

Philip Coppens

List of Publications by Year in descending order

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162
papers

9,685
citations

26567

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91
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165
all docs

165
docs citations

165
times ranked

5580
citing authors

#	ARTICLE	IF	CITATIONS
1	The dramatic development of X-ray photocrystallography over the past six decades. <i>Structural Dynamics</i> , 2017, 4, 032102.	0.9	13
2	Exploring the structural changes on excitation of a luminescent organic bromine-substituted complex by in-house time-resolved pump-probe diffraction. <i>Structural Dynamics</i> , 2017, 4, 024501.	0.9	7
3	Reply To: How Does Substitutional Doping Affect Visible Light Absorption in a Series of Homodisperse Ti_{11} Polyoxotitanate Nanoparticles? A Comment on the Band Gap Determination of the Fe_{11} Cages. <i>Chemistry - A European Journal</i> , 2016, 22, 4634-4636.	1.7	0
4	Hot Hole Hopping in a Polyoxotitanate Cluster Terminated with Catechol Electron Donors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20006-20015.	1.5	14
5	Analysis of multicrystal pump-probe data sets. II. Scaling of ratio data sets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, 250-260.	0.0	4
6	Can we deconvolute electron density changes from the dominant influence of the atomic rearrangement on molecular excitation in time-resolved diffraction studies?. <i>Physica Scripta</i> , 2016, 91, 023003.	1.2	5
7	Linkage Isomerization in Nitrosothiols (RSNOs): The X-ray Crystal Structure of an <i>S</i> -nitrosocysteine and DFT Analysis of its Metastable MS_1 and MS_2 Isomers. <i>Comments on Inorganic Chemistry</i> , 2016, 36, 81-91.	3.0	5
8	How Does Substitutional Doping Affect Visible Light Absorption in a Series of Homodisperse Ti_{11} Polyoxotitanate Nanoparticles?. <i>Chemistry - A European Journal</i> , 2015, 21, 11538-11544.	1.7	39
9	On the scaling of multicrystal data sets collected at high-intensity X-ray and electron sources. <i>Structural Dynamics</i> , 2015, 2, 064101.	0.9	4
10	Perspective: On the relevance of slower-than-femtosecond time scales in chemical structural-dynamics studies. <i>Structural Dynamics</i> , 2015, 2, 020901.	0.9	8
11	New methods in time-resolved Laue pump-probe crystallography at synchrotron sources. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 280-287.	1.0	16
12	The old and the new: my participation in the development of chemical crystallography during 50+ years. <i>Physica Scripta</i> , 2015, 90, 058001.	1.2	5
13	Six questions on topology in theoretical chemistry. <i>Computational and Theoretical Chemistry</i> , 2015, 1053, 2-16.	1.1	99
14	On the assessment of time-resolved diffraction results. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 291-299.	0.0	18
15	Analysis of multicrystal pump-probe data sets. I. Expressions for the RATIO model. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 514-517.	0.0	6
16	A novel manganese-doped large polyoxotitanate nanocluster. <i>Dalton Transactions</i> , 2014, 43, 3839-3841.	1.6	31
17	Photoelectrochemical Hole Injection Revealed in Polyoxotitanate Nanocrystals Functionalized with Organic Adsorbates. <i>Journal of the American Chemical Society</i> , 2014, 136, 16420-16429.	6.6	67
18	Relating structure and photoelectrochemical properties: electron injection by structurally and theoretically characterized transition metal-doped phenanthroline-polyoxotitanate nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15792-15795.	1.3	35

