

# Jacob Overgaard

## List of Publications by Year in descending order

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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	A linear cobalt(II) complex with maximal orbital angular momentum from a non-Aufbau ground state. <i>Science</i> , 2018, 362, .	6.0	254
2	Non-Biaryl Atropisomers in Organocatalysis. <i>Chemistry - A European Journal</i> , 2006, 12, 6039-6052.	1.7	206
3	Quantitative analysis of intermolecular interactions in orthorhombic rubrene. <i>IUCr</i> , 2015, 2, 563-574.	1.0	206
4	Synthesis and Characterization of Heterometallic{Cr7M} Wheels. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 101-105.	7.2	205
5	In Situ Generated Bulky Palladium Hydride Complexes as Catalysts for the Efficient Isomerization of Olefins. Selective Transformation of Terminal Alkenes to 2-Alkenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 7998-8009.	6.6	196
6	Asymmetric Organocatalytic $\hat{1}\pm$ -Arylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5520-5523.	7.2	174
7	Crystal Structures of Thermoelectricn-andp-type Ba8Ga16Ge30 Studied by Single Crystal, Multitemperature, Neutron Diffraction, Conventional X-ray Diffraction and Resonant Synchrotron X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 2006, 128, 15657-15665.	6.6	167
8	Organocatalytic Asymmetric Direct $\hat{1}\pm$ -Alkynylation of Cyclic $\hat{1}^2$ -Ketoesters. <i>Journal of the American Chemical Society</i> , 2007, 129, 441-449.	6.6	153
9	The Magnetic M $\hat{1}\pm$ bius Strip: Synthesis, Structure, and Magnetic Studies of Odd-Numbered Antiferromagnetically Coupled Wheels. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5196-5200.	7.2	120
10	First Experimental Characterization of a Non-nuclear Attractor in a Dimeric Magnesium(I) Compound. <i>Journal of Physical Chemistry A</i> , 2011, 115, 194-200.	1.1	106
11	Taking Advantage of the Ambivalent Reactivity of Ynamides in Gold Catalysis: A Rare Case of Alkyne Dimerization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5090-5094.	7.2	105
12	Organocatalytic Asymmetric Conjugate Addition to Allenic Esters and Ketones. <i>Journal of the American Chemical Society</i> , 2008, 130, 4897-4905.	6.6	101
13	Testing the Concept of Hypervalency: Charge Density Analysis of K <sub>2</sub> SO <sub>4</sub> . <i>Inorganic Chemistry</i> , 2012, 51, 8607-8616.	1.9	93
14	X-ray electron density investigation of chemical bonding in van der Waals materials. <i>Nature Materials</i> , 2018, 17, 249-252.	13.3	93
15	Experimental and Theoretical Charge Density Study of Chemical Bonding in a Co Dimer Complex. <i>Journal of the American Chemical Society</i> , 2008, 130, 3834-3843.	6.6	78
16	Organocatalytic asymmetric vinylogous addition to quinones $\hat{1}\pm$ formation of optically active $\hat{1}\pm$ -aryl ketones. <i>Chemical Communications</i> , 2008, , 632-634.	2.2	74
17	Probing the accuracy and precision of Hirshfeld atom refinement with <i>Olex2</i> interfaced with <i>HARt</i> . <i>IUCr</i> , 2018, 5, 32-44.	1.0	74
18	Multi-Temperature Crystallographic Studies of Mixed-Valence Polynuclear Complexes; Valence Trapping Process in the Trinuclear Oxo-Bridged Iron Compound, [Fe3O(O2CC(CH3)3)6(C5H5N)3]. <i>Journal of the American Chemical Society</i> , 2000, 122, 11370-11379.	6.6	73

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19	Horseshoes, Rings, and Distorted Rings: Studies of Cyclic Chromium-Fluoride Cages. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5978-5981.	7.2	72
20	The Charge Density Distribution in a Model Compound of the Catalytic Triad in Serine Proteases. <i>Chemistry - A European Journal</i> , 2001, 7, 3756-3767.	1.7	71
21	Electron Density Distributions of Redox Active Mixed Valence Carboxylate Bridged Trinuclear Iron Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 11088-11099.	6.6	66
