Jacob Overgaard

List of Publications by Year
in descending order

169 papers	5,714 citations	70961 41 h-index	95083 68 g-index
205 all docs	205 docs citations	205 times ranked	5847 citing authors

#	Article	IF	Citations
1	Pronounced Magnetic Bistability in Highly Cooperative Mononuclear [Fe(L^{npdtz})₂(NCX)₂] Complexes. Inorganic Chemistry, 2022, 61, 3141-3151.	1.9	9
2	An experimental and theoretical charge density study of theophylline and malonic acid cocrystallization. RSC Advances, 2022, 12, 15670-15684.	1.7	5
3	Catalytic Enantioselective Entry to Triflones Featuring a Quaternary Stereocenter. Organic Letters, 2022, 24, 4371-4376.	2.4	6
4	Exploring the Solubility of the Carbamazepineâ€“Saccharin Cocrystal: A Charge Density Study. Crystal Growth and Design, 2021, 21, 4259-4275.	1.4	8
5	Magnetic anisotropies of Ho(<scp>iii</scp>) and Dy(<scp>iii</scp>) single-molecule magnets experimentally determined via polarized neutron diffraction. Dalton Transactions, 2021, 50, 14207-14215.	1.6	2
6	Diastereoselective Synthesis of Functionalized 5â€Aminoâ€3,4â€Dihydroâ€2Hâ€Pyrroleâ€2â€Carboxylic Acid Esters: Oneâ€Pot Approach Using Commercially Available Compounds and Benign Solvents. Chemistry - A European Journal, 2021, 27, 4573-4577.	1.7	3
7	Structure-property correlation in stabilizing axial magnetic anisotropy in octahedral Co(II) complexes. Cell Reports Physical Science, 2021, 2, 100404.	2.8	23
8	The Quest for Optimal 3â€‰d Orbital Splitting in Tetrahedral Cobalt Singleâ€Molecule Magnets Featuring Colossal Anisotropy and Hysteresis. European Journal of Inorganic Chemistry, 2021, 2021, 3108-3114.	1.0	13
9	Quantifying magnetic anisotropy using X-ray and neutron diffraction. IUCrJ, 2021, 8, 833-841.	1.0	2
10	Observation of the asphericity of 4f-electron density and its relation to the magnetic anisotropy axis in single-molecule magnets. Nature Chemistry, 2020, 12, 213-219.	6.6	50
11	High-Pressure Crystallographic and Magnetic Studies of Pseudo-D_{5h} Symmetric Dy(III) and Ho(III) Single-Molecule Magnets. Inorganic Chemistry, 2020, 59, 717-729.	1.9	38
12	Influence of anion induced geometry change in Zn(<scp>ii</scp>) on the magnetization relaxation dynamics of Dy(<scp>iii</scp>) in Znâ€“Dyâ€“Zn complexes. Dalton Transactions, 2020, 49, 10580-10593.	1.6	5
13	Experimental Charge Densities from Multipole Modeling: Moving into the Twenty-First Century. Structure and Bonding, 2020, , 145-182.	1.0	3
14	Quantification of the Magnetic Anisotropy of a Singleâ€Molecule Magnet from the Experimental Electron Density. Angewandte Chemie, 2020, 132, 21389-21395.	1.6	2
15	Quantification of the Magnetic Anisotropy of a Singleâ€Molecule Magnet from the Experimental Electron Density. Angewandte Chemie - International Edition, 2020, 59, 21203-21209.	7.2	11
16	Investigating Complex Magnetic Anisotropy in a Co(II) Molecular Compound: A Charge Density and Correlated Ab Initio Electronic Structure Study. Inorganic Chemistry, 2020, 59, 13190-13200.	1.9	12
17	Accurate high-resolution single-crystal diffraction data from a Pilatus3â€…X CdTe detector. Journal of Applied Crystallography, 2020, 53, 635-649.	1.9	28
18	High-Pressure Crystallography as a Guide in the Design of Single-Molecule Magnets. Inorganic Chemistry, 2020, 59, 1682-1691.	1.9	14

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19	Single-Crystal High-Pressure X-ray Diffraction Study of Host Structure Compression in Clathrates of Dianinâ€™s Compound. Crystal Growth and Design, 2020, 20, 4092-4099.	1.4	5