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19	Shedding Light on the Photochemistry of Coinage-Metal Phosphorescent Materials: A Time-Resolved Laue Diffraction Study of an Ag ^I ⋅Cu ^I Tetranuclear Complex. <i>Inorganic Chemistry</i> , 2014, 53, 10594-10601.	1.9	27
20	Crystallography and Properties of Polyoxotitanate Nanoclusters. <i>Chemical Reviews</i> , 2014, 114, 9645-9661.	23.0	256
21	A Large Manganese-doped Polyoxotitanate Nanocluster: Ti ₁₄ MnO ₁₄ (OH) ₂ (OEt) ₂₈ . <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 887-890.	0.8	25
22	A manganese-doped polymeric framework of polyoxotitanate nanoclusters with a narrow band gap. <i>Dalton Transactions</i> , 2013, 42, 15285.	1.6	17
23	Nanosized Alkali-Metal-Doped Ethoxotitanate Clusters. <i>Inorganic Chemistry</i> , 2013, 52, 4750-4752.	1.9	29
24	On the Biexponential Decay of the Photoluminescence of the Two Crystallographically-Independent Molecules in Crystals of [Cu(I)(phen)(PPh ₃) ₂][BF ₄]. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 579-582.	2.1	25
25	Excitons and Excess Electrons in Nanometer Size Molecular Polyoxotitanate Clusters: Electronic Spectra, Exciton Dynamics, and Surface States. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4422-4430.	1.2	11
26	Direct Observation of the Binding Mode of the Phosphonate Anchor to Nanosized Polyoxotitanate Clusters. <i>Chemistry - A European Journal</i> , 2013, 19, 16651-16655.	1.7	34
27	Interfacial Electron Transfer into Functionalized Crystalline Polyoxotitanate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 8911-8917.	6.6	72
28	Restricted Photochemistry in the Molecular Solid State: Structural Changes on Photoexcitation of Cu(I) Phenanthroline Metal-to-Ligand Charge Transfer (MLCT) Complexes by Time-Resolved Diffraction. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3359-3365.	1.1	60
29	Binding Modes of Carboxylate- and Acetylacetonate-Linked Chromophores to Homodisperse Polyoxotitanate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 11695-11700.	6.6	129
30	Ultrafast spin-state photoswitching in a crystal and slower consecutive processes investigated by femtosecond optical spectroscopy and picosecond X-ray diffraction. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6192.	1.3	79
31	TheLaueUtiltoolkit for Laue photocrystallography. II. Spot finding and integration. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 637-646.	1.0	17
32	Time-resolved Laue diffraction of excited species at atomic resolution: 100 ps single-pulse diffraction of the excited state of the organometallic complex Rh ₂ (η^4 -PNP) ₂ (PNP) ₂ ⋅BPh ₄ . <i>Chemical Communications</i> , 2011, 47, 1704.	2.2	26
33	Molecular Excited-State Structure by Time-Resolved Pump-Probe X-ray Diffraction. What Is New and What Are the Prospects for Further Progress?. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 616-621.	2.1	36
34	The development of Laue techniques for single-pulse diffraction of chemical complexes: time-resolved Laue diffraction on a binuclear rhodium metal-organic complex. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, 319-326.	0.3	37
35	"LASER" a program for response-ratio refinement of time-resolved diffraction data. <i>Journal of Applied Crystallography</i> , 2010, 43, 1129-1130.	1.9	25
36	Time-resolved synchrotron diffraction and theoretical studies of very short-lived photo-induced molecular species. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, 179-188.	0.3	42