22	Atomic properties and chemical bonding in the pyrite and marcasite polymorphs of FeS <sub>2</sub> : a combined experimental and theoretical electron density study. <i>Chemical Science</i> , 2014, 5, 1408-1421.	3.7	65
23	Crystal structure across the $\hat{I}^2$ to $\hat{I}\pm$ phase transition in thermoelectric Cu <sub>2</sub> Se. <i>IUCr</i> , 2017, 4, 476-485.	1.0	65
24	Host-Guest Chemistry of the Chromium-Wheel Complex [Cr <sub>8</sub> F <sub>8</sub> (tBuCO <sub>2</sub> ) <sub>16</sub> ]: Prediction of Inclusion Capabilities by Using an Electrostatic Potential Distribution Determined by Modeling Synchrotron X-ray Structure Factors at 16 K. <i>Chemistry - A European Journal</i> , 2002, 8, 2775.	1.7	63
25	Influencing the nuclearity and constitution of heterometallic rings via templates. <i>Chemical Communications</i> , 2005, , 3649.	2.2	63
26	Experimental Electron Density Study of the Mg <sup>+</sup> Mg Bonding Character in a Magnesium(I) Dimer. <i>Journal of the American Chemical Society</i> , 2009, 131, 4208-4209.	6.6	63
27	Strong N-H...O Hydrogen Bonding in a Model Compound of the Catalytic Triad in Serine Proteases. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1239-1242.	7.2	62
28	Does the thermal evolution of molecular structures critically affect the magnetic anisotropy?. <i>Chemical Science</i> , 2015, 6, 4587-4593.	3.7	61
29	A family of heterometallic wheels containing potentially fourteen hundred siblings. <i>Chemical Communications</i> , 2005, , 1125-1127.	2.2	59
30	Synthesis and Characterization of Heterometallic {Cr <sub>7</sub> M} Wheels. <i>Angewandte Chemie</i> , 2003, 115, 105-109.	1.6	54
31	Efficient Water Reduction with sp <sup>3</sup> -sp <sup>3</sup> Diboron(4) Compounds: Application to Hydrogenations, H/D Exchange Reactions, and Carbonyl Reductions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15910-15915.	7.2	54
32	The experimental electron density in polymorphs A and B of the anti-ulcer drug famotidine. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, 480-487.	0.3	52
33	Observation of the asphericity of 4f-electron density and its relation to the magnetic anisotropy axis in single-molecule magnets. <i>Nature Chemistry</i> , 2020, 12, 213-219.	6.6	50
34	Experimental and Theoretical Charge Density Study of the Neurotransmitter Taurine. <i>Chemistry - A European Journal</i> , 2003, 9, 1075-1084.	1.7	48
35	Experimental and Theoretical Charge Density Studies of Tetrafluorophthalonitrile and Tetrafluoroisophthalonitrile. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3663-3672.	1.2	48
36	Synthesis, Crystal Structure, Atomic Hirshfeld Surfaces, and Physical Properties of Hexagonal CeMnNi <sub>4</sub> . <i>Inorganic Chemistry</i> , 2010, 49, 9343-9349.	1.9	46

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37	Synchrotron X-ray Charge Density Study of Coordination Polymer $\text{Co}_3(\text{C}_8\text{H}_4\text{O}_4)_4(\text{C}_4\text{H}_{12}\text{N}_2)_4$ at 16 K. <i>Journal of the American Chemical Society</i> , 2008, 130, 7988-7996.	1.5	24
38	Synthesis and Structural Investigation of $\text{Zr}(\text{BH}_4)_4$ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 20239-20245.	1.5	43
39	Access to 1,2-Dihydroisoquinolines through Gold-Catalyzed Formal [4+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2014, 20, 7926-7930.	1.7	42
40	Diastereodivergent and Enantioselective Access to Spiroepoxides via Organocatalytic Epoxidation of Unsaturated Pyrazolones. <i>Organic Letters</i> , 2017, 19, 5030-5033.	2.4	42
41	Organocatalytic asymmetric anti-Michael-reaction of $\hat{1}^2$ -ketoesters. <i>Chemical Communications</i> , 2007, , 3921.	2.2	41
42	Organocatalytic Asymmetric Synthesis of Versatile $\hat{1}^3$ -Lactams. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4687-4690.	7.2	41