20	Chemical Bonding in Colossal Thermopower FeSb₂. Chemistry - A European Journal, 2020, 26, 8651-8662.	1.7	6
21	Direct Î±-Imination of N-Acyl Pyrazoles with Nitrosoarenes. Organic Letters, 2019, 21, 5305-5309.	2.4	7
22	Lowâ€Barrier Hydrogen Bonds in Negative Thermal Expansion Material H₃[Co(CN)₆]. Chemistry - A European Journal, 2019, 25, 6814-6822.	1.7	14
23	Molten metal closo-borate solvates. Chemical Communications, 2019, 55, 3410-3413.	2.2	12
24	Measurement of Electric Fields Experienced by Urea Guest Molecules in the 18-Crown-6/Urea (1:5) Hostâ€“Guest Complex: An Experimental Reference Point for Electric-Field-Assisted Catalysis. Journal of the American Chemical Society, 2019, 141, 3965-3976.	6.6	35
25	Insights into Single-Molecule-Magnet Behavior from the Experimental Electron Density of Linear Two-Coordinate Iron Complexes. Inorganic Chemistry, 2019, 58, 3211-3218.	1.9	28
26	Accessing the rich carbon nitride materials chemistry by heat treatments of ammonium thiocyanate, NH₄SCN. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 621-633.	0.5	2
27	Experimental X-ray Electron Density Study of Atomic Charges, Oxidation States, and Inverted Ligand Field in Cu(CF₃)₄^{â€“}. Inorganic Chemistry, 2019, 58, 2133-2139.	1.9	28
28	Exploring the Binding of Barbital to a Synthetic Macrocyclic Receptor. A Charge Density Study. Journal of Physical Chemistry A, 2018, 122, 3031-3044.	1.1	3
29	X-ray electron density investigation of chemical bonding in van der Waals materials. Nature Materials, 2018, 17, 249-252.	13.3	93
30	Probing Cyclic Ï€â€Electron Delocalization in an Imidazolâ€2â€ylidene and a Corresponding Imidazolium Salt. Chemistry - A European Journal, 2018, 24, 4973-4981.	1.7	8
31	Using Electron Density to Predict Synthon Formation in a 4-Hydroxybenzoic Acid: 4,4â€²-Bipyridine Cocrystal. Crystal Growth and Design, 2018, 18, 1786-1798.	1.4	20
32	Probing the accuracy and precision of Hirshfeld atom refinement with HARt interfaced with Olex2. IUCrJ, 2018, 5, 32-44.	1.0	74
33	Organocatalyzed Decarboxylative Trichloromethylation of Moritaâ€“Baylisâ€“Hillman Adducts in Batch and Continuous Flow. Chemistry - A European Journal, 2018, 24, 1204-1208.	1.7	6
34	Mapping the Magnetic Anisotropy at the Atomic Scale in Dysprosium Single-Molecule Magnets. Chemistry - A European Journal, 2018, 24, 16456-16456.	1.7	1
35	A linear cobalt(II) complex with maximal orbital angular momentum from a non-Aufbau ground state. Science, 2018, 362, .	6.0	254
36	Monoclinic Paracetamol vs. Paracetamol-4,4â€²-Bipyridine Co-Crystal; What Is the Difference? A Charge Density Study. Crystals, 2018, 8, 46.	1.0	6

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37	Mapping the Magnetic Anisotropy at the Atomic Scale in Dysprosium Singleâ€Molecule Magnets. Chemistry - A European Journal, 2018, 24, 16576-16581.	1.7	18
38	Determination of d-Orbital Populations in a Cobalt(II) Single-Molecule Magnet Using Single-Crystal X-ray Diffraction. Inorganic Chemistry, 2018, 57, 6913-6920.	1.9	22
39	Evidence for Single-Electron Pathways in the Reaction between Palladium(II) Dialkyl Complexes and Alkyl Bromides under Thermal and Photoinduced Conditions. Organometallics, 2017, 36, 2058-2066.	1.1	17
40	Amine Thiourea Catalysed Double Michael Reaction: An Approach for the Asymmetric Synthesis of Spiro[pyrazolone-4,3â€²-tetrahydrothiophenes]. Synthesis, 2017, 49, 1509-1518.	1.2	15