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37	On factors for dynamic structure crystallography. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, 626-628.	0.3	13
38	Optimizing the accuracy and precision of the single-pulse Laue technique for synchrotron photo-crystallography. Journal of Synchrotron Radiation, 2010, 17, 479-485.	1.0	13
39	The Crystalline Nanocluster Phase as a Medium for Structural and Spectroscopic Studies of Light Absorption of Photosensitizer Dyes on Semiconductor Surfaces. Journal of the American Chemical Society, 2010, 132, 2938-2944.	6.6	153
40	Large Polyoxotitanate Clusters: Well-Defined Models for Pure-Phase TiO ₂ Structures and Surfaces. Journal of the American Chemical Society, 2010, 132, 13669-13671.	6.6	117
41	Constrained Excited-State Structure in Molecular Crystals by Means of the QM/MM Approach: Toward the Prediction of Photocrystallographic Results. Journal of Physical Chemistry Letters, 2010, 1, 2349-2353.	2.1	25
42	The New Photocrystallography. Angewandte Chemie - International Edition, 2009, 48, 4280-4281.	7.2	34
43	Combining crystallographic information and an aspherical-atom data bank in the evaluation of the electrostatic interaction energy in an enzyme-substrate complex: influenza neuraminidase inhibition. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 485-499.	2.5	42
44	The RATIO method for time-resolved Laue crystallography. Journal of Synchrotron Radiation, 2009, 16, 226-230.	1.0	45
45	Kinetics of the Single-Crystal to Single-Crystal Two-Photon Photodimerization of <i>trans</i> -Cinnamic Acid to <i>trans</i> -Truxillic Acid. Journal of Physical Chemistry A, 2009, 113, 3116-3120.	1.1	85
46	Capturing and Analyzing the Excited-State Structure of a Cu(I) Phenanthroline Complex by Time-Resolved Diffraction and Theoretical Calculations. Journal of the American Chemical Society, 2009, 131, 6566-6573.	6.6	123
47	Charge Density Analysis of the C ⁺ Ti Agostic Interactions in a Titanacyclobutane Complex. Journal of the American Chemical Society, 2009, 131, 6154-6160.	6.6	43
48	Ligand-Tuning of the Excitation Wavelength of a Solid state E/Z Isomerization: [Zn(TA) ₂ (2,2'-bipyridyl)] in a Supramolecular Framework. Journal of the Chinese Chemical Society, 2009, 56, 16-21.	0.8	1
49	Static and time-resolved photocrystallographic studies in supramolecular solids. Zeitschrift Fur Kristallographie - Crystalline Materials, 2008, 223, 265-271.	0.4	20
50	A Phase Transition Hidden in Higher Dimensions. Science, 2008, 319, 41-42.	6.0	1
51	A Theoretical Databank of Transferable Aspherical Atoms and Its Application to Electrostatic Interaction Energy Calculations of Macromolecules. Journal of Chemical Theory and Computation, 2007, 3, 232-247.	2.3	134
52	The Nature of the Ag ^I ...Ag ^I Interaction in Different Ag(NH ₃) ₂ Dimers Embedded in Supramolecular Solids. Chemistry - A European Journal, 2007, 13, 8583-8590.	1.7	28
53	Improving the scattering-factor formalism in protein refinement: application of the University at Buffalo Aspherical-Atom Databank to polypeptide structures. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 160-170.	2.5	63
54	Experimental and Density Functional Theoretical Investigations of Linkage Isomerism in Six-Coordinate {FeNO} Iron Porphyrins with Axial Nitrosyl and Nitro Ligands. Journal of the American Chemical Society, 2006, 128, 2093-2104.	6.6	74

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55	Dependence of the Intermolecular Electrostatic Interaction Energy on the Level of Theory and the Basis Set. <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 81-89.	2.3	36
56	Supramolecular solids and time-resolved diffraction. <i>CrystEngComm</i> , 2006, 8, 735.	1.3	31
57	Ligand-unsupported Au(I) chains with short Au(I)–Au(I) contacts. <i>Chemical Communications</i> , 2006, , 3711-3713.	2.2	26
58	Effect of the Environment on Molecular Properties: Synthesis, Structure, and Photoluminescence of Cu(I) Bis(2,9-dimethyl-1,10-phenanthroline) Nanoclusters in Eight Different Supramolecular Frameworks. <i>Inorganic Chemistry</i> , 2006, 45, 9281-9289.	1.9	39
59	Trinuclear Gold(I) Triazolates: A New Class of Wide-Band Phosphors and Sensors. <i>Inorganic Chemistry</i> , 2006, 45, 6592-6594.	1.9	70
60	Finding optimal radial-function parameters for S atoms in the Hansen–Coppens multipole model through refinement of theoretical densities. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, 224-227.	0.3	32
61	Interaction energies between glycopeptide antibiotics and substrates in complexes determined by X-ray crystallography: application of a theoretical databank of aspherical atoms and a symmetry-adapted perturbation theory-based set of interatomic potentials. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 639-647.	2.5	31
62	The use of synchrotron radiation in X-ray charge density analysis of coordination complexes. <i>Coordination Chemistry Reviews</i> , 2005, 249, 179-195.	9.5	63
63	Charge Densities Come of Age. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6810-6811.	7.2	110
64	Syntheses, Structures, Photoluminescence and Theoretical Studies of Xanthone in Crystalline Resorcinarene-Based Inclusion Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 3583-3590.	1.7	24
65	Photoinduced Oxygen Transfer and Double-Linkage Isomerism in acis-(NO)(NO ₂) Transition-Metal Complex by Photocrystallography, FT-IR Spectroscopy and DFT Calculations. <i>Chemistry - A European Journal</i> , 2005, 11, 7254-7264.	1.7	71
66	Two novel bis(2,9-dimethyl-1,10-phenanthroline)copper(I) complexes: [Cu(dmp) ₂] ₂ (PF ₆) ₂ ·0.5(bpmh)·CH ₃ CN and [Cu(dmp) ₂][N(CN) ₂]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, m329-m332.	0.4	12
67	The structure of short-lived excited states of molecular complexes by time-resolved X-ray diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, 162-172.	0.3	89
68	On the refinement of time-resolved diffraction data: comparison of the random-distribution and cluster-formation models and analysis of the light-induced increase in the atomic displacement parameters. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 488-493.	1.0	34
69	A fast mechanical shutter for submicrosecond time-resolved synchrotron experiments. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 665-669.	1.0	46
70	DFT calculations of light-induced excited states and comparison with time-resolved crystallographic results. <i>International Journal of Quantum Chemistry</i> , 2005, 101, 611-623.	1.0	13
71	Shedding Light on the Structure of a Photoinduced Transient Excimer by Time-Resolved Diffraction. <i>Physical Review Letters</i> , 2005, 94, 193003.	2.9	96
72	Synthesis, crystal structure and photoconductivity of the first [60]fullerene complex with metal diethyldithiocarbamate: {CuII(dedtc) ₂ } ₂ ·C ₆₀ . <i>Dalton Transactions</i> , 2005, , 1821.	1.6	20

