystallography*, **2008**, 64, 658-64 14
- 174 The interdependence of wavelength, redundancy and dose in sulfur SAD experiments. *Acta Crystallographica Section D: Biological Crystallography*, **2008**, 64, 1196-209 40
- 173 Science experiments via telepresence at a synchrotron radiation source facility. *Journal of Synchrotron Radiation*, **2008**, 15, 191-4 2.4 6
- 172 Unravelling the Chemical Basis of the Bathochromic Shift of the Lobster Carapace Carotenoprotein Crustacyanin **2008**, 193-208 1
- 171 Durward William John Cruickshank (1924-2007). *Acta Crystallographica Section A: Foundations and Advances*, **2007**, 63, 375-9
- 170 Unravelling the chemical basis of the bathochromic shift in the lobster carapace; new crystal structures of unbound astaxanthin, canthaxanthin and zeaxanthin. *Acta Crystallographica Section B: Structural Science*, **2007**, 63, 328-37 38
- 169 The determination of protonation states in proteins. *Acta Crystallographica Section D: Biological Crystallography*, **2007**, 63, 906-22 57
- 168 Interdisciplinary research could pull cash into science. *Nature*, **2007**, 448, 533 50.4 3
- 167 Classification of experimental techniques **2006**, 24-25
- 166 Single-crystal X-ray techniques **2006**, 26-41 2

165	Crystal structure of peach Pru p 3, the prototypic member of the family of plant non-specific lipid transfer protein pan-allergens. <i>Journal of Molecular Biology</i> , 2006 , 356, 684-94	6.5	103
164	Synchrotron-radiation instrumentation, methods and scientific utilization 2006 , 155-166		2
163	The role of quality in providing seamless access to information and data in e-science; the experience gained in crystallography. <i>Information Services and Use</i> , 2006 , 26, 45-55	0.5	6
162	Neutron Protein Crystallography: Technical Aspects and Some Case Studies at Current Capabilities and Beyond 2006 , 63-72		
161	Abinitio structure determination using dispersive differences from multiple-wavelength synchrotron-radiation powder diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005 , 61, 568-74		7
160	Protein crystal perfection and its application. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005 , 61, 793-8		12
159	Softer and soft X-rays in macromolecular crystallography. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 410-9	2.4	29
158	Report of the Working Group on Synchrotron Radiation Nomenclature - brightness, spectral brightness or brilliance?. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 385	2.4	23
157	A high-throughput structural biology/proteomics beamline at the SRS on a new multipole wiggler. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 455-66	2.4	29
156	Macromolecular crystallization in microgravity. <i>Reports on Progress in Physics</i> , 2005 , 68, 799-853	14.4	77
155	Anomalous scattering in structural chemistry and biology¶View all notes. <i>Crystallography Reviews</i> , 2005 , 11, 245-335	1.3	36
154	Structure and interactions in simple solutions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1167-79; discussion 1179-80	5.8	8
153	The 15-K neutron structure of saccharide-free concanavalin A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 16405-10	11.5	64
152	The structure and refinement of apocrustacyanin C2 to 1.3 Å resolution and the search for differences between this protein and the homologous apoproteins A1 and C1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 493-8		7
151	Overview and new developments in softer X-ray (2A <i>Journal of Synchrotron Radiation</i> , 2004 , 11, 1-3	2.4	13
150	The role of wavelength and source in the search for sulfur-atom positions evaluated in two case studies: lysozyme at room temperature and cryo apocrustacyanin A1. <i>Journal of Applied Crystallography</i> , 2004 , 37, 555-564	3.8	5
149	Synchrotron and neutron techniques in biological crystallography. <i>Chemical Society Reviews</i> , 2004 , 33, 548-57	58.5	21
148	Protein hydration dynamics in solution: a critical survey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1207-23; discussion 1223-4, 1323-8	5.8	419

147	S-SWAT (softer single-wavelength anomalous technique): potential in high-throughput protein crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2003 , 59, 327-34		17
146	The properties of (2Fo - Fc) and (Fo - Fc) electron-density maps at medium-to-high resolutions. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 843-9		5
145	Apocrustacyanin C(1) crystals grown in space and on earth using vapour-diffusion geometry: protein structure refinements and electron-density map comparisons. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 1117-23		9
144	Unravelling the structural chemistry of the colouration mechanism in lobster shell. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 2072-82		43
143	Time-resolved and static-ensemble structural chemistry of hydroxymethylbilane synthase. <i>Faraday Discussions</i> , 2003 , 122, 131-44; discussion 171-90	3.6	20
142	Spoilt for choice: protein target selection in a time of plenty. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 875-7		2
141	Large area high-resolution CCD-based X-ray detector for macromolecular crystallography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 477, 166-171	1.2	3
140	Microgravity protein crystallization: are we reaping the full benefit of outer space?. <i>Annals of the New York Academy of Sciences</i> , 2002 , 974, 591-7	6.5	9
139	New opportunities in biological and chemical crystallography. <i>Journal of Synchrotron Radiation</i> , 2002 , 9, 1-8	2.4	3
138	The molecular basis of the coloration mechanism in lobster shell: beta-crustacyanin at 3.2-Å resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 9795-800	11.5	143
137	X-ray Crystal Structure Analysis in Manchester: from W L Bragg to the Present Day. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2002 , 217, 385-389	1	4
136	Ultrafast electron diffraction shapes up. <i>Physics World</i> , 2001 , 14, 25-25	0.5	4
135	Neutron Laue diffraction experiments on a large unit cell: concanavalin A complexed with methyl- β -glucopyranoside. <i>Journal of Applied Crystallography</i> , 2001 , 34, 454-457	3.8	5
134	Structure of lobster apocrustacyanin A1 using softer X-rays. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 1219-29		30
133	The combination of molecular dynamics with crystallography for elucidating protein-ligand interactions: a case study involving peanut lectin complexes with T-antigen and lactose. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 1584-94		13
132	The 1.2 Å resolution structure of the Con A-dimannose complex. <i>Journal of Molecular Biology</i> , 2001 , 310, 875-84	6.5	39
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130	Synchrotron X-ray reciprocal-space mapping, topography and diffraction resolution studies of macromolecular crystal quality. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000 , 56, 868-80		29

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