41	Tunable Cinchonaâ€Based Thioureasâ€Catalysed Asymmetric Epoxidation to Synthetically Important Glycidic Ester Derivatives. Advanced Synthesis and Catalysis, 2017, 359, 913-918.	2.1	20
42	Intermolecular Interaction Energies in Hydroquinone Clathrates at High Pressure. Crystal Growth and Design, 2017, 17, 3834-3846.	1.4	21
43	Crystal structure across the Î² to Î± phase transition in thermoelectric Cu_{2â^’x}Se. IUCrJ, 2017, 4, 476-485.	1.0	65
44	Variable-temperature structural studies on valence tautomerism in cobalt bis(dioxolene) molecular complexes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 304-312.	0.5	4
45	Efficient Water Reduction with sp³â€sp³ Diboron(4) Compounds: Application to Hydrogenations, Hâ€“D Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie - International Edition, 2017, 56, 15910-15915.	7.2	54
46	Diastereodivergent and Enantioselective Access to Spiroepoxides via Organocatalytic Epoxidation of Unsaturated Pyrazolones. Organic Letters, 2017, 19, 5030-5033.	2.4	42
47	Efficient Water Reduction with sp³â€sp³ Diboron(4) Compounds: Application to Hydrogenations, Hâ€“D Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie, 2017, 129, 16126-16131.	1.6	15
48	Charge-density study of van der Waals layered MoS₂ and TiS₂. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1390-C1390.	0.0	0
49	Charge density and magnetic anisotropy of Dy-based single-molecule magnet. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1365-C1365.	0.0	0
50	Anisotropic compressibility of the coordination polymer emim[Mn(btc)]. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 389-394.	0.5	8
51	A Concise Route to the Strongylophorines. Angewandte Chemie, 2016, 128, 8434-8438.	1.6	4
52	Xâ€Ray Diffraction and MÃ¶ssbauer Spectroscopy Studies of Pressureâ€Induced Phase Transitions in a Mixedâ€Valence Trinuclear Iron Complex. Chemistry - A European Journal, 2016, 22, 9616-9623.	1.7	4
53	A Concise Route to the Strongylophorines. Angewandte Chemie - International Edition, 2016, 55, 8294-8298.	7.2	20
54	Structural Collapse of the Hydroquinoneâ€“Formic Acid Clathrate: Aâ€…Pressureâ€Mediumâ€Dependent Phase Transition. Chemistry - A European Journal, 2016, 22, 4061-4069.	1.7	18

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55	Electron Density Analysis of the â€œOâ€“Oâ€•Charge-Shift Bonding in Rubrene Endoperoxide. Journal of Physical Chemistry A, 2016, 120, 7510-7518.	1.1	12
56	A comparison of the experimental and theoretical charge density distributions in two polymorphic modifications of piroxicam. Physical Chemistry Chemical Physics, 2016, 18, 28802-28818.	1.3	15
57	An analysis of the experimental and theoretical charge density distributions of the piroxicamâ€“saccharin co-crystal and its constituents. RSC Advances, 2016, 6, 81578-81590.	1.7	18
58	Magnetism and variable temperature and pressure crystal structures of a linear oligonuclear cobalt bis-semiquinonate. Dalton Transactions, 2016, 45, 12924-12932.	1.6	5
59	Expanding the usage of the Source Function to experimental electron densities. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 169-170.	0.5	2
60	Elucidating the magnetic behaviour of a unique linear Fe(I)-complex using the electron density. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s90-s91.	0.0	0