43	Synchrotron X-ray Charge Density Study of Coordination Polymer $[\text{Mn}(\text{HCOO})_2(\text{H}_2\text{O})_2]_n$ . <i>Chemistry - A European Journal</i> , 2007, 13, 9775-9790.	1.7	38
44	High-Pressure Crystallographic and Magnetic Studies of Pseudo- $D_{5h}$ Symmetric Dy(III) and Ho(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 717-729.	1.9	38
45	Experimental and Theoretical Electron Density Distribution and Magnetic Properties of the Butterfly-like Complex $[\text{Fe}_4\text{O}_2(\text{O}_2\text{CCMe}_3)_8(\text{NC}_5\text{H}_4\text{Me})_2] \cdot 2\text{CH}_3\text{CN}$ . <i>Inorganic Chemistry</i> , 2003, 42, 7593-7601.	1.9	37
46	X-ray Charge density analysis of the hydrogen bonding motif in 1-(2-hydroxy-5-nitrophenyl)ethanone. Electronic supplementary information (ESI) available: multipole population coefficients and pseudoatom parameterization. See <a href="http://www.rsc.org/suppdata/ob/b2/b211683a/">http://www.rsc.org/suppdata/ob/b2/b211683a/</a> . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1191-1198.	1.5	36
47	Comparative study of X-ray charge-density data on $\text{CoSb}_3$ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, 570-582.	0.3	36
48	Measurement of Electric Fields Experienced by Urea Guest Molecules in the 18-Crown-6/Urea (1:5) Host-Guest Complex: An Experimental Reference Point for Electric-Field-Assisted Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 3965-3976.	6.6	35
49	Short Strong Hydrogen Bonds in 2-Acetyl-1,8-dihydroxy-3,6-dimethylnaphthalene: An Outlier to Current Hydrogen Bonding Theory?. <i>Journal of Physical Chemistry A</i> , 2007, 111, 345-351.	1.1	34
50	Contemporary X-ray electron-density studies using synchrotron radiation. <i>IUCr</i> , 2014, 1, 267-280.	1.0	34
51	Experimental Charge Density Analysis of a Gallium(I) N-Heterocyclic Carbene Analogue. <i>Inorganic Chemistry</i> , 2011, 50, 8418-8426.	1.9	33
52	Photomagnetic Switching of the Complex $[\text{Nd}(\text{dmf})_4(\text{H}_2\text{O})_3(\hat{1}^4\text{CN})\text{Fe}(\text{CN})_5] \cdot \text{H}_2\text{O}$ Analyzed by Single-Crystal X-ray Diffraction. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2780-2783.	7.2	32
53	Practical Synthesis of $\hat{1}^2$ -Carbonyl Phenyltetrazolesulfones and Investigations of Their Reactivities in Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 47-52.	1.2	31
54	Pushing X-ray Electron Densities to the Limit: Thermoelectric $\text{CoSb}_3$ . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1503-1506.	7.2	30

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55	Alkali Metal Ion Templated Transition Metal Formate Framework Materials: Synthesis, Crystal Structures, Ion Migration, and Magnetism. <i>Inorganic Chemistry</i> , 2014, 53, 10178-10188.	1.9	30
56	Electronic Structure of the Alkyne-Bridged Dicobalt Hexacarbonyl Complex $\text{Co}_2(\mu_4\text{-C}_2\text{H}_2)(\text{CO})_6$ : Evidence for Singlet Diradical Character and Implications for Metal-Metal Bonding. <i>Inorganic Chemistry</i> , 2007, 46, 6291-6298.	1.9	29
57	Effects of Weak Intermolecular Interactions on the Molecular Isomerism of Tricobalt Metal Chains. <i>Journal of the American Chemical Society</i> , 2009, 131, 7580-7591.	6.6	29
58	Insights into Single-Molecule-Magnet Behavior from the Experimental Electron Density of Linear Two-Coordinate Iron Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3211-3218.	1.9	28
59	Experimental X-ray Electron Density Study of Atomic Charges, Oxidation States, and Inverted Ligand Field in $\text{Cu}(\text{CF}_3)_4$ . <i>Inorganic Chemistry</i> , 2019, 58, 2133-2139.	1.9	28
60	Accurate high-resolution single-crystal diffraction data from a Pilatus 3000 X CdTe detector. <i>Journal of Applied Crystallography</i> , 2020, 53, 635-649.	1.9	28
61	Experimental electron density study of a complex between copper(ii) and the antibacterial quinolone family member ciprofloxacin. <i>Dalton Transactions</i> , 2007, , 2171.	1.6	27