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73	Emission quenching of photoactive molecules embedded in supramolecular solids: Synthesis, structure and photoluminescence studies of benzil in a CMCr-based inclusion complex with a saturated linker molecule. <i>CrystEngComm</i> , 2005, 7, 289.	1.3	20
74	New Molecular Complex of Fullerene C60 with Porphyrin Dimer [FeTPP]2O: Synthesis and Crystal Structure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 12, 215-219.	1.0	2
75	Luminescence Quenching and Energy Transfer in Supramolecular Solids. <i>Crystal Growth and Design</i> , 2005, 5, 2050-2059.	1.4	29
76	[60]Fullerene Complexes with Supramolecular Zinc Tetraphenylporphyrin Assemblies: Synthesis, Crystal Structures, and Optical Properties. <i>Crystal Growth and Design</i> , 2005, 5, 1807-1819.	1.4	53
77	Drug-substrate interactions from a theory-based databank of transferable pseudoatoms and potential curves derived from advanced theoretical calculations.. <i>Nihon Kessho Gakkaishi</i> , 2005, 47, 1-2.	0.0	0
78	The interplay between experiment and theory in charge-density analysis. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, 357-364.	0.3	69
79	Response to the paper A comparison between experimental and theoretical aspherical-atom scattering factors for charge-density refinement of large molecules, by Pichon-Pesme, Jelsch, Guillot & Lecomte (2004). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, 638-639.	0.3	25
80	Calculation of electrostatic interaction energies in molecular dimers from atomic multipole moments obtained by different methods of electron density partitioning. <i>Journal of Computational Chemistry</i> , 2004, 25, 921-934.	1.5	87
81	Combination of the exact potential and multipole methods (EP/MM) for evaluation of intermolecular electrostatic interaction energies with pseudoatom representation of molecular electron densities. <i>Chemical Physics Letters</i> , 2004, 391, 170-175.	1.2	106
82	A very large Rh-Rh bond shortening on excitation of the [Rh2(1,8-diisocyano-p-menthane)4]2+ ion by time-resolved synchrotron X-ray diffraction. <i>Chemical Communications</i> , 2004, , 2144-2145.	2.2	66
83	Geometry Changes of a Cu(I) Phenanthroline Complex on Photoexcitation in a Confining Medium by Time-Resolved X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 2004, 126, 5980-5981.	6.6	77
84	Symmetry Mismatching as a Tool in the Synthesis of Complex Supramolecular Solids with Multiple Cavities. <i>Crystal Growth and Design</i> , 2004, 4, 211-213.	1.4	15
85	Variable Conformation of Benzophenone in a Series of Resorcinarene-Based Supramolecular Frameworks. <i>Crystal Growth and Design</i> , 2004, 4, 1377-1385.	1.4	40
86	Single- and Double-Linkage Isomerism in a Six-Coordinate Iron Porphyrin Containing Nitrosyl and Nitro Ligands. <i>Journal of the American Chemical Society</i> , 2004, 126, 7180-7181.	6.6	47
87	Cu(I)(2,9-Bis(trifluoromethyl)-1,10-phenanthroline)2+ Complexes: Correlation between Solid-State Structure and Photoluminescent Properties. <i>Inorganic Chemistry</i> , 2004, 43, 8282-8289.	1.9	48
88	Ab Initio Quality Electrostatic Atomic and Molecular Properties Including Intermolecular Energies from a Transferable Theoretical Pseudoatom Databank. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4283-4300.	1.1	164
89	Synthesis and crystal structure of a new supramolecular complex: [(ZnTPP)2Prz]·C60·5.34C7H8·0.66C6H5CN. <i>CrystEngComm</i> , 2003, 5, 137-139.	1.3	13
90	Synthesis, Crystal Structure, and Optical Properties of a New Molecular Complex of C60 with a Covalently Linked (FeIIITPP)2O Dimer. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 3914-3917.	1.0	12