61	Quantifying intermolecular interaction energies in organic clathrates at high pressure. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s347-s347.	0.0	0
62	Electron density of a layered transition metal dichalcogenide. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s85-s85.	0.0	0
63	Pressure-induced structural collapse of the hydroquinoneâ€“formic acid clathrate; a pressure-medium dependent non-linear optical phase transition. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s361-s361.	0.0	0
64	Chemical Bonding and Electronic Localization in a Ga^I Amide. Chemistry - A European Journal, 2015, 21, 14460-14470.	1.7	5
65	Does the thermal evolution of molecular structures critically affect the magnetic anisotropy?. Chemical Science, 2015, 6, 4587-4593.	3.7	61
66	High pressure induced charge transfer in 3dâ€“4f bimetallic photomagnetic materials. Chemical Communications, 2015, 51, 8868-8871.	2.2	13
67	Expanding the structural versatility of thiostannate(<scp>iv</scp>) complexes. CrystEngComm, 2015, 17, 2413-2420.	1.3	15
68	Quantitative analysis of intermolecular interactions in orthorhombic rubrene. IUCrJ, 2015, 2, 563-574.	1.0	206
69	Accurate atomic displacement parameters from time-of-flight neutron-diffraction data at TOPAZ. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, 679-681.	0.0	12
70	Contemporary X-ray electron-density studies using synchrotron radiation. IUCrJ, 2014, 1, 267-280.	1.0	34
71	Metal distribution and disorder in the crystal structure of [NH₂Et₂][Cr₇MF₈(^tBuCO₂)₁₆ wheel molecules forM= Mn, Fe, Co, Ni, Cu, Zn and Cd. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 932-941.	0.5	8
72	Chemical Bonding in a Linear Chromium Metal String Complex. Inorganic Chemistry, 2014, 53, 12489-12498.	1.9	21

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73	A structural study of a three-membered linear metal chain compound at elevated pressure. Dalton Transactions, 2014, 43, 1313-1320.	1.6	10
74	Relationships between Electron Density and Magnetic Properties in Water-Bridged Dimetal Complexes. Inorganic Chemistry, 2014, 53, 11531-11539.	1.9	8
75	Atomic properties and chemical bonding in the pyrite and marcasite polymorphs of FeS₂: a combined experimental and theoretical electron density study. Chemical Science, 2014, 5, 1408-1421.	3.7	65
76	Alkali Metal Ion Templated Transition Metal Formate Framework Materials: Synthesis, Crystal Structures, Ion Migration, and Magnetism. Inorganic Chemistry, 2014, 53, 10178-10188.	1.9	30
77	(NH₄)₄Sn₂S₆Â·3H₂O: Crystal Structure, Thermal Decomposition, and Precursor for Textured Thin Film. Chemistry of Materials, 2014, 26, 4494-4504.	3.2	19
78	Host Perturbation in a Î²â€Hydroquinone Clathrate Studied by Combined Xâ€ray/Neutron Chargeâ€Density Analysis: Implications for Molecular Inclusion in Supramolecular Entities. Chemistry - A European Journal, 2014, 20, 8089-8098.	1.7	10
79	Anisotropic thermal expansion in a metalâ€“organic framework. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 595-601.	0.5	6
80	Access to 1,2â€Dihydroisoquinolines through Goldâ€Catalyzed Formal [4+2] Cycloaddition. Chemistry - A European Journal, 2014, 20, 7926-7930.	1.7	42
81	Nonâ€Nuclear Attractor in a Molecular Compound under External Pressure. European Journal of Inorganic Chemistry, 2014, 2014, 5536-5540.	1.0	20
82	Material Design Inputs from Charge Density Analysis in Organic Semiconductors. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1552-C1552.	0.0	0