62	Fast Preparation and Characterization of Quarternary Thermoelectric Clathrates. <i>Chemistry of Materials</i> , 2009, 21, 122-127.	3.2	27
63	Multicomponent asymmetric reactions mediated by proline lithium salt. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 980.	1.5	26
64	Photomagnetic Switching of Heterometallic Complexes $[\text{M}(\text{dmf})_4(\text{H}_2\text{O})_3(\mu_4\text{-CN})\text{Fe}(\text{CN})_5] \cdot 2\text{H}_2\text{O}$ (M=Nd, Tj) <i>Journal of Applied Crystallography</i> , 2010, 16, 7215-7223.	1.7	24
65	Experimental and Theoretical Charge Densities of a Zinc-Containing Coordination Polymer, $\text{Zn}(\text{HCOO})_2(\text{H}_2\text{O})_2$ . <i>Inorganic Chemistry</i> , 2013, 52, 297-305.	1.9	24
66	Experimental Electron Density Studies of Inorganic Materials. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1922-1932.	0.6	24
67	Structure-property correlation in stabilizing axial magnetic anisotropy in octahedral Co(II) complexes. <i>Cell Reports Physical Science</i> , 2021, 2, 100404.	2.8	23
68	Determination of d-Orbital Populations in a Cobalt(II) Single-Molecule Magnet Using Single-Crystal X-ray Diffraction. <i>Inorganic Chemistry</i> , 2018, 57, 6913-6920.	1.9	22
69	Helium cryostat synchrotron charge densities determined using a large CCD detector at the upgraded beamline D3 at DESY. <i>Journal of Applied Crystallography</i> , 2008, 41, 846-853.	1.9	21
70	Intermolecular Interactions and Electrostatic Properties of the $\mu_2$ -Hydroquinone Apohost: Implications for Supramolecular Chemistry. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12962-12972.	1.1	21
71	Chemical Bonding in a Linear Chromium Metal String Complex. <i>Inorganic Chemistry</i> , 2014, 53, 12489-12498.	1.9	21
72	Intermolecular Interaction Energies in Hydroquinone Clathrates at High Pressure. <i>Crystal Growth and Design</i> , 2017, 17, 3834-3846.	1.4	21

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73	The electron density in flavones I. Baicalein. <i>New Journal of Chemistry</i> , 2003, 27, 1392-1398.	1.4	20
74	Experimental and theoretical charge distribution in (Z)-N-methyl-C-phenylnitrone. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1034-1040.	1.5	20
75	Studies of a Molecular Hourglass: Synthesis and Magnetic Characterisation of a Cyclic Dodecanuclear {Cr <sub>10</sub> Cu <sub>2</sub> } Complex. <i>Chemistry - A European Journal</i> , 2006, 12, 8267-8275.	1.7	20
76	Experimental and theoretical charge-density study of a tetranuclear cobalt carbonyl complex. <i>Acta Crystallographica Section B: Structural Science</i> , 2009, 65, 715-723.	1.8	20
77	Non- $\pi$ -Nuclear Attractor in a Molecular Compound under External Pressure. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5536-5540.	1.0	20
78	A Concise Route to the Stronglyphorines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8294-8298.	7.2	20
79	Tunable <i>Cinchona</i> -Based Thioureas-Catalysed Asymmetric Epoxidation to Synthetically Important Glycidic Ester Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 913-918.	2.1	20
80	Using Electron Density to Predict Synthron Formation in a 4-Hydroxybenzoic Acid: 4,4'-Bipyridine Cocrystal. <i>Crystal Growth and Design</i> , 2018, 18, 1786-1798.	1.4	20
81	Multi-temperature X-ray diffraction, Mössbauer spectroscopy and magnetic susceptibility studies of a solvated mixed-valence trinuclear iron formate, [Fe <sub>3</sub> O(HCO <sub>2</sub> ) <sub>6</sub> (NC <sub>5</sub> H <sub>4</sub> CH <sub>3</sub> ) <sub>3</sub> ]·1.3(NC <sub>5</sub> H <sub>4</sub> CH <sub>3</sub> ). <i>Dalton Transactions RSC</i> , 2002, , 2981.	2.3	19
82	Experimental and Theoretical Charge Density Distribution in Two Ternary Cobalt(III) Complexes of Aromatic Amino Acids. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10123-10133.	1.1	19