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91	Light-Induced Metastable Linkage Isomers of Ruthenium Sulfur Dioxide Complexes.. ChemInform, 2003, 34, no.	0.1	0
92	Theoretical Analysis of the Triplet Excited State of the [Pt2(H2P2O5)4]4- Ion and Comparison with Time-Resolved X-Ray and Spectroscopic Results. ChemInform, 2003, 34, no.	0.1	0
93	Light-Induced Metastable Linkage Isomers of Ruthenium Sulfur Dioxide Complexes. Inorganic Chemistry, 2003, 42, 140-147.	1.9	105
94	Solid-State Structure Dependence of the Molecular Distortion and Spectroscopic Properties of the Cu(I) Bis(2,9-dimethyl-1,10-phenanthroline) Ion. Inorganic Chemistry, 2003, 42, 8794-8802.	1.9	73
95	MLCT State Structure and Dynamics of a Copper(I) Diimine Complex Characterized by Pump-Probe X-ray and Laser Spectroscopies and DFT Calculations. Journal of the American Chemical Society, 2003, 125, 7022-7034.	6.6	313
96	Theoretical Analysis of the Triplet Excited State of the [Pt2(H2P2O5)4]4-Ion and Comparison with Time-Resolved X-ray and Spectroscopic Results. Journal of the American Chemical Society, 2003, 125, 1079-1087.	6.6	174
97	What can time-resolved diffraction tell us about transient species?: excited-state structure determination at atomic resolution. Chemical Communications, 2003, , 1317-1320.	2.2	59
98	Introductory Lecture. Faraday Discussions, 2003, 122, 1-12.	1.6	23
99	Time-resolved capabilities at the advanced photon source. Synchrotron Radiation News, 2003, 16, 21-33.	0.2	1
100	Application of charge density methods to a protein model compound: Calculation of Coulombic intermolecular interaction energies from the experimental charge density. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12132-12137.	3.3	21
101	The First Photocrystallographic Evidence for Light-Induced Metastable Linkage Isomers of Ruthenium Sulfur Dioxide Complexes. Journal of the American Chemical Society, 2002, 124, 9241-9248.	6.6	116
102	Synthesis and Structure of Multicomponent Crystals of Fullerenes and Metal Tetraarylporphyrins. Inorganic Chemistry, 2002, 41, 3638-3646.	1.9	84
103	Crystal engineering, solid state spectroscopy and time-resolved diffraction. CrystEngComm, 2002, 4, 302-309.	1.3	32
104	Structural Variation and Supramolecular Isomerism in the C-Methylcalix[4]resorcinarene/Bipyridine System. Crystal Growth and Design, 2002, 2, 7-13.	1.4	48
105	Photoinduced Linkage Isomers of Transition-Metal Nitrosyl Compounds and Related Complexes. Chemical Reviews, 2002, 102, 861-884.	23.0	411
106	Excited-state structure by time-resolved X-ray diffraction. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, 133-137.	0.3	166
107	Aspherical-atom scattering factors from molecular wave functions. 1. Transferability and conformation dependence of atomic electron densities of peptides within the multipole formalism. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, 464-472.	0.3	112
108	Chemical Applications of X-ray Charge-Density Analysis. Chemical Reviews, 2001, 101, 1583-1628.	23.0	677