83	Highâ€pressure Singleâ€crystal Xâ€ray Diffraction Study of the Photomagnetic Switching Complex â€” [Y(DMF)4(H2O)3(Î¼â€CN)Fe(CN)5]Â·H2O. Journal of the Chinese Chemical Society, 2013, 60, 929-934.	0.8	6
84	Experimental and Theoretical Charge Densities of a Zinc-Containing Coordination Polymer, Zn(HCOO)₂(H₂O)₂. Inorganic Chemistry, 2013, 52, 297-305.	1.9	24
85	Pushing Xâ€ray Electron Densities to the Limit: Thermoelectric CoSb₃. Angewandte Chemie - International Edition, 2013, 52, 1503-1506.	7.2	30
86	Pressure versus Temperature Effects on Intramolecular Electron Transfer in Mixedâ€Valence Complexes. Chemistry - A European Journal, 2013, 19, 195-205.	1.7	13
87	Comparative study of X-ray charge-density data on CoSb₃. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 570-582.	0.3	36
88	Experimental Electron Density Studies of Inorganic Materials. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1922-1932.	0.6	24
89	Electron Localisation in Gaâ€Heterocyclic Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1979-1984.	0.6	4
90	Synthesis and Structural Investigation of Zr(BH₄)₄. Journal of Physical Chemistry C, 2012, 116, 20239-20245.	1.5	43

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91	On the significance of Bragg reflections. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 301-303.	0.3	16
92	Testing the Concept of Hypervalency: Charge Density Analysis of K₂SO₄. Inorganic Chemistry, 2012, 51, 8607-8616.	1.9	93
93	Glucose-assisted continuous flow synthesis of Bi2Te3 nanoparticles in supercritical/near-critical water. Journal of Supercritical Fluids, 2012, 67, 84-88.	1.6	15
94	Temperature-dependent crystal structure of the isopropanol clathrate of Dianin's compound. Chemical Communications, 2011, 47, 2029.	2.2	9
95	Experimental Charge Density Analysis of a Gallium(I) N-Heterocyclic Carbene Analogue. Inorganic Chemistry, 2011, 50, 8418-8426.	1.9	33
96	First Experimental Characterization of a Non-nuclear Attractor in a Dimeric Magnesium(I) Compound. Journal of Physical Chemistry A, 2011, 115, 194-200.	1.1	106
97	A photo-induced excited state structure of a hetero-bimetallic ionic pair complex, Nd(DMA)4(H2O)4Fe(CN)6Â·3H2O, analyzed by single crystal X-ray diffraction. Chemical Communications, 2011, 47, 9486.	2.2	9
98	Charge Density in Materials and Energy Science. , 2011, , 469-504.		0
99	Intermolecular Interactions and Electrostatic Properties of the Î²-Hydroquinone Apohost: Implications for Supramolecular Chemistry. Journal of Physical Chemistry A, 2011, 115, 12962-12972.	1.1	21
100	Analysis of the Photomagnetic Properties of Cyano-Bridged Heterobimetallic Complexes by X-Ray Diffraction. Inorganic Chemistry, 2011, 50, 10974-10984.	1.9	19
101	Enamineâ€Mediated Addition of Aldehydes to Cyclic Enones. Advanced Synthesis and Catalysis, 2011, 353, 2648-2652.	2.1	13
102	Crystal Structures and Physical Properties of Three New Manganeseâ€Based Coordination Polymers withpâ€Biphenyldicarboxylic Acid Linkers. European Journal of Inorganic Chemistry, 2011, 2011, 549-555.	1.0	6
103	Practical Synthesis of Î²â€Carbonyl Phenyltetrazolesulfones and Investigations of Their Reactivities in Organocatalysis. European Journal of Organic Chemistry, 2011, 2011, 47-52.	1.2	31
104	Taking Advantage of the Ambivalent Reactivity of Ynamides in Gold Catalysis: A Rare Case of Alkyne Dimerization. Angewandte Chemie - International Edition, 2011, 50, 5090-5094.	7.2	105