83	SmI <sub>2</sub> -Promoted Radical Addition Reactions with N-(2-Indolylacetyl)oxazolidinones: Synthesis of Bisindole Compounds. <i>Journal of Organic Chemistry</i> , 2007, 72, 4181-4188.	1.7	19
84	Analysis of the Photomagnetic Properties of Cyano-Bridged Heterobimetallic Complexes by X-Ray Diffraction. <i>Inorganic Chemistry</i> , 2011, 50, 10974-10984.	1.9	19
85	(NH <sub>4</sub> ) <sub>4</sub> Sn <sub>2</sub> S <sub>6</sub> ·3H <sub>2</sub> O: Crystal Structure, Thermal Decomposition, and Precursor for Textured Thin Film. <i>Chemistry of Materials</i> , 2014, 26, 4494-4504.	3.2	19
86	Structural Collapse of the Hydroquinone-Formic Acid Clathrate: A Pressure-Medium-Dependent Phase Transition. <i>Chemistry - A European Journal</i> , 2016, 22, 4061-4069.	1.7	18
87	An analysis of the experimental and theoretical charge density distributions of the piroxicam-saccharin co-crystal and its constituents. <i>RSC Advances</i> , 2016, 6, 81578-81590.	1.7	18
88	Mapping the Magnetic Anisotropy at the Atomic Scale in Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2018, 24, 16576-16581.	1.7	18
89	Evidence for Single-Electron Pathways in the Reaction between Palladium(II) Dialkyl Complexes and Alkyl Bromides under Thermal and Photoinduced Conditions. <i>Organometallics</i> , 2017, 36, 2058-2066.	1.1	17
90	On the significance of Bragg reflections. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, 301-303.	0.3	16

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91	Glucose-assisted continuous flow synthesis of Bi <sub>2</sub> Te <sub>3</sub> nanoparticles in supercritical/near-critical water. <i>Journal of Supercritical Fluids</i> , 2012, 67, 84-88.	1.6	15
92	Expanding the structural versatility of thioannate complexes. <i>CrystEngComm</i> , 2015, 17, 2413-2420.	1.3	15
93	A comparison of the experimental and theoretical charge density distributions in two polymorphic modifications of piroxicam. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28802-28818.	1.3	15
94	Amine Thiourea Catalysed Double Michael Reaction: An Approach for the Asymmetric Synthesis of Spiro[pyrazolone-4,3-tetrahydrothiophenes]. <i>Synthesis</i> , 2017, 49, 1509-1518.	1.2	15
95	Efficient Water Reduction with sp <sup>3</sup> -Diboron(4) Compounds: Application to Hydrogenations, H/D Exchange Reactions, and Carbonyl Reductions. <i>Angewandte Chemie</i> , 2017, 129, 16126-16131.	1.6	15
96	Experimental charge density of a potential DHO synthetase inhibitor: dimethyl-trans-2-oxohexahydro-pyrimidine-4,6-dicarboxylate. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 441.	1.5	14
97	Low-Barrier Hydrogen Bonds in Negative Thermal Expansion Material H <sub>3</sub> [Co(CN) <sub>6</sub> ]. <i>Chemistry - A European Journal</i> , 2019, 25, 6814-6822.	1.7	14
98	High-Pressure Crystallography as a Guide in the Design of Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 1682-1691.	1.9	14
99	Flavone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o767-o768.	0.2	13
100	Enamine-Mediated Addition of Aldehydes to Cyclic Enones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2648-2652.	2.1	13
101	Pressure versus Temperature Effects on Intramolecular Electron Transfer in Mixed-Valence Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 195-205.	1.7	13
102	High pressure induced charge transfer in 3d-4f bimetallic photomagnetic materials. <i>Chemical Communications</i> , 2015, 51, 8868-8871.	2.2	13
103	The Quest for Optimal d Orbital Splitting in Tetrahedral Cobalt Single-Molecule Magnets Featuring Colossal Anisotropy and Hysteresis. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3108-3114.	1.0	13
104	Influence of Crystal Effects on Molecular Charge Densities in a Study of 9-Ethynyl-9-fluoreno. <i>Journal of Physical Chemistry A</i> , 2003, 107, 11201-11208.	1.1	12