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109	Multiple Structures in Supramolecular Solids: Benzophenone Embedded in Three Different C-Methylcalix[4]resorcinarene/bipyridine Frameworks. <i>Crystal Growth and Design</i> , 2001, 1, 271-275.	1.4	47
110	The chair conformation of C-methylcalix[4]resorcinarene in a novel, stepped, supramolecular framework. <i>CrystEngComm</i> , 2001, 3, 78.	1.3	13
111	A modified Pinkerton-type helium gas-flow system for high-accuracy data collection at the X3 SUNY synchrotron beamline at NSLS. <i>Journal of Applied Crystallography</i> , 2001, 34, 76-79.	1.9	30
112	Density-optimized radial exponents for X-ray charge-density refinement from ab initio crystal calculations. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2001, 57, 272-282.	0.3	104
113	Critical examination of the radial functions in the Hansen-Coppens multipole model through topological analysis of primary and refined theoretical densities. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2001, 57, 395-405.	0.3	84
114	Evaluation of net atomic charges and atomic and molecular electrostatic moments through topological analysis of the experimental charge density. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 252-258.	0.3	170
115	On the origin of topological differences between experimental and theoretical crystal charge densities. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 332-339.	0.3	157
116	Instrumentation for photocrystallographic experiments of transient species. <i>Journal of Synchrotron Radiation</i> , 2000, 7, 229-235.	1.0	30
117	Photo-Induced Linkage Isomerism of Transition Metal Nitrosyl and Dinitrogen Complexes Studied by Photocrystallographic Techniques. <i>Tetrahedron</i> , 2000, 56, 6813-6820.	1.0	51
118	Experimental, Hartree-Fock, and Density Functional Theory Investigations of the Charge Density, Dipole Moment, Electrostatic Potential, and Electric Field Gradients in L-Asparagine Monohydrate. <i>Journal of the American Chemical Society</i> , 2000, 122, 4708-4717.	6.6	65
119	On the Photochemical Behavior of the [Ru(NH ₃) ₄ (NO)nicotinamide] ³⁺ Cation and the Relative Stability of Light-Induced Metastable Isonitrosyl Isomers of Ru Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 5791-5795.	1.9	38
120	Does C-methylcalix[4]resorcinarene always adopt the crown shape conformation? A resorcinarene/bipyridine/decamethylruthenocene supramolecular clathrate with a novel framework structure. <i>Chemical Communications</i> , 2000, , 2299-2300.	2.2	41
121	The First Crystallographic Evidence for Side-On Coordination of N ₂ to a Single Metal Center in a Photoinduced Metastable State. <i>Journal of the American Chemical Society</i> , 2000, 122, 532-533.	6.6	92
122	First Observation of Photoinduced Nitrosyl Linkage Isomers of Iron Nitrosyl Porphyrins. <i>Journal of the American Chemical Society</i> , 2000, 122, 7142-7143.	6.6	75
123	Use of X-ray Charge Densities in the Calculation of Intermolecular Interactions and Lattice Energies: Application to Glycylglycine, dl-Histidine, and dl-Proline and Comparison with Theory. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2183-2188.	1.2	57
124	X-ray charge density study of p-amino- <i>p</i> -nitrobiphenyl at 20 K using a CCD area detector and synchrotron radiation: a very large dipole moment enhancement in the solid state. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 1007-1015.	1.0	15
125	Experimental Charge Densities and Intermolecular Interactions: Electrostatic and Topological Analysis of dl-Histidine. <i>Journal of the American Chemical Society</i> , 1999, 121, 2585-2593.	6.6	104
126	Photo-induced metastable linkage isomers of ruthenium nitrosyl porphyrins. <i>Chemical Communications</i> , 1999, , 2013-2014.	2.2	50

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127	The change in the X-ray dipole moment as a quantitative measure of the polarizing effect of the molecular environment: application to a complex of p-amino-pâ€²-nitrobiphenyl with triphenylphosphine oxide. <i>Chemical Communications</i> , 1999, , 2425-2426.	2.2	7
128	Light-Induced Metastable Linkage Isomers of Transition Metal Nitrosyls. <i>Comments on Inorganic Chemistry</i> , 1999, 21, 131-148.	3.0	19
129	Combined X-ray Diffraction and Density Functional Study of [Ni(NO)(Î-5-Cp*)] in the Ground and Light-Induced Metastable States. <i>Inorganic Chemistry</i> , 1998, 37, 1519-1526.	1.9	87
130	Crystallography of molecular excited states. Transition-metal nitrosyl complexes and the study of transient species. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 865-872.	1.1	99
131	Time-resolved diffraction in chemistry and materials science: The developing field of photocrystallography. <i>Synchrotron Radiation News</i> , 1997, 10, 26-30.	0.2	19
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133	X-ray Diffraction Analysis of Geometry Changes upon Excitation:Â The Ground-State and Metastable-State Structures of K ₂ [Ru(NO ₂) ₄ (OH)(NO)]. <i>Inorganic Chemistry</i> , 1996, 35, 7021-7026.	1.9	78
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