105	trans-Dibromidobis(1-ethyl-3-methylimidazol-2-ylidene)palladium(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1205-m1205.	0.2	1
106	In Situ Generated Bulky Palladium Hydride Complexes as Catalysts for the Efficient Isomerization of Olefins. Selective Transformation of Terminal Alkenes to 2-Alkenes. Journal of the American Chemical Society, 2010, 132, 7998-8009.	6.6	196
107	Photomagnetic Switching of Heterometallic Complexes [M(dmf)₄(H₂O)₃(Î¼â€CN)Fe(CN)₅]â‹…H₂O (M=Nd,) Tj ETQq1 1 0 Journal, 2010, 16, 7215-7223.	1.7	24
108	Multicomponent asymmetric reactions mediated by proline lithium salt. Organic and Biomolecular Chemistry, 2010, 8, 980.	1.5	26

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109	Synthesis, Crystal Structure, Atomic Hirshfeld Surfaces, and Physical Properties of Hexagonal CeMnNi₄. Inorganic Chemistry, 2010, 49, 9343-9349.	1.9	46
110	Charge Density Methods in Hydrogen Bond Studies. Structure and Bonding, 2010, , 53-74.	1.0	10
111	Characterization of a non-nuclear attractor in a dimeric magnesium(I) compound. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s93-s93.	0.3	0
112	Photomagnetic Switching of the Complex [Nd(dmf)₄(H₂O)₃(Î¼â€CN)Fe(CN)₅]â‹…H₂O Analyzed by Singleâ€Crystal Xâ€Ray Diffraction. Angewandte Chemie - International Edition, 2009, 48, 2780-2783.	7.2	32
113	Experimental and theoretical charge-density study of a tetranuclear cobalt carbonyl complex. Acta Crystallographica Section B: Structural Science, 2009, 65, 715-723.	1.8	20
114	Effects of Weak Intermolecular Interactions on the Molecular Isomerism of Tricobalt Metal Chains. Journal of the American Chemical Society, 2009, 131, 7580-7591.	6.6	29
115	Fast Preparation and Characterization of Quarternary Thermoelectric Clathrates. Chemistry of Materials, 2009, 21, 122-127.	3.2	27
116	Experimental Electron Density Study of the Mgâ‹¯Mg Bonding Character in a Magnesium(I) Dimer. Journal of the American Chemical Society, 2009, 131, 4208-4209.	6.6	63
117	Experimental charge density in an oxidized trinuclear iron complex using 15 K synchrotron and 100 K conventional single-crystal X-ray diffraction. Dalton Transactions, 2009, , 664-671.	1.6	10
118	Helium cryostat synchrotron charge densities determined using a large CCD detector â€“ the upgraded beamline D3 at DESY. Journal of Applied Crystallography, 2008, 41, 846-853.	1.9	21
119	Organocatalytic Asymmetric Synthesis of Versatile Î³â€Lactams. Angewandte Chemie - International Edition, 2008, 47, 4687-4690.	7.2	41
120	Organocatalytic Asymmetric Conjugate Addition to Allenic Esters and Ketones. Journal of the American Chemical Society, 2008, 130, 4897-4905.	6.6	101
121	Organocatalytic asymmetric vinylogous addition to quinones â€“ formation of optically active Î±-aryl ketones. Chemical Communications, 2008, , 632-634.	2.2	74
122	Synchrotron X-ray Charge Density Study of Coordination Polymer Co₃(C₈H₄O₄)₄(C₄H₁₂N)₂(C at 16 K. Journal of the American Chemical Society, 2008, 130, 7988-7996.	6.6	44
123	Experimental and Theoretical Charge Density Study of Chemical Bonding in a Co Dimer Complex. Journal of the American Chemical Society, 2008, 130, 3834-3843.	6.6	78
124	Tetrakis(Î¼-pivalato-Îº2O:Oâ€²)bis[(2-methylpyridine-ÎºN)iron(II)](Feâ€”Fe). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m497-m497.	0.2	5