105	Accurate atomic displacement parameters from time-of-flight neutron-diffraction data at TOPAZ. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 679-681.	0.0	12
106	Electron Density Analysis of the $\sigma$ -Charge-Shift Bonding in Rubrene Endoperoxide. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7510-7518.	1.1	12
107	Molten metal <i>i</i> -borate solvates. <i>Chemical Communications</i> , 2019, 55, 3410-3413.	2.2	12
108	Investigating Complex Magnetic Anisotropy in a Co(II) Molecular Compound: A Charge Density and Correlated Ab Initio Electronic Structure Study. <i>Inorganic Chemistry</i> , 2020, 59, 13190-13200.	1.9	12

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109	Quantification of the Magnetic Anisotropy of a Single-Molecule Magnet from the Experimental Electron Density. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21203-21209.	7.2	11
110	Experimental charge density in an oxidized trinuclear iron complex using 15 K synchrotron and 100 K conventional single-crystal X-ray diffraction. <i>Dalton Transactions</i> , 2009, , 664-671.	1.6	10
111	A structural study of a three-membered linear metal chain compound at elevated pressure. <i>Dalton Transactions</i> , 2014, 43, 1313-1320.	1.6	10
112	Host Perturbation in a $\text{H}_2\text{O}$ -Hydroquinone Clathrate Studied by Combined X-ray/Neutron Charge-Density Analysis: Implications for Molecular Inclusion in Supramolecular Entities. <i>Chemistry - A European Journal</i> , 2014, 20, 8089-8098.	1.7	10
113	Charge Density Methods in Hydrogen Bond Studies. <i>Structure and Bonding</i> , 2010, , 53-74.	1.0	10
114	Testing theory beyond molecular structure: Electron density distributions of complex molecules. <i>International Journal of Quantum Chemistry</i> , 2004, 96, 23-31.	1.0	9
115	Temperature-dependent crystal structure of the isopropanol clathrate of Dianin's compound. <i>Chemical Communications</i> , 2011, 47, 2029.	2.2	9
116	A photo-induced excited state structure of a hetero-bimetallic ionic pair complex, $\text{Nd}(\text{DMA})_4(\text{H}_2\text{O})_4\text{Fe}(\text{CN})_6 \cdot 3\text{H}_2\text{O}$ , analyzed by single crystal X-ray diffraction. <i>Chemical Communications</i> , 2011, 47, 9486.	2.2	9
117	Pronounced Magnetic Bistability in Highly Cooperative Mononuclear $[\text{Fe}(\text{L}^{\text{npdtz}})_2(\text{NCX})_2]$ Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 3141-3151.	1.9	9
118	Metal distribution and disorder in the crystal structure of $[\text{NH}_2\text{Et}]_2[\text{Cr}_7\text{M}_8\text{F}_8(\text{BuCO})_2]_{16}$ wheel molecules for $\text{M} = \text{Mn, Fe, Co, Ni, Cu, Zn}$ and $\text{Cd}$ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 932-941.	0.5	8
119	Relationships between Electron Density and Magnetic Properties in Water-Bridged Dimetal Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 11531-11539.	1.9	8
120	Anisotropic compressibility of the coordination polymer $\text{emim}[\text{Mn}(\text{btc})]$ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 389-394.	0.5	8
121	Probing Cyclic $\pi$ -Electron Delocalization in an Imidazolylidene and a Corresponding Imidazolium Salt. <i>Chemistry - A European Journal</i> , 2018, 24, 4973-4981.	1.7	8
122	Exploring the Solubility of the Carbamazepine-Saccharin Cocrystal: A Charge Density Study. <i>Crystal Growth and Design</i> , 2021, 21, 4259-4275.	1.4	8
123	Direct $\alpha$ -Imination of $N$ -Acyl Pyrazoles with Nitrosoarenes. <i>Organic Letters</i> , 2019, 21, 5305-5309.	2.4	7
124	Structural and Magnetic Investigations of the Mixed-Valence $\text{Fe}^{\text{I,III}}$ Two-Dimensional Layer Complex, $[\text{Fe}^{\text{II}}\text{Fe}^{\text{III}}(\text{HCOO})_{10}(\text{C}_6\text{H}_7\text{N})_6]_n$ . <i>ChemPhysChem</i> , 2004, 5, 1755-1761.	1.0	6
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