125	Experimental electron density study of a complex between copper(ii) and the antibacterial quinolone family member ciprofloxacin. Dalton Transactions, 2007, , 2171.	1.6	27
126	Electronic Structure of the Alkyne-Bridged Dicobalt Hexacarbonyl Complex Co₂ Î¼-C₂H₂ (CO)₆:â€‰ Evidence for Singlet Diradical Character and Implications for Metalâ‹¯Metal Bonding. Inorganic Chemistry, 2007, 46, 6291-6298.	1.9	29

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127	Short Strong Hydrogen Bonds in 2-Acetyl-1,8-dihydroxy-3,6-dimethylnaphthalene:â€‰ An Outlier to Current Hydrogen Bonding Theory?. Journal of Physical Chemistry A, 2007, 111, 345-351.	1.1	34
128	Organocatalytic Asymmetric Direct Î±-Alkynylation of Cyclic Î²-Ketoesters. Journal of the American Chemical Society, 2007, 129, 441-449.	6.6	153
129	Experimental and Theoretical Charge Density Distribution in Two Ternary Cobalt(III) Complexes of Aromatic Amino Acids. Journal of Physical Chemistry A, 2007, 111, 10123-10133.	1.1	19
130	SmI2-Promoted Radical Addition Reactions with N-(2-Indolylacyl)oxazolidinones:â€‰ Synthesis of Bisindole Compounds. Journal of Organic Chemistry, 2007, 72, 4181-4188.	1.7	19
131	Organocatalytic asymmetric â€œanti-Michaelâ€•reaction of Î²-ketoesters. Chemical Communications, 2007, , 3921.	2.2	41
132	Synchrotron Xâ€Ray Chargeâ€Density Study of Coordination Polymer [Mn(HCOO)₂(H₂O)₂]_{âˆž}. Chemistry - A European Journal, 2007, 13, 9775-9790.	1.7	38
133	Asymmetric Organocatalytic Î±-Arylation of Aldehydes. Angewandte Chemie - International Edition, 2007, 46, 5520-5523.	7.2	174
134	Cover Picture: Organocatalytic Highly Enantioselective Î±-Arylation of Î²-Ketoesters / Asymmetric Organocatalytic Î±-Arylation of Aldehydes (Angew. Chem. Int. Ed. 29/2007). Angewandte Chemie - International Edition, 2007, 46, 5449-5449.	7.2	2
135	Crystal Structures of Thermoelectricn-andp-type Ba8Ga16Ge30Studied by Single Crystal, Multitemperature, Neutron Diffraction, Conventional X-ray Diffraction and Resonant Synchrotron X-ray Diffraction. Journal of the American Chemical Society, 2006, 128, 15657-15665.	6.6	167
136	Hexaaqua-1Îº3 O,3Îº3 O-tri-Î¼-cyano-1:2Îº2 N:C;2:3Îº2 C:N;3:4Îº2 N:C-nonacyano-2Îº4 C,4Îº5 C-pentakis(N,N-dimethylacetamide)-1Îº3 O,3Îº2 O-diiron(III)diytterbium(III) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m793-m795.	0.2	0
137	Triaquatetrakis(dimethylacetamide-ÎºO)gadolinium(III) hexacyanoferrate(III) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m989-m991.	0.2	3
138	An Eu-based metalâ€“organic framework: poly[[tris(Î¼4-benzene-1,4-dicarboxylato)bis(Î¼2-N,N-diethylformamide)dieuropium(III)] 0.7-hydrate]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m3333-m3335.	0.2	3
139	Non-Biaryl Atropisomers in Organocatalysis. Chemistry - A European Journal, 2006, 12, 6039-6052.	1.7	206
140	Studies of a Molecular Hourglass: Synthesis and Magnetic Characterisation of a Cyclic Dodecanuclear {Cr10Cu2} Complex. Chemistry - A European Journal, 2006, 12, 8267-8275.	1.7	20
141	A family of heterometallic wheels containing potentially fourteen hundred siblings. Chemical Communications, 2005, , 1125-1127.	2.2	59
142	Tetraaquatetrakis(dimethylacetamide-ÎºO)neodymium(III) hexacyanoferrate(III) trihydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m268-m270.	0.2	5
143	Bis(Î¼-diacetylacetonato)bis[pyridinecopper(II)]. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m922-m924.	0.2	